

**Volume**

**#**

**R0566**

R566

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

1

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF A

PORTION OF THE WEST BOUNDARY,

A RETRACEMENT OF A PORTION OF THE

SOUTH AND EAST BOUNDARIES

AND A

SURVEY OF A PORTION OF THE WEST BOUNDARY

AND SUBDIVISION OF

TOWNSHIP 40 SOUTH, RANGE 1 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

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Under special instructions dated August 28, 1958, which provided

for the surveys included under Group No. 425, approved September 10, 1958

and assignment instructions dated June 11, 1959

Survey commenced June 23, 1959

Survey completed July 28, 1959

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Township 40 South R. 1 West

Chains

A portion of the west boundary was surveyed by H. D. Heist in 1902. The south boundary or the Eighth Standard Parallel South was surveyed by Thoma and Johnston in 1918. The east boundary or the Salt Lake Principal Meridian was surveyed by R. C. Yundt in 1948. The north boundary was surveyed concurrently with the survey of this township and can be found in the field notes of T. 39 S., R. 1 W. and the field notes of T. 39 S., R. 2 W.

The following field notes are those of a dependent resurvey of a portion of the west boundary and a retracement of a portion of the south boundary and a portion of the east boundary, and a survey of a portion of the west boundary and subdivision of T. 40 S., R. 1 W., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. and L. E. Gurley solar transits Nos. 541331 and 540614, conforming to the standard specifications of the Bureau of Land Management. The transits were maintained in precise adjustment throughout the survey.

Before restoring the corners of the resurvey a search was made for any evidence of the corners and accessories called for in the original field note record. The recovered corners were then monumented. After completing the necessary retracements to connect the identified corner points, the rules of proportionate measurement were applied to ascertain the position of the lost corners. When no control was possible, the position of lost corners were located at record course and distance. Corners on east-west lines of the original survey completed at this time 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 these 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.

The measurements were made with a narrow steel tape, eight chains in length. The tape was graduated every link for the first chain and thereafter at 10 link intervals. The tape was 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 angles determined by a clinometer in good adjustment. The slope measurements were reduced to their horizontal equivalents, which appear in these field notes. All accessible lines were run by the direct method. The inaccessible lines were run by either traverse or triangulation method. The details of such traverses and triangulations were thoroughly verified and in order to simplify the record are omitted from these field notes. The distance to topography on the inaccessible lines are as scaled from U. S. G. S. topographic maps and aerial photographs.

All lines of this survey were carried forward by sustained angulation. The direction of all lines were determined by deflecting from meridians established by altitude observations on the sun or hour angle observations on Polaris, which were set up at a number of stations throughout the survey.

The geographic position for the southeast corner of the township is latitude  $37^{\circ} 16' 57''$  N. and longitude  $111^{\circ} 51' 03''$  W., as scaled from U. S. G. S.  $7\frac{1}{2}$  minute quadrangle "The Coxcomb SW." published in 1954.

The magnetic declination was read at a number of stations in the township and the average of the several readings was found to be  $15^{\circ} 30'$  East.

De endent Resurve of Portion of the West Boundar of T. 40 S. R. 1 W.

Chains Reestablishment of the survey executed by H. D. Heist in 1902. Beginning at the standard cor. of Tps. 40 S., Rs. 1 and 2 W., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

North, bet. secs. 31 and 36.

Over broken land, through scattered timber; asc. 30 ft. over S. slope.

4.50 Spur, slopes N. 80° W.; desc. 40 ft. over broken W. slope.

17.00 Spur, projects S. 70° W.; desc. 10 ft. over N. slope.

18.03 Begin triangulation; desc. over ledge about 30 ft. high, bears irregularly NE. and SW.; desc. about 40 ft. along broken W. slope.

24.50 Spur, slopes sharply N. 80° W.; desc. about 400 ft. over ledges on N. slope.

31.30 Wash, in bottom of canyon, 30 lks. wide, 3 ft. deep, drains W.; asc. about 400 ft. over ledges on S. slope.

39.50 N. rim of canyon, a ledge about 20 ft. high, bears N. 60° E. and S. 80° W.

40.00 Point for the 1/4 sec. cor. of secs. 31 and 36, at record course and dist. no evidence of the original cor. remains.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, in a mound of stone, 2 1/2 ft. base to top, with brass cap mkd.

T40S  
R2W R1W  
1/4  
S36 | S31  
1959

41.00 Spur, projects S. 80° W.; desc. 150 ft. over broken NW. slope.

53.80 Wash, 30 lks. wide, 10 ft. deep, drains W. 50 lks. to junction with wash from the N.; asc. 130 ft. over broken S. slope.

58.20 Spur, projects SW. 50 lks. to end; asc. 10 ft. over series of small spurs and drains putting SW.

80.00 Point for the cor. of secs. 25, 30, 31 and 36, at record course and dist.; no evidence of the original cor. remains.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, with brass cap mkd.

T40S  
R2W R1W  
S25 | S30  
S36 | S31  
1959

Deposit charcoal at base of iron post.

No other suitable accessories available.

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, scattered juniper and pinon.

North, bet. secs. 25 and 30.

Through scattered timber; asc. 180 ft. over SE. slope.

of Portion of West Boundary T. 40 S., R. 1 W.

Chains

- 15.50 Spur, projects S. 70° W.; asc. 20 ft. along broken W. slope.
- 36.60 Ridge, bears N. 10° W. and S. 20° E.; desc. 20 ft. along broken E. slope.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 30, at original course and dist.; no evidence of the original cor. remains.  
Set an iron post; 30 ins. long, 2½ ins. diam., 14 ins. in the ground, in a mound of stone, 2 ft. base to top, with brass cap mkd.

T40S  
R2W R1W  
 $\frac{1}{4}$   
S25|S30  
1959

Desc. 80 ft. along broken E. slope.

- 80.00 Point for the cor. of secs. 19, 24, 25 and 30, at original course and dist.; no evidence of the original cor. remains.  
Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T40S  
R2W R1W  
S24|S19  
S25|S30  
1959

Land, rolling and broken.  
Soil, sand and exposed sandstone.  
Timber, scattered juniper and pinon.

North, bet. secs. 19 and 24.

Through scattered timber; asc. 90 ft. along rolling E. slope.

- 15.00 Top of ascent, slopes sharply E.; desc. 80 ft. along broken E. slope.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 19 and 24, at original course and dist.; no evidence of the original cor. remains.  
Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.

T40S  
R2W R1W  
 $\frac{1}{4}$   
S24|S19  
1959

Desc. 90 ft. along rolling E. slope.

- 80.00 Point for the cor. of secs. 13, 18, 19 and 24, at original course and dist.; no evidence of the original cor. remains.  
Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

Chains

T40S  
R2W R1W  
S13 | S18  
S24 | S19  
1959

Deposit charcoal at base of iron post.

No other suitable accessories available.

Land, rolling.

Soil, sand and exposed sandstone.

Timber, scattered juniper and pinon.

Survey of a Portion of the West Boundary of T. 40 S., R. 1 W.

Beginning at the cor. of secs. 13, 18, 19 and 24.

North, bet. secs. 13 and 18.

Over rolling land, through scattered timber; asc. 10 ft. over S. slope.

4.50 Ridge, bears N. 60° W. and E.; desc. 90 ft. over N. slope.

13.00 Wash, 10 lks. wide, 1 ft. deep, heads about 5 chs. SE., drains N. 30° W.; asc. abruptly 200 ft. over ledges facing SW.

21.00 Top of sandstone pinnacle, about 30 ft. high; desc. 50 ft. over N. slope.

26.80 Recross ridge, bears N. 20° W. and S. 30° E.; cont. over E. slope.

32.00 Recross ridge, bears N. 80° E. and S. 80° W.; desc. 70 ft. over N. slope.

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 on sandstone surface, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T40S  
R2W R1W  
1/4  
S13 | S18  
1959

Asc. 30 ft. along W. slope.

50.40 Spur, slopes N. 30° W.; desc. 210 ft. over N. slope.

67.10 Wash, near head, drains N. 60° W.; asc. 120 ft. over broken W. slope.

78.80 Spur, slopes sharply N. 70° W.; desc. 30 ft. over N. slope.

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., 12 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T40S  
R2W R1W  
S12 | S 7  
S13 | S18  
1959

Survey of A. Hartigan father's West Boundary of T40S, R. 1 W.

Chains

Land, rolling and broken.  
Soil, sand and exposed sandstone.  
Timber, scattered juniper and pinon.

North, bet. secs. 7 and 12.

Through scattered timber; asc. 350 ft. over broken W. slope.

27.00 Top of ascent, slopes NW.; desc. 50 ft. over broken, ledgy W. slope.

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., over a cross (X) cut on solid sandstone, in a mound of stone,  $3\frac{1}{2}$  ft. base to top, with brass cap mkd.

T40S  
R2W R1W  
 $\frac{1}{4}$   
S12 | S 7  
1959

Desc. 10 ft. along W. slope.

44.30 High, narrow sandstone spur, slopes sharply N.  $30^\circ$  W.; desc. abruptly 270 ft. over N. slope.

52.70 Wash, 30 lks. wide, 3 ft. deep, drains N.  $70^\circ$  W.; about 5 chs., thence SW.; asc. abruptly 220 ft. over SW. slope.

65.70 Spur, slopes SW.; asc. 90 ft. along W. slope.

80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T40S  
R2W R1W  
S 1 | S 6  
S12 | S 7  
1959

Land, rolling and broken.  
Soil, sand and exposed sandstone.  
Timber, scattered juniper and pinon.

North, bet. secs. 1 and 6.

Through scattered timber; asc. 10 ft. along W. slope.

1.10 Ridge, bears N.  $20^\circ$  W. and S.  $20^\circ$  E.; asc. 30 ft. along rolling E. slope.

23.90 Base of abrupt ascent; bears N.  $30^\circ$  E. and S.  $30^\circ$  W.; asc. 40 ft. over SE. slope.

26.50 Top of E. edge of table top butte, about 2 chs. diam.; desc. 40 ft. over NE. slope.

27.50 Base of descent, bears N.  $60^\circ$  W. and SE.; asc. 70 ft. along rolling E. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 6.

Survey of a Portion of the West Boundary of T. 40 S., R. 1 W.

Chains

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

T40S  
R2W R1W  
 $\frac{1}{4}$   
S1 | S6  
1959

Deposit charcoal at base of iron post.

No other suitable accessories available.

Asc. 10 ft. along rolling E. slope.

62.30 S. edge of gulch, bears N.  $30^\circ$  W. and S.  $30^\circ$  E.; desc. abruptly 130 ft. over NE. slope.

67.60 Wash in bottom of gulch, 40 lks. wide, 3 ft. deep, drains S.  $30^\circ$  E.; asc. 150 ft. over SW. slope.

75.00 N. edge of gulch, bears N.  $20^\circ$  W. and S.  $20^\circ$  E.; asc. 20 ft. over rolling E. slope.

81.75 Intersect the S. bdy. of sec. 36, T. 39 S., R. 2 W.; point for the closing cor. of Tps. 40 S., Rs. 1 and 2 W.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T39S R2W  
S36  
S1 | S6  
T40S  
CC  
1959

From this point the  $\frac{1}{4}$  sec. cor. of sec. 36 bears E. 5.79 chs. dist., monumented by an iron post,  $2\frac{1}{2}$  ins. diam., set, mkd. and witnessed as described in the concurrent survey of T. 39 S., R. 2 W.

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, scattered juniper and pinon.

Retracement of a Portion of the Eighth Standard Parallel South through R. 1 W.

Beginning at the standard cor. of Tps. 40 and 41 S., Rs. 1 W. and 1 E., a 3 ins. iron post conforming to the record.

S.  $89^\circ 45'$  W. with retracement of the S. bdy. of sec. 36; topography being essentially the same courses and distances only are recorded in these notes.

Due to the inaccessibility of the terrain the standard  $\frac{1}{4}$  sec. cor. of sec. 36 was not located.

80.20 The standard cor. of secs. 1, 2, 35 and 36, a 2 ins. iron post conforming to the record.

West, along the S. bdy. of sec. 35.

39.94 The standard  $\frac{1}{4}$  sec. cor. of secs. 2 and 35, a 1 in. iron post, conforming to the record.

Retracement of a Portion of the Standard Parallel South R. 1 W.

Chains

- S. 89° 59' W., along the S. bdy. of sec. 35, beginning new measurement.
- 39.83 The standard cor. of secs. 2, 3, 34 and 35, a 2 ins. iron post, conforming to the record.
- 
- S. 89° 57' W., along the S. bdy. of sec. 34.
- 40.07 The standard  $\frac{1}{2}$  sec. cor. of secs. 3 and 34, a 1 in. iron post conforming to the record.
- 
- N. 89° 54' W., along the S. bdy. of sec. 34, beginning new measurement.
- 39.84 The standard cor. of secs. 3, 4, 33, and 34, a 2 ins. iron post conforming to the record.
- 
- S. 89° 59' W., along the S. bdy. of sec. 33.
- 39.94 The standard  $\frac{1}{2}$  sec. cor. of secs. 4 and 33, a 1 in. iron post conforming to the record.
- 
- West, along the S. bdy. of sec. 33, beginning new measurement
- 39.80 The standard cor. of secs. 4, 5, 32 and 33, an iron post, 3 ins. diam., conforming to the record.
- 
- S. 89° 39' W., along the S. bdy. of sec. 32.
- 40.24 The standard  $\frac{1}{2}$  sec. cor. of sec. 32, a 1 in. iron post, conforming to the record.
- 
- N. 89° 51' W., along the S. bdy. of sec. 32, beginning new measurement.
- 39.75 The witness cor. for the standard cor. of secs. 31 and 32, a 3 ins. iron post conforming to the record.
- 40.25 True point for the standard cor. of secs. 31 and 32.

Retracement of a Portion of the Salt Lake Meridian through T. 40 S.

- Beginning at the cor. of secs. 19, 24, 25 and 30, a 2 ins. iron post conforming to the official record.
- Retracement is for course and distance only; topography is essentially the same as recorded in the official record.
- North, bet. secs. 19 and 24.
- 38.35 The witness  $\frac{1}{2}$  sec. cor. of secs. 19 and 24, an iron post, 1 in. diam., conforming to the official record.

## Retracement of a Portion of the Salt Lake Meridian through T. 40 S.

Chains

Witness cor. as recorded in the field notes of the Salt Lake Meridian, surveyed by R. C. Yundt in 1948 as 1.59 chs. S.

78.96

The cor. of secs. 13, 18, 19 and 24, an iron post, 2 ins. diam., set, mkd. and witnessed as recorded in the official record.

The Salt Lake Meridian was retraced through secs. 13 and 18, secs. 7 and 12, secs. 1 and 6 and is found to be essentially the same for course, dist. and topography as officially recorded.

## Survey of a Portion of the Subdivision of T. 40 S., R. 1 W.

Beginning at the standard cor. of secs. 32 and 33, a 3 ins. iron post conforming to the record.

N. 0° 03' W., bet. secs. 32 and 33.

Over mountainous land; asc. 70 ft. over gentle S. slope through scattered juniper and pinon, moderate sage.

12.80

Top of ascent; desc. 50 ft. over N. slope.

21.20

S. side of canyon, unable to cont. chaining; thence by triangulation; topography estimated; desc. about 200 ft. over nearly vertical canyon wall facing N.

26.00

Bottom of box canyon, drains W.; asc. about 130 ft. over canyon wall and steep slope facing S.

33.00

Slope changes to rolling W.

40.00

End of triangulation; point for the  $\frac{1}{2}$  sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T40S R1W

$$\begin{array}{c} \frac{1}{2} \\ \hline S32 | S33 \\ 1959 \end{array}$$

Deposit charcoal in hole.

Asc. 30 ft. along rolling W. slope.

52.90

Spur, slopes N. 15° W.; desc. 100 ft. over NE. slope.

62.40

Small wash, drains W. from SE.; asc. 50 ft. over SW. slope.

80.00

Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T40S R1W

$$\begin{array}{c} \frac{1}{2} \\ \hline S29 | S28 \\ \hline S32 | S33 \\ 1959 \end{array}$$

From which a cedar, 6 ins. diam., bears N. 45° W., .07 lks. dist., mkd. T40S R1W S29 BT.

Cor. is located on spur sloping W.

Land, rolling and broken.

Soil, sandy.

Timber, scattered juniper and pinon; undergrowth, moderate sage, grass, scattered Briar, tea and cacti.

Survey of a Portion of the Subdivision of T. 40 S., R. 1 W.

Chains

- N. 0° 03' W., bet. secs. 28 and 29.
- Over rolling land facing W.; desc. 50 ft.
- 10.10 Begin descent along draw draining N. 15° W.; desc. 110 ft.
- 23.50 Leave draw; desc. 50 ft. along broken W. slope.
- 34.00 Small wash, heads about 6.00 chs. E.; drains W.; asc. 50 ft. over S. slope.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 28 and 29.
- Set an iron post 36 ins. long, 1 in. diam., 8 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
- T40S R1W  
 $\frac{1}{4}$   
 S29 | S28  
 . 1959.
- Asc. 20 ft. over S. slope.
- 49.00 Begin triangulation; topography as taken from U. S. G. S. triangulation sheet; desc. about 50 ft. over broken NW. slope.
- 56.00 S. rim of Hackberry Canyon; desc. about 400 ft. over steep slope and canyon wall facing NW.
- 66.00 Bottom of Hackberry Canyon, running water, drains SW.; cottonwood trees in canyon bottom; asc. about 300 ft. over canyon wall facing SE.
- 75.00 N. rim of canyon; asc. about 70 ft. over S. slope.
- 80.00 True point for the cor. of secs. 20, 21, 28 and 29 falls on edge of shelf where cor. cannot be perpetuated.
- Land, rolling and broken.  
 Soil, sandy and exposed sandstone.  
 Timber, moderate to scattered scrub juniper and pinon, cottonwoods in bottom of Hackberry Canyon.  
 Undergrowth, scattered sage, Brigham tea, grass and cacti.
- 
- N. 0° 03' W., bet. secs. 20 and 21.
- Over broken mountainous land; asc. 30 ft. over shelf facing SE.
- .70 Point selected for the witness cor. of secs. 20, 21, 28 and 29.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
- T40S R1W  
 S20 | S21  
 S29 | S28  
 W C  
 1959
- 1.00 Top of point, projects E.; by triangulation; topography as taken from U. S. G. S. triangulation sheet; desc. about 240 ft. over steep slopes and ledges facing N.
- 7.00 Wash in bottom of side canyon, running water, drains E. about 5.00 chs. to Hackberry Canyon; asc. about 280 ft. over ledges facing S.

Survey of a Portion of the Subdivision of T. 40 S., R. 1 W.

Chains

- 14.90 End of triangulation on N. rim of canyon, bears E. and N. on bend; asc. 90 ft. along W. slope.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 20 and 21.  
Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 20 ins. in the ground, in a mound of stone to top, with brass cap mkd.

T40S R1W  
 $\frac{1}{4}$   
S20|S21  
1959

Raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

Asc. 30 ft. along rolling W. slope.

- 49.40 Slope changes to SW.; asc. 20 ft.
- 57.20 Slope changes to S.; asc. 10 ft.
- 61.20 Ridge, bears N.  $15^\circ$  W. and S.  $15^\circ$  E.; cont. along rolling E. slope.
- 79.70 Small gully, drains E.
- 80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post,  $2\frac{1}{2}$  ins. diam., 14 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T40S R1W  
S17|S16  
S20|S21  
1959

from which,

A cedar, 8 ins. diam., bears S.  $53^\circ$  E., .92 lks. dist., mkd.  
T40S R1W S21 BT.

A pinon, 12 ins. diam., bears S.  $66^\circ 30'$  W., .82 lks. dist., mkd.  
T40S R1W S20 BT.

No other suitable bearing trees available.

Land, rolling and broken.

Soil, sandy, rocky and exposed sandstone.

Timber, scattered to moderate scrub juniper and pinon.

Undergrowth, moderate sage N. 20 chs., scattered sage, cacti, Brigham tea and grass throughout remainder.

N.  $0^\circ 03'$  W., bet. secs. 16 and 17.

Over rolling land through scattered timber; asc. 10 ft. over gentle S. slope.

- 1.00 Low spur, slopes E.; desc. 30 ft. over N. slope.
- 2.50 Small gully, drains E.; asc. 90 ft. over SE. slope.
- 12.70 SE. edge of sandstone knoll; desc. 10 ft. along E. slope.
- 28.90 Slope changes to rolling NE.; desc. 170 ft.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 16 and 17.

Survey of a Portion of the Subdivision of T. 40 S., R. 1 W.

Chains

Set an iron post, 15 ins. long, 1 in. diam., 7 ins. in drill hole in solid sandstone, with brass cap mkd.

T40S R1W

$\frac{1}{2}$   
S17|S16  
1959

Cor. is located on steep slope of gully draining NE.

Desc. 50 ft. over broken NE. slope.

46.20 S. rim of canyon, bears NW. and SE., by triangulation; topography as taken from U. S. G. S. topographic sheet; desc. about 280 ft. over nearly vertical canyon wall facing NE.

53.00 Canyon bottom, course SE. (running water); asc. about 280 ft. over canyon wall and steep slope facing SW.

72.00 End of triangulation; asc. 10 ft. over S. slope.

73.10 Spur, slopes SE.; cont. over rolling land through scattered timber; East drainage and exposure.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T40S R1W

$\frac{1}{2}$   
S8|S9  
S17|S16  
1959

Deposit charcoal in the hole.

Land, rolling and broken.

Soil, sandy and exposed sandstone.

Timber, scattered scrub pinon and juniper.

Undergrowth, scattered sage, grass, cacti and Brigham tea.

N. 0° 03' W., bet. secs. 8 and 9.

Over rolling land, through moderate sage and scattered timber.

26.70 Slope changes to N.; desc. 30 ft.

40.00 Point for the ¼ sec. cor. of secs. 8 and 9.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T40S R1W

$\frac{1}{4}$   
S8|S9  
1959

Deposit charcoal in the hole; desc. 10 ft.

41.60 Small wash, drains E.; asc. 110 ft. over rolling S. slope.

80.00 Point for the cor. of secs. 4, 5, 8 and 9.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 40 S., R. 1 W.

Chains

T40S R1W  
S5|S4  
88|89  
1959

Deposit charcoal in the hole.

from which,

A cedar, 18 ins. diam., bears S. 36° 41' E., 1.11 chs. dist., mkd. T40S R1W S9 BT.

A cedar, 24 ins. diam., bears N. 55° 10' E., 1.48 chs. dist., mkd. T40S R1W S4 BT.

No other suitable bearing trees available.

Land, gently rolling.

Soil, sandy loam.

Timber, scattered juniper and pinon.

Undergrowth, moderate sage, scattered Brigham tea, grass and yellow brush.

N. 0° 21' W., bet. secs. 4 and 5.

Over rolling land, through scattered timber and moderate sage.

10.30 Begin descent over NE. slope, by triangulation; topography as taken from U. S. G. S. topographic sheet; desc. about 120 ft.

17.00 Rim of Hackberry Canyon, bears NW. and SE.; desc. about 120 ft. over canyon wall facing NE.

22.00 Wash in bottom of Hackberry Canyon, 1.50 chs. wide, 1 ft. deep, drains SE. on bend from NE.; cont. along canyon bottom.

35.00 Leave canyon bottom; asc. about 100 ft. over nearly vertical wall facing SW.

40.00 True point for the 1/4 sec. cor. of secs. 4 and 5 falls on steep sandstone slope where cor. cannot be perpetuated; asc. about 160 ft. over steep SW. slope.

43.80 Canyon rim, bears SW. and NE.

44.10 Point selected for the witness 1/4 sec. cor. of secs. 4 and 5.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, with brass cap mkd.

T40S R1W  
1/4  
S5|S4  
W C  
1959

Raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

Asc. 40 ft.

45.68 End of triangulation; asc. 20 ft. along ridge bearing irregularly N. and S.

75.10 Begin descent along E. slope on W. side of Hackberry Canyon; desc. 10 ft.

78.78 True point for the cor. of secs. 4 and 5, from which its witness cor.

Survey of a Portion of the Subdivision of T. 40 S., R. 1 W.

Chains

bears E. 33 lks. dist., a 2½ ins. iron post described in the notes of the survey of the S. bdy. of T. 39 S., R. 1 W.

Land, rolling and broken.

Soil, sandy and rocky.

Timber, scattered juniper and pinon.

Undergrowth, scattered sage, Brigham tea, grass and yellow brush.

From the cor. of secs. 2 and 3, on the N. bdy. of the Tp.

S. 0°01' E., bet. secs. 2 and 3.

Over rolling land, through moderate scrub juniper and pinon; desc. 20 ft.

- 3.80 Wash, 30 lks. wide, 1 ft. deep, drains SE.
- 4.60 Small wash, drains E. 50 lks. to intersection with wash at 3.80 chs.; asc. 50 ft. over NE. slope.
- 11.00 Small sage flat, bears E. and W.; desc. 30 ft.
- 16.10 Wash, 20 lks. wide, 1 ft. deep, drains E.; asc. 60 ft. over N. slope.
- 21.60 Spur, slopes E.; desc. 10 ft. over rolling land, E. drainage.
- 29.30 Spur, slopes E.
- 35.90 Spur, slopes E.; desc. 30 ft. over S. slope.
- 38.80 Small wash, drains E.; asc. 10 ft. over N. slope.
- 39.39 Point for the ¼ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T40S R1W

3  
S3|S2  
1959

Asc. 20 ft.

- 40.30 Spur, slopes E.; asc. 100 ft. along rolling E. slope.
- 55.00 E. edge of tall broken sandstone butte; desc. 20 ft.
- 56.50 Desc. abruptly 100 ft. over ledge facing S.
- 56.60 Base of ledge; desc. 50 ft. over S. slope.
- 63.00 Small wash, drains S. 80° E.; asc. 20 ft. over gentle N. slope.
- 64.30 Low spur, slopes E.; desc. 30 ft. over S. slope.
- 69.30 Small wash, drains N. 80° E.; asc. 40 ft. over NW. slope.
- 72.30 Low spur, slopes NE.
- 75.30 Small draw, drains NE.; asc. 30 ft. over N. slope.
- 79.39 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 36 ins. long, 1 in. diam., 24 ins. in the ground, with brass cap mkd.

## Survey of a Portion of the Subdivision of T. 40 S., R. 1 W.

Chains

T40S R1W  
 S3|S2  
 S10|S11  
 1959

from which

A cedar, 14 ins. diam., bears N. 49° 19' E., 71 lks. dist., mkd.  
 T40S R1W S2 BT.

A cedar, 8 ins. diam., bears N. 63° 50' W., .11 lks. dist., mkd.  
 T40S R1W S3 BT.

Land, rolling and broken.

Soil, sandy and rocky.

Timber, moderate scrub juniper and pinon.

Undergrowth, scattered sage, silverleaf, buck brush, cacti, Brigham tea and grass.

From the cor. of secs. 1 and 2, a 2½ ins. iron post, described in the survey notes of the S. bdy. of T. 39 S., R. 1 W.

S. 0° 01' E., bet. secs. 1 and 2.

Over mountainous land; asc. 20 ft.

.50 End of low sandstone spur; desc. 60 ft. over sandstone facing SW.

3.80 Wash, 70 lks. wide, 1 ft. deep, drains SE. from N. 15° W.; asc. 140 ft. over steep ledgy NE. slope.

8.00 Spur, slopes sharply E.; desc. 80 ft. over S. slope.

9.20 Draw, drains E.; asc. 90 ft. over N. slope.

13.00 Sandy spur, slopes E.; desc. 120 ft. along rolling E. slope, numerous small gullies.

39.70 Point for the ¼ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T40S R1W  
 ¼  
 S2|S1  
 1959

Desc. 150 ft. over rolling land, general E. drainage and exposure.

79.70 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T40S R1W  
 S2|S1  
 S11|S12  
 1959

Land, rolling, slightly broken.

Soil, sandy, rocky and exposed sandstone.

Timber, moderate scrub juniper and pinon.

Undergrowth, scattered sage, silverleaf, buck brush, cacti, Brigham tea and grass.

Survey of a Portion of the Subdivision of T. 40 S., R. 1 W.

Chains

From the cor. of secs. 1, 2, 11 and 12.

N. 89° 49' W., bet. secs. 2 and 11.

Over mountainous land; asc. 240 ft. over rolling broken land, E. drainage, through moderate pinon and juniper.

22.30 Slope and drainage changes to S.

25.40 Slope changes to West; desc. 70 ft.

25.90 Sandstone bottom of short draw, near head, drains S. 15° W.; asc. 30 ft. over E. slope.

33.00 Point, projects S. about 3.00 chs. to end; desc. 70 ft. over sandstone facing SW.

35.80 Wash, 50 lks. wide, 2 ft. deep, drains SE.; asc. 50 ft. over NE. slope.

39.97 Point for the 1/4 sec. cor. of secs. 2 and 11.

Set an iron post, 15 ins. long, 1 ins. diam., 6 ins. into drill hole in solid sandstone, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T40S R1W

1/4 S 2

S11

1959

Asc. 80 ft. over NE. slope.

46.10 Ridge, bears S. and NW.; desc. 80 ft. over W. slope.

52.00 Draw, near head, drains S.; asc. 30 ft. over E. slope.

53.90 Small spur, slopes S.; desc. 70 ft. over W. slope.

57.60 Wash, 60 lks. wide, 3 ft. deep, drains SE.; asc. 190 ft. along spur sloping E.

79.94 The cor. of secs. 2, 3, 10 and 11.

Land, rolling and broken.

Soil, sandy, exposed sandstone and rocky.

Timber moderate scrub juniper and pinon.

Undergrowth, scattered sage, silverleaf, buckbrush, cacti, Brigham tea and grass.

From the cor. of secs. 16, 17, 20 and 21.

East, bet. secs. 16 and 21.

Over rolling, broken land, scattered timber; by triangulation, topography as taken from U. S. G. S. topographic sheet; desc. about 150 ft. over E. slope.

25.00 W. rim of Hackberry Canyon, bears N. and S.; desc. about 160 ft. over nearly vertical canyon wall facing E.

28.00 Bottom of Hackberry Canyon, drains S.; asc. about 160 ft. over canyon wall facing W.

32.00 E. rim of Hackberry Canyon, bears N. and S.; asc. 40 ft. over W. slope.

34.00 Spur, slopes N.; desc. about 40 ft. over E. slope.

Survey of a Portion of the Subdivision of T. 40 S., R. 1 W.

Chains

- 37.50 Draw, near head, drains N.; asc. about 40 ft. over W. slope.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 16 and 21.  
Set an iron post, 15 ins. long, 1 in. diam., 7 ins. into drill hole, in a mound of stone to top, with brass cap mkd.

T40S R1W

$\frac{1}{4}$   $\frac{S16}{S21}$

1959

- Raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, N. of cor.  
End of triangulation; asc. 150 ft. over W. slope.
- 50.10 Slope changes to gentle S.; asc. 10 ft.
- 64.00 Slope changes to NE.; desc. 110 ft.
- 73.50 Wash, 50 lks. wide, 1 ft. deep, drains NW.; asc. 60 ft. over SW. 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., 12 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T40S R1W

$\frac{S16}{S21}$  |  $\frac{S15}{S22}$

1959

Cor. is located on spur sloping NW.

Land, rolling and broken.

Soil, sandy and exposed sandstone.

Timber, widely scattered juniper and pinon.

Undergrowth, moderate sage, scattered Brigham tea, cacti, grass and buck brush.

- From the cor. of secs. 15, 16, 21 and 22.  
N.  $0^{\circ} 02'$  W., bet. secs. 15 and 16.  
Over rolling mountainous land; desc. 20 ft.
- 2.70 Small wash, about 3.00 chs. from head, drains NW.; asc. 80 ft. over SW. slope through scattered timber.
- 15.90 Spur, slopes W.; desc. 10 ft. along rolling W. slope.
- 24.40 Small spur, slopes N.  $15^{\circ}$  W.; desc. 40 ft. along E. slope.
- 29.60 Slope changes to N. by triangulation; topography as taken from U. S. G. S. topographic sheet; desc. about 120 ft.
- 34.00 Wash, 70 lks. wide, 2 ft. deep, drains W.; asc. about 200 ft. over steep S. slope.
- 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., 22 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 40 S., R. 1 W.

Chains

T40S R1W

S16 | S15  
1959

Deposit charcoal in hole.

Cor. is located on spur sloping W.

Cont. by triangulation; desc. about 30 ft. over N. slope.

- 40.50 Head of small draw, drains sharply W.; asc. about 80 ft. along general S. slope.
- 48.00 Top of ascent, bears NW. and SE.; desc. about 80 ft. over NE. slope.
- 51.00 Small wash, drains SE.; asc. about 120 ft. over steep, slick sand rock facing SW.
- 56.90 End of triangulation; asc. 80 ft. over slickrock facing S.
- 64.00 Sandstone knob; desc. 40 ft. over rolling land, W. drainage.
- 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, with brass cap mkd.

T40S R1W

S 9 | S10  
S16 | S15  
1959

Deposit charcoal in the hole.

Land, rolling S. 30 chs.; steep and broken N. 50 chs.

Soil, sandy and exposed sandstone.

Timber, scattered scrub juniper and pinon.

Undergrowth, moderate sage S. ½ mile, scant undergrowth N. ½ mile.

From the cor. of secs. 9, 10, 15 and 16.

N. 89° 56' W., bet. secs. 9 and 16.

Over rolling mountainous land, through scattered timber; desc. 40 ft. over NW. slope.

- 1.90 Small wash, drains SW.; asc. 20 ft. over SE. slope.
- 3.20 Spur, slopes SW.; desc. 180 ft. over NW. slope.
- 14.40 Junction of two washes draining S. from N. and NE.; asc. 60 ft. over E. slope.
- 21.80 Spur, slopes S.; desc. 210 ft. over exposed sandstone facing W.
- 39.99 Point for the ¼ sec. cor. of secs. 9 and 16.

Set an iron post, 15 ins. long, 1 in. in diam., 8 ins. into drill hole in solid sandstone, with brass cap mkd.

T40S R1W

¼ S 9  
S16  
1959

Survey of a Portion of the Subdivision of T. 40 S. R. 1 W.

Chains

- Raise a mound of stone, 3 ft. base, 2½ ft. high, North of cor.
- 40.50 Base of exposed sandstone, by triangulation; topography as taken from U. S. G. S. topographic sheet; asc. about 40 ft. over E. slope through moderate sage.
- 51.50 Top of ascent; desc, about 160 ft. over broken E. slope.
- 61.00 E. rim of Hackberry Canyon, bears irregularly N. and S.; desc. about 160 ft. over nearly vertical canyon wall facing W.
- 66.00 Bottom of Hackberry Canyon, drains irregularly S.; asc. about 160 ft. over canyon wall facing E.
- 71.00 W. rim of canyon, bears irregularly N. and S.; asc. about 60 ft. over gentle E. slope.
- 79.98 The cor. of secs. 8, 9, 16 and 17.

Land, rolling and broken.  
Soil, sandy and exposed sandstone.  
Timber, scattered juniper and pinon.  
Undergrowth, moderate to scattered sage, grass, Brigham tea, buckbrush and cacti.

Beginning at the true point for the standard cor. of secs. 31 and 32, from which its witness cor. bears E. 50 lks. wide., a 3 ins. iron post conforming to the record.

N. 0° 03' W., bet. secs. 31 and 32.

Over steep broken mountainous land, by triangulation.

- 1.00 Base of steep ledgy talus slope facing generally SE.; asc. 690 ft.
- 30.70 Broken rocky spur, projects E.; desc. about 120 ft. over broken ledgy N. slope.
- 35.00 Side canyon, drains S. 70° E.; asc. about 140 ft. over ledgy S. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 15 ins. long, 1 in. diam., 6 ins. into drill hole in solid sandstone, in a mound of stone to top, with brass cap mkd.

T40S R1W

¼

S31|S32

1959

End of triangulation; asc. 110 ft. over SE. slope through moderate timber.

- 53.50 Ridge, bears irregularly E. and W.; by triangulation, topography as taken from U. S. G. S. topographic sheet; desc. about 300 ft. over broken, ledgy N. slope.
- 67.50 Wash, 70 lks. wide, 1 ft. deep, drains N. 60° E.; asc. about 150 ft. over ledgy S. slope.
- 72.00 Ledgy point, slopes SE.; desc. about 50 ft. over NE. slope.

Survey of a Portion of the Subdivision of T. 40 S., R. 1 W.

Chains

79.00 Short draw, drains SE.; asc. about 50 ft. over ledgy 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., 12 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T40S R1W

S30 | S29

S31 | S32

1959

Land, broken.

Soil, rocky, sandy and exposed sandstone.

Timber, scattered to moderate scrub pinon and juniper.

Undergrowth, scattered buckbrush, silverleaf, sage, cacti and grass.

From the cor. of secs. 28, 29, 32 and 33.

S.  $89^{\circ} 57'$  W., bet. secs. 29 and 32.

Over rolling and broken land, through scattered timber; desc. 30 ft. along rolling N. slope.

19.10 Slope changes to NW.; desc. 40 ft.

24.30 E. rim of Hackberry Canyon, bears irregularly N. and S.; by triangulation desc. about 440 ft. over steep ledgy slope and canyon wall facing W.

36.50 Bottom of Hackberry Canyon, drains irregularly S.  $15^{\circ}$  W.; thence over canyon bottom.

40.04 Point selected for the witness  $\frac{1}{4}$  sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 16 ins. in the ground, in a mound of stone to top, with brass cap mkd.

T40S R1W

W  $\frac{1}{4}$  S29

C S32

1959

40.24 True point for the  $\frac{1}{4}$  sec. cor. of secs. 29 and 32 falls in the bottom of small side wash draining SE. from W.

Asc. about 560 ft. over broken ledgy spur sloping E.

76.15 End of triangulation; desc. 10 ft. along S. slope of spur.

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

Land, rolling E. 24 chs., broken remainder.

Soil, sandy, exposed sandstone and rocky.

Timber, scrub pinon and juniper.

Undergrowth, scattered sage, buckbrush, silverleaf, cacti and grass.

Beginning at the standard cor. of secs. 35 and 36, a 2 ins. iron post conforming to the record.

N.  $0^{\circ} 01'$  W., bet. secs. 35 and 36.

Survey of a Portion of the Subdivision of T. 40 S., R. 1 W.

Chains

- Over broken ridge top; asc. 20 ft.
- 1.90 By triangulation, topography as estimated; desc. about 600 ft. over broken ledgy N. slope.
- 14.00 Wash, drains NE.; asc. about 100 ft. over steep broken SE. slope.
- 19.00 Spur, slopes NE.; desc. about 100 ft. over steep NW. slope.
- 27.00 Small wash, drains NE.; asc. about 100 ft. over steep S. slope.
- 32.00 End of spur, projects E.; desc. about 100 ft. over steep N. slope.
- 35.00 Wash, drains SE.; asc. about 300 ft. over steep ledgy S. slope.
- 40.00 True point for the  $\frac{1}{4}$  sec. cor. of secs. 35 and 36 falls on inaccessible slope; asc. about 300 ft. over steep ledgy S. slope.
- 46.50 Mesa rim, bears irregularly E. and W.
- 46.60 Point selected for the witness  $\frac{1}{4}$  sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 4 ins. in the ground, in a mound of stone to top, with brass cap mkd.

T40S R1W  
 $\frac{1}{4}$   
 S35 | S36  
 W C  
 1959

- End of triangulation; asc. 20 ft. over mesa top.
- 59.00 N. rim of mesa, bears SW. and NE.; desc. 200 ft. over steep NW. slope.
- 65.00 Wash, 30 lks. wide, 3 ft. deep, drains NE.; asc. 20 ft. over SE. slope.
- 70.70 Spur, slopes E. about 3.00 chs. to end; desc. 80 ft. over NE. slope.
- 73.50 Wash, 30 lks. wide, 3 ft. deep, drains irregularly NE.; asc. 230 ft. over steep, ledgy, broken S. slope.
- 79.50 Mesa rim, bears NE. and W.
- 80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 8 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T40S R1W  
 S26 | S25  
 S35 | S36  
 1959

Land, broken mountainous.  
 Soil, shallow sandy clay loam and rocky.  
 Timber, moderate to dense pinon and juniper.  
 Undergrowth, scattered sage, Brigham tea, grass and silverleaf.

Beginning at the cor. of secs. 25, 30, 31 and 36, a 2 ins. iron post, conforming to the record.

S.  $89^{\circ} 54'$  W., bet. secs. 25 and 36.

Survey of a Portion of the Subdivision of T. 40 S., R. 1 W.

Chains	
	Over broken mountain land, through moderate timber; asc. 20 ft. over SE. slope.
1.80	Point projects SW. about 5 chs. to end; desc. 30 ft. over W. slope.
4.10	Mesa rim, bears N. and S.; by triangulation, topography estimated; desc. about 500 ft. over steep ledgy W. slope.
25.30	Junction of two washes draining S. (Coyote Canyon) drainage from N. and W.; asc. about 70 ft. along canyon bottom.
35.00	Leave canyon bottom; asc. about 200 ft. along NE. slope.
40.14	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T40S R1W $\frac{1}{4}$ $\frac{S25}{S36}$ 1959
	End of triangulation; asc. 30 ft. along NE. slope.
41.90	Spur, slopes NE.; desc. 70 ft. over NW. slope.
47.00	Draw, drains NE.; asc. 180 ft. over SE. slope.
53.20	Spur, slopes NE.; by triangulation, topography estimated; desc. about 50 ft. over NW. slope.
65.00	Wash, 50 lks. wide, 1 ft. deep, drains NE.; asc. about 380 ft. over steep slope and ledges facing SE.
77.30	Mesa rim, bears irregularly NE. and SW.
80.28	The cor. of secs. 25, 26, 35 and 36. Land, broken mountainous. Soil, sandy clay loam, rocky and exposed sandstone. Timber, moderate juniper and pinon. Undergrowth, scattered Brigham tea, sage, silverleaf and grass.

GENERAL DESCRIPTION

A variety of land and soil is found in T. 40 S., R. 1 W. The elevation ranges from about 5,000 to 6,634 feet above sea level; the higher elevation is in the northwest portion of the township, with Cottonwood, Hackberry and Coyote Canyon at the lower elevation. The soil in the eastern portion of the township is of heavy clay loam along the slopes, rocky and sandstone ledges at higher elevations; the remainder is of heavy sandy loam, rocky and exposed sandstone. There is moderate scrub juniper and pinon in most of the township with scattered cottonwood and oak groves along Hackberry and Cottonwood Canyons.

Hackberry Canyon and its tributaries drain the central and western portions of the township, entering the township on the north boundary about 6.00 chains east of the corner of sections 4 and 5, draining southerly through the township. Cottonwood Canyon, Cads Crotch, Coyote Canyon and their tributaries drain the eastern portion of the township. There are several good springs located in Hackberry Canyon and its tributaries, which affords a continual water supply for the grazing of livestock, which at present is the predominating interest.

U.S.G.S. triangulation station "Cottonwood" is located in the NE  $\frac{1}{4}$  of unsurveyed sec. 7; its geographic position is latitude  $37^{\circ} 21' 12.406''$  N., longitude  $111^{\circ} 56' 32.419''$  W.

Chains

The Cockscomb, an extremely broken narrow ridge, paralleling Cottonwood Canyon in the eastern portion of the township, is the predominating topographical feature, affording some scenic attraction.

A connecting blade road from Cannonville to the highway from Kanab, Utah to Page, Arizona follows along the bottom of Cottonwood Canyon and is the most important development noted in the township.



# CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 28th day of August, I have ~~independently~~ independently resurveyed a portion of the west boundary, retraced a portion of the south and east boundaries and surveyed a portion of the west boundary and subdivision of T. 40 S., R. 1 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah  
July 19, 1960

*George D. Voorhees*  
George D., Voorhees  
Cadastral Surveyor (Chief of Party)

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., APR 17 1961, 1961

The foregoing field notes of the ~~survey of~~ dependent resurvey of a portion of the west boundary, retracement of a portion of the south and east boundaries and survey of a portion of the west boundary and subdivision of T. 40 S., R. 1 W., Salt Lake Meridian, Utah

executed by Donald A. Cannon and Boyd S. Owens, Cadastral Surveyors, under the supervision of George D. Voorhees, Cadastral Surveyor (Chief of Party) having been critically examined and found correct, are hereby approved.

*[Signature]*  
Cadastral Engineering Staff Officer.

## CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in T. 40-S., R. 1 W., SLM, Utah, is a true copy of the original field notes.~~

*[Signature]*  
Cadastral Engineering Staff Officer.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

A DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISION

AND

A SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 40 SOUTH, RANGE 2 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

George D. Voorhees, Cadastral Surveyor (Chief of Party)

Donald A. Cannon, Cadastral Surveyor

Under special instructions dated August 28, 1958, which provided

for the surveys included under Group No. 425, approved September 28, 1958

assignment instructions dated June 11, 1959

Survey commenced July 9, 1959

Survey completed August 12, 1959

INDEX DIAGRAM

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31	32	33	34	35	36

## Chains

The south boundary or the Eighth Standard Parallel South was surveyed by H. D. Heist in 1902 and resurveyed by Thoma and Johnston in 1916. The west boundary was surveyed by H. D. Heist in 1902 and resurveyed concurrently with the survey of this township and can be found in the field notes of T. 40 S., R. 3 W. A portion of the east boundary was surveyed by H. D. Heist in 1902 and resurveyed concurrently with the survey of this township and can be found in the field notes of T. 40 S., R. 1 W. A portion of the north boundary was surveyed by H. D. Heist in 1902 and resurveyed concurrently with the survey of this township and can be found in the field notes of T. 39 S., R. 2 W. A portion of the subdivision was surveyed by H. D. Heist in 1902. A portion of the east boundary was surveyed concurrently with the survey of this township and can be found in the field notes of T. 40 S., R. 1 W. A portion of the north boundary was surveyed concurrently with the survey of this township and can be found in the field notes of T. 39 S., R. 2 W.

The following field notes are those of a dependent resurvey of a portion of the subdivision and a survey of a portion of the subdivision of T. 40 S., R. 2 W. deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. and L. E. Gurley solar transit No. 541331, conforming to the standard specifications of the Bureau of Land Management. The instrument was maintained in precise adjustment throughout the survey.

Before restoring the corners of the resurvey, a search was made for any evidence of the corners and accessories called for in the original field note record. The recovered corners were then monumented. After completing the necessary retracements to connect with the identified corner points, the rules of proportionate measurement were applied to ascertain the position of the lost corners. When no other control was possible, the positions of lost corners were located at record course and distance. Corners on east-west lines of the original survey completed at this time were set on the true latitudinal curve; lines connecting previously established corners were run by random and true line method. For simplification of the record the random lines are omitted from these 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.

The measurements were made with a narrow steel tape, eight chains in length, graduated every link for the first chain and thereafter at intervals of ten links. The tape was tested by comparison with a standard steel tape, one chain in length, and found to be correct. All measurements were made on the slope, the vertical angle of each interval determined by use of a clinometer in good adjustment; the horizontal equivalents only appear in the field note record. The length of all accessible lines are determined by chaining. The inaccessible lines were run by traverse or triangulation methods; the details of such traverses or triangulations were thoroughly verified and in order to simplify the record are omitted from these field notes. The distance to topography on the inaccessible lines were scaled from U. S. G. S. quadrangle maps or aerial photographs.

The lines of this survey were carried forward by sustained angulation. The direction of all lines herein reported were determined by deflecting from meridians established by altitude observations on the sun or hour angle observations on Polaris at a number of stations in the township.

The geographic position for the southeast corner of the township is latitude 37° 16' 57" N. and longitude 111° 57' 35" W., as determined by scaling from U. S. G. S. 7½ minute quadrangle "The Coxcomb SW" published in 1955.

## Township 40 South, Range 2 West

Chains

The magnetic declination was read at a number of stations in the township and the average of the several readings was found to be  $15^{\circ} 30'$  East.

## Dependent Resurvey of Portion of Subdivision of T. 40 S., R. 2 W.

Beginning at the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp. an iron post,  $2\frac{1}{2}$  ins. diam., set, mkd. and witnessed as described in the field notes of T. 40 S., R. 1 W. surveyed concurrently under this same group.

S.  $89^{\circ} 56'$  W., bet. secs. 13 and 24.

Through scattered timber; asc. 60 ft. over E. slope.

12.90 Ridge, bears N. and S.; desc. 260 ft. over ledges on broken W. slope.

31.20 Wash, 40 lks. wide, 20 ft. deep, drains NW.; asc. 190 ft. over NE. sandstone slope.

44.60 High rocky sandstone spur, slopes sharply N.; desc. 30 ft. over W. slope.

45.14 Point for the  $\frac{1}{2}$  sec. cor. of sec. 24, at proportionate dist.; no evidence of the original cor. remains.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., over a cross (X) on sandstone surface, in a mound of stone,  $4\frac{1}{2}$  ft. base to top, with brass cap mkd.

T40S R2W

$\frac{1}{2}$  S24  
1959

By triangulation from 44.60; desc. about 250 ft. over ledges on W. slope.

53.00 Ravine, 10 lks. wide, drains sharply N.; asc. about 100 ft. over ledges on NE. slope.

56.50 Wash, 10 lks. wide, 3 ft. deep, drains N.  $20^{\circ}$  W.; asc. about 50 ft. over broken NE. slope.

76.00 Spur, slopes NE.; desc. about 20 ft. along N. slope.

79.50 W. rim of Hoge Canyon, a ledge about 40 ft. high, bears N.  $70^{\circ}$  E. and S.  $70^{\circ}$  W.; desc. about 200 ft. over ledges facing NW.

90.29 Point for the cor. of secs. 23 and 24, at proportionate dist.; no evidence of the original cor. remains.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 6 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T40S R2W

S23|S24  
1959

Land, broken.

Soil, sand with exposed sandstone.

Timber, scattered juniper and pinon.

Dependent Resurvey of a Portion of the Subdivision, T. 40 S., R. 2 W.

Chains

S. 89° 56' W., along the N. bdy. of sec. 23.

Through scattered timber; desc. 20 ft. over NW. slope.

.50 Wash in bottom of Hogeye Canyon, 40 lks. wide, 4 ft. deep, drains S. 60° W.; asc. about 220 ft. over ledges on SE. slope.

11.50 Spur, slopes sharply S. 20° W.; end of triangulation; desc. 70 ft. over SW. slope.

14.90 Ravine, drains sharply S. 20° E.; asc. 110 ft. over ledges on E. slope.

19.40 Top of sandstone butte on spur; spur projects S. 10° E.; desc. 50 ft. over SW. slope.

21.80 Small wash, near head, drains S. 10° E.; asc. 130 ft. over E. slope.

33.70 Spur, projects irregularly S. 20° W.; desc. 10 ft. over W. slope.

36.20 Begin triangulation.

36.30 E. rim of canyon, a ledge about 10 ft. high, bears irregularly N. 10° E. and S. 10° W.; desc. 250 ft. over ledgy W. slope.

45.16 Point for the 1/4 sec. cor. of sec. 23, at proportionate dist.; no evidence of the original cor. remains.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground, in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T40S R2W

1/4 S23  
1959

Desc. about 250 ft. over ledges facing W.

53.20 Wash in bottom of canyon, 50 lks. wide, 3 ft. deep, drains S. 20° W. from N. 10° E.; asc. about 450 ft. over ledges facing E.

73.50 Spur, projects S. 20° W.; desc. about 130 ft. over ledges facing W.

78.50 Wash, 10 lks. wide, 1 ft. deep, heads about 8 chs. N., drains S. 10° E.; asc. about 150 ft. over ledges facing E.

84.80 Asc. over ledge about 30 ft. high, bears N. and S.; cont. over nearly level top of spur.

84.93 End of triangulation; cont. by chaining.

87.70 Center of spur, projects S. 20° W. about 6 chs. to end.

90.33 Point for the cor. of secs. 22 and 23, at proportionate dist.; no evidence of the original cor. remains.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, in a mound of stone, 2 1/2 ft. base to top, with brass cap mkd.

T40S R2W

S22 | S23  
1959

Land, rolling and broken.  
Soil, sand and exposed sandstone.  
Timber, scattered juniper and pinon.

Resurvey of a Portion of the Subd.

Chains

S. 89° 56' W., along the N. bdy. of sec. 22.

Through scattered timber.

.13 Begin triangulation; desc. about 100 ft. over W. slope.

2.90 E. rim of Paria River Canyon, a ledge about 150 ft. high, bears N. and S.; desc. about 800 ft. over ledges on W. slope.

10.20 Base of abrupt descent, bears N. 20° E. and S. 20° E.; cont. over nearly level bottom.

13.90 The Paria River, 1 ch. wide, 6 ins. deep, course S. 20° E. from N. 20° E.; cont. over nearly level river bottom.

20.40 Base of abrupt ascent, bears N. and SE.; asc. about 600 ft. over NE. slope.

29.20 Spur, slopes sharply S. 70° E.; asc. about 200 ft. along S. slope.

45.10 Spur, projects S. about 2 chs. to end; end of triangulation.

45.20 The original 1/4 sec. cor. of secs. 15 and 22, now functions as the 1/4 sec. cor. of sec. 22, monumented by a sandstone 8 ins. X 10 ins. X 15 ins., set 6 ins. in the ground, mkd. 1/4 S on N. face.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T40S R2W

1/4 S22  
1959

Deposit original cornerstone in mound of stone around iron post.

S. 89° 45' W., beginning new measurement.

Cont. by triangulation; desc. about 200 ft. along S. slope.

14.80 Wash, 40 lks. wide, 10 ft. deep, drains S. 70° E.; asc. about 200 ft. along N. slope.

32.50 Spur, slopes N.; desc. 20 ft. over rolling N. slope.

42.49 The cor. of secs. 15, 16, 21 and 22, monumented by a sandstone, 8 ins. X 8 ins. X 30 ins., mkd. with 3 notches on each of the E. and S. faces, set 15 ins. in the ground.

From which, the orig. bearing trees,

A pinon, 12 ins. diam., bears N. 29° 45' E., 72 lks. dist., mkd. T40S R2W S15 BT.

A pinon, 10 ins. diam., bears S. 19° 30' E., 21 lks. dist., mkd. T40S R2W S22 BT.

A pinon, 8 ins. diam., bears S. 71° 00' W., 20 lks. dist., mkd. S21 BT.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

Dependent Recurvey of a Portion of the Subdivision, T. 40 S., R. 2 W.

Chains

T40S R2W  
S16|S15  
S21|S22  
1959

Deposit original cor. alongside iron post.

No other suitable accessories available.

Land, rolling and broken breaks of the Paria River.  
Soil, shallow sand and exposed sandstone.  
Timber, scattered juniper and pinon.

N. 0° 01' W., along the E. bdy. of sec. 16.

Through scattered timber; desc. 20 ft. over N. slope.

2.50 Wash, 20 lks. wide, 3 ft. deep, drains N. 70° E.; asc. 90 ft. over S. slope.

6.20 Spur, slopes E.; desc. 70 ft. over N. slope.

8.90 Wash, 20 lks. wide, 2 ft. deep, drains S. 80° E.; asc. 240 ft. along E. slope.

19.70 Spur, slopes S. 60° E.; asc. 40 ft. over series of small spurs and washes putting E.

29.40 Spur, slopes S. 70° E.; desc. 20 ft. along E. slope.

40.75 The original  $\frac{1}{4}$  sec. cor. of secs. 15 and 16, now functions as the  $\frac{1}{4}$  sec. cor. of sec. 16 only; monumented by a sandstone, 8 X 10 X 12 ins., set 6 ins. in the ground, mkd.  $\frac{1}{4}$  on S. and N. faces.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 6 ins. in the ground, in a mound of stone, 3 $\frac{1}{2}$  ft. base to top, with brass cap mkd.

T40S R2W  
 $\frac{1}{4}$   
S16|  
1959

Deposit original corner in mound of stone around iron post.

N. 0° 08' E., beginning new measurement.

.91 Thence by triangulation; desc. about 100 ft. over NE. slope.

14.30 Spur, slopes N. 10° E.; desc. about 200 ft. along broken W. slope.

19.40 Wash, 20 lks. wide, 2 ft. deep, drains N. 20° E.; asc. about 50 ft. over SE. slope.

26.50 Spur, slopes sharply N. 80° E.; desc. about 150 ft. over NE. slope.

36.00 Wash, 20 lks. wide, 4 ft. deep, drains SE. from W.; asc. about 100 ft. over S. slope.

End of triangulation at 52.52, thence by return measure to cor.

46.17 The original cor. of secs. 9, 10, 15 and 16, now functions as the cor. of secs. 9 and 16 only, monumented by a sandstone, 8 X 15 X 50 ins., set 6 ins. in the ground, in a mound of stone, 3 $\frac{1}{2}$  ft. base, 2 $\frac{1}{2}$  ft. high.

## Resurvey of a Portion of the

Chains

mkd. with 4 notches on S. face and 3 notches on E. face.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, in a mound of stone, 4½ ft. base to top, with brass cap mkd.

T40S R2W

S 9 |

S16 |

1959

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, scattered juniper and pinon.

N. 0° 05' E., along the E. bdy. of sec. 9.

Through scattered timber; asc. 120 ft. over S. slope.

14.30 Spur, slopes S. 60° E.; asc. 150 ft. over SE. slope.

32.20 Spur, projects S. 70° E.; desc. 120 ft. over broken N. slope.

38.73 The point for the ¼ sec. cor. of sec. 9, at proportionate dist.; no evidence of the original cor. remains.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface, in a mound of stone, 4½ ft. base to top, with brass cap mkd.

T40S R2W

¼

S9 |

1959

Desc. 20 ft. over N. slope.

44.50 Begin triangulation.

Desc. about 100 ft. over broken N. slope.

55.80 Spur, slopes sharply N. 20° W.; desc. about 100 ft. over broken N. slope.

63.00 S. rim of box canyon, bears N. 60° E. and S. 80° W.; desc. about 300 ft. over ledges on N. slope.

64.10 Wash in bottom of box canyon, about 30 lks. wide, 2 ft. deep, drains NE.; asc. about 300 ft. over ledges facing S.

65.20 N. rim of box canyon, bears NE. and SW.; asc. about 150 ft. over SE. slope.

74.90 Spur, slopes NE.; desc. 10 ft. along E. slope.

77.46 Point for the cor. of secs. 4 and 9, at proportionate dist.; no evidence of the original cor. remains.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T40S R2W

S4 |

S9 |

1959

Deposit charcoal at base of iron post.

Chains

Land, rolling and broken.  
Soil, sand and exposed sandstone.  
Timber, juniper and pinon.

N. 0° 12' E., along the E. bdy. of sec. 4.

Through scattered timber; desc. 10 ft. along E. slope.

8.60 Wash, 1.50 chs. wide, 3 ft. deep, drains N. 80° E.; asc. 40 ft. over S. slope.

11.50 Spur, slopes E.

11.66 Begin triangulation.

Cont. along E. slope.

15.60 N. edge of canyon, a ledge about 30 ft. high, bears NW. and E.; desc. about 300 ft. over ledges facing N.

18.80 Wash in bottom of canyon, 30 lks. wide, 2 ft. deep, drains E.; asc. about 300 ft. over ledges facing S.

26.50 High sandstone spur, projects SE. about 6 chs. to end; desc. about 200 ft. over ledges on NE. slope.

End of triangulation at 43.52, by return measure to cor. point.

38.73 Point for the 1/4 sec. cor. of sec. 4, at proportionate dist.; no evidence of the original cor. remains.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground, in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T40S R2W

S4

1959

Desc. about 150 ft. over NE. slope.

42.60 Base of abrupt descent into Paria River Canyon, bears N. 30° W. and SE.; cont. over nearly level bottom land.

43.52 Begin triangulation.

44.80 Paria River, 1 ch. wide, 6 ins. deep, course S. 30° E.; cont. over nearly level bottom land.

47.60 Base of abrupt ascent out of the Paria River Canyon, bears N. 30° W. and SE.; asc. about 500 ft. over ledges facing SW.

60.30 E. rim of the Paria River Canyon; a ledge about 50 ft. high, bears NW. and SE. irregularly.

60.39 End of triangulation; cont. by chaining.

Asc. 40 ft. over SW. slope.

68.60 Spur, projects W.; desc. 90 ft. along W. slope.

77.55 The cor. of secs. 3 and 4, monumented by an iron post, 2 1/2 ins. diam., set, mkd. and witnessed as described in concurrent survey of T. 39 S., R. 2 W.

Land, broken breaks of the Paria River.  
Soil, sand and exposed sandstone.  
Timber, scattered juniper, pinon, with cottonwoods in canyon bottoms.

Survey of Portion of the Subdivision of T. 40 S., R. 2 W.

Chains

Beginning at the cor. of secs. 2 and 3, on the N. bdy. of the Tp., monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the concurrent survey of T. 39 S., R. 2 W.

S. 0° 01' E., bet. secs. 2 and 3.

Through scattered timber; by triangulation; desc. 200 ft. over ledges on SE. slope.

10.90 Wash, 30 lks. wide, 2 ft. deep, drains S. 30° W.; asc. about 120 ft. over ledges facing W.

23.50 E. rim of canyon, a ledge about 60 ft. high, bears N. and SW.; asc. about 50 ft. over N. slope.

25.40 Spur, projects W. about 3 chs., thence S. 30° W.

25.63 End of triangulation; cont. by chaining.

Desc. 160 ft. over broken S. slope.

38.30 Wash, 10 lks. wide, 1 ft. deep, heads about 2 chs. NE.; drains S. 30° W.; asc. abruptly 90 ft. over ledges facing NW.

41.75 Point for the ¼ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T40S R2W

½  
S3|S2  
1959

41.80 Spur, slopes sharply S. 70° W.; desc. 110 ft. over ledges facing SW.

45.10 Wash, 10 lks. wide, 3 ft. deep, heads about 6 chs. SE., drains N. 70° W. about 5 chs. to junction with wash from the NE.; asc. abruptly 370 ft. over ledges on N. slope.

58.40 Spur, slopes N. 20° W.; desc. 40 ft. along W. slope.

62.10 Spur, slopes sharply S. 30° W.; desc. 270 ft. over ledges on S. slope.

77.30 N. rim of gulch, a ledge about 20 ft. high, bears N. 70° E. and W.; desc. abruptly 140 ft. over ledges facing S.

80.70 Wash in bottom of gulch, 20 lks. wide, 1 ft. deep, drains W.; asc. 20 ft. over N. slope.

81.75 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T40S R2W

S3|S2  
S10|S11  
1959

Land, broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper and pinon.

Survey of a Portion of the Subdivision of T. 40 S., R. 2 W.

Chains

East, bet. secs. 2 and 11.

Through scattered timber; desc. 20 ft. along N. slope.

5.90 Wash, in bottom of gulch, 20 lks. wide, 3 ft. deep, drains W. from SE.; asc. 280 ft. over ledges on SW. slope.

17.10 Spur, projects N. 80° W. from N. 80° E.; desc. 20 ft. along S. slope.

20.24 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., 20 ins. in the ground, in a collar of stone to top, with brass cap mkd.

T40S R2W

$\frac{1}{4}$   $\frac{S \ 2 \ W}{S11 \ C}$

1959

Begin traverse; cont. along S. slope.

22.40 Small wash, drains S. 10° W.; asc. about 150 ft. over ledges facing W.

26.30 Sandstone spur, slopes sharply S. 10° W.; desc. about 200 ft. over ledges facing E.

29.70 Wash, 30 lks. wide, 3 ft. deep, drains S. 10° W.; asc. about 550 ft. over inaccessible ledges facing W.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 11 falls on inaccessible ledges spot of ledges where the cor. cannot be monumented.

43.20 High sandstone point, projects N. about 3 chs.; desc. about 350 ft. over cliff facing NE.

47.50 Base of cliff, bears NW. and S. 60° E.; desc. about 150 ft. over broken E. slope.

59.70 Wash, 30 lks. wide, 3 ft. deep, drains NW.; asc. about 150 ft. over SW. slope.

67.00 Slope changes; cont. along S. slope.

69.75 End of traverse; cont. along true line.

69.80 Point selected for witness cor. of secs. 1, 2, 11 and 12.

Drill an iron post, 20 ins. long, 1 ins. diam., 6 ins. in sandstone, in collar of stone, with brass cap mkd.

T40S R2W

$\frac{S2 \ S1}{S11 \ S12}$

1959

Asc. about 10 ft. over SW. slope.

74.50 Sandstone spur, slopes S. 20° E.; desc. 50 ft. over E. slope.

76.60 Bottom of descent, drains S.; asc. 230 ft. over ledges on SW. slope.

80.00 Point for the cor. of secs. 1, 2, 11 and 12 falls on steep sandstone SW. slope where the cor. cannot be monumented.

Land, rolling and broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper and pinon.

Survey of Portion of the Subdivision, T. 40 S., R. 2 W.

Chains

- N.0°03' W., bet. secs. 1 and 2.  
 Through scattered timber; asc. 10 ft. along W. slope.
- .75 Top of ascent, slopes W., begin triangulation; desc. about 200 ft. along W. slope.
- 16.60 Spur, slopes N. 10° W.; desc. about 150 ft. over N. slope.
- 22.30 Wash, 40 lks. wide, 5 ft. deep, drains N. 70° W. from N. 80° E.; asc. about 200 ft. over ledges on SW. slope.
- 36.50 Spur, slopes N. 10° W.
- 36.53 End of triangulation; cont. by chaining; desc. 40 ft. along E. slope.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 2.  
 Set an iron post, 36 ins. long, 1 ins. diam., 24 ins. in the ground, with brass cap mkd.

T40S R2W

$\frac{1}{4}$   
 S2|S1  
 1959

- Deposit mkd. stone at base of iron post.  
 Desc. 120 ft. along E. slope.
- 62.30 Spur, slopes sharply NE.; desc. 110 ft. over steep N. slope.
- 65.20 Wash, 60 lks. wide, 3 ft. deep, drains N. 80° W.; asc. 70 ft. over steep S. slope.
- 68.90 Spur, slopes sharply S. 20° E.; desc. 40 ft. along E. slope.
- 75.50 Wash, 20 lks. wide, 1 ft. deep, drains S. 20° E. from the N.; asc. 30 ft. along E. side of wash.
- 81.65 The cor. of secs. 1 and 2, on the N. bdy. of the Tp.; monumented by an iron post, 2 $\frac{1}{2}$  ins. diam., set, mkd. and witnessed as described in the concurrent survey of T, 39 S., R. 2 W.

Land, rolling and broken.  
 Soil, sand and exposed sandstone.  
 Timber, scattered juniper and pinon.

GENERAL DESCRIPTION

The land in the northeast quarter of T. 40 S., R. 2 W. is broken sandstone benchland, cut by canyons draining southerly. The Paria River enters the township on the north boundary of section 3, draining southerly through sections 3, 10 and 15.

There is a fair growth of juniper and pinon, and a few scattered Ponderosa Pine and cottonwoods. There is very little undergrowth.

The only water found is in the Paria River. No roads were found. At the time of survey there was no mining activity or settlements, which would be impractical due to the rugged terrain and lack of water. The only use of the land is a limited amount of stock grazing.



# CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 28th day of August, 1958, I have surveyed a portion of the subdivision and dependently resurveyed a portion of the subdivision of T. 40 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 me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

July 27, 1960

Salt Lake City, Utah

  
George D. Voorhees  
 Cadastral Surveyor, (Chief of Party)

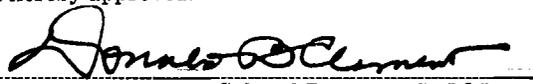
## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., APR 17 1961, 19

The foregoing field notes of the survey of a portion of the subdivision and dependent resurvey of a portion of the subdivision of T. 40 S., R. 2 W., Salt Lake Meridian, Utah

executed by Donald A. Cannon, Cadastral Surveyor, under the supervision of George D. Voorhees, Cadastral Surveyor (Chief of Party) having been critically examined and found correct, are hereby approved.

  
 Cadastral Engineering Staff Officer.

## CERTIFICATE OF CORRECT COPY

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 40 S., R. 2 W., SIM, Utah, is a true copy of the original field notes.

J. M. [unclear]

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

# FIELD NOTES

OF THE

DEPENDENT RESURVEY OF THE

WEST BOUNDARY OF T. 40 S., R. 2 W.,

THE SOUTH AND WEST BOUNDARIES

AND

SURVEY OF

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 40 SOUTH, RANGE 3 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

D. Voorhees, Cadastral Surveyor (Chief of Party)

Boyd S. Owens, Cadastral Surveyor

Donald A. Cannon, Cadastral Surveyor

Under special instructions dated August 28, 1958, which provided

for the surveys included under Group No. 425, approved September 10, 1958

and assignment instructions dated June 11, 1959

Survey commenced July 16, 1959

Survey completed September 3, 1959

# INDEX DIAGRAM

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

Township 40 South, Range 3 West

Chains

The south, east and west boundaries were surveyed by H. D. Heist in 1902. The north boundary was surveyed by Nelson and Stumm in 1911. The south boundary of section 36 was retraced by Andrew Nelson in 1921.

The following field notes are those of the dependent resurvey of the west boundary of T. 40 S., R. 2 W., and the south and west boundaries and survey of a portion of the subdivision of T. 40 S., R. 3 W., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

Before restoring corners the lines of the original survey were retraced and diligent search made for any evidence of the original corners. The rules of proportionate measurement were applied to ascertain the position of the lost corners after every reasonable possibility of finding direct evidence of the corner had been exhausted.

The survey was executed with W. & L. E. Gurley solar transits Nos. 541331 and 540614, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of this 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 are approximate, as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude  $37^{\circ} 16' 57.2''$  N. and longitude  $112^{\circ} 04' 28.8''$  W., as determined by computation and scaling from U. S. G. S. topographic maps.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be  $15^{\circ} 30'$  East.

of the West Boundary of

Chains

Reestablishment of the survey executed by H. D. Helst in 1902.

Beginning at the standard cor. of T. 40 S., R. 2 and 3 W., monument-  
ed by an iron post, 3 ins. diam., firmly set, mkd. and witnessed as  
described in the field notes of the 1916 resurvey of the S. bdy. of  
T. 40 S., R. 2 W.

North, bet. secs. 31 and 36.

Over gently rolling land, through thinly scattered timber; desc. 80  
ft. along gentle NW. slope.

40.09 Point for the  $\frac{1}{2}$  sec. cor. of secs. 31 and 36, at proportionate dist.;  
there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground,  
with brass cap mkd.

T40S  
R3W R2W  
 $\frac{1}{2}$   
S36 | S31  
1959

Deposit charcoal at base of iron post.

Cont. over nearly level land; asc. 10 ft. over gentle SE. slope.

56.00 Low spur, projects N.  $30^\circ$  E.; desc. 30 ft. over gentle N. slope.

70.30 Wash in bottom of Kitchen Canyon, 40 lks. wide, 6 ins. deep, drains  
N.  $70^\circ$  E.; thence over nearly level land.

80.18 Point for the cor. of secs. 25, 30, 31 and 36, at proportionate dist.  
there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground,  
with brass cap mkd.

T40S  
R3W R2W  
S25 | S30  
S36 | S31  
1959

Deposit charcoal at base of iron post.

Land, gently rolling.

Soil, sand.

Timber, thinly scattered juniper.

North, along the W. bdy. of sec. 30.

Note: The remaining 5 miles of this bdy. are monumented with brass  
caps mkd. to function for T. 40 S., R. 2 W. only.

Over rolling land, through scattered timber; asc. 50 ft. over S.  
slope.

8.70 Spur, projects N.  $70^\circ$  E.; asc. 30 ft. along rolling E. slope.

33.10 Top of ascent, bears E. and W.; desc. 30 ft. over gentle NE. slope.

40.09 Point for the  $\frac{1}{2}$  sec. cor. of sec. 30, at proportionate dist.; there  
is no remaining evidence of the original cor.

Re of the West Boundary of T. 40 S., R. 2 W.

Chains

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground with brass cap mkd.

T40S  
R3W R2W  
\*  
| S30  
1959

Deposit a stone, mkd. with a cross (x) at base of iron post.

Asc. 50 ft. over gentle S. slope.

79.70

Flat-bottomed wash, 1 ch. wide, drains S. 85° E. from NW.

80.18

Point for the cor. of secs. 19 and 30, at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground with brass cap mkd.

T40S  
R3W R2W  
| S19  
| S30  
1959

Deposit charcoal at base of iron post.

Land, rolling.

Soil, sand.

Timber, scattered juniper.

North, along the W. bdy. of sec. 19.

Over gently rolling land, through scattered timber; asc. 30 ft. over gentle S. slope.

40.09

Point for the 1/4 sec. cor. of sec. 19 at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground with brass cap mkd.

T40S  
R3W R2W  
\*  
| S19  
1959

Deposit charcoal at base of iron post.

Asc. 50 ft. over gentle S. slope.

80.18

Point for the cor. of secs. 18 and 19, at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground with brass cap mkd.

T40S  
R3W R2W  
| S18  
| S19  
1959

Deposit charcoal at base of iron post.

Dependent Resurvey of the West Boundary of T. 40 S., R. 2 W.

Chains

Land, gently rolling.  
Soil, sand.  
Timber, scattered juniper.

North, along the W. bdy. of sec. 18.

Over gently rolling land, through scattered timber; asc. 110 ft. over S. slope.

27.80 Spur, projects E.; asc. 20 ft. along rolling E. slope.

40.09 Point for the  $\frac{1}{2}$  sec. cor. of sec. 18, at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 20 ins. in the ground to bedrock, in a collar of stone, with brass cap mkd.

T40S  
R3W R2W  
|  
S18  
1959

Asc. 20 ft. along rolling E. slope.

45.70 Slope changes to NE.; desc. 20 ft.

50.40 Flat-bottomed wash, 150 lks. wide, drains SE.; asc. 250 ft. over steep S. slope of spur projecting S.

80.18 Point for the cor. of secs. 7 and 18, at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

T40S  
R3W R2W  
|  
S 7  
|  
S18  
1959

Deposit a stone, mkd. with a cross (X) at base of iron post.

Land, rolling.  
Soil, sand.  
Timber, scattered juniper.

North, along the W. bdy. of sec. 7.

Over rolling land, through scattered timber; asc. 10 ft. over S. slope.

10.90 Top of ascent, bears E. and W.; desc. 100 ft. along rolling W. slope.

29.10 Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. 20 ft. over SE. slope.

31.10 Spur, projects SW.; asc. 30 ft. along broken W. slope.

40.09 Point for the  $\frac{1}{2}$  sec. cor. of sec. 7, at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

of the West Boundary of T. 40 S. R. 2 W.

Chains

T40S  
R3W R2W  
\*  
|S7  
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post.  
Asc. 10 ft. along W. slope.

- 42.20 Base of ledges, bears N. 60° W. and S. 60° E.; asc. 300 ft. over precipitous SW. slope.
  - 52.30 Top of ascent on spur, projects W.; thence by triangulation, with topography estimated; desc. about 300 ft. over precipitous NW. slope.
  - 64.00 Wash in bottom of canyon, drains SW.; asc. about 300 ft. over steep SE. slope of canyon wall.
  - 77.30 Top of ascent, bears NE. and SW.; thence over nearly level land.
  - 80.18 Point for the cor. of secs. 6 and 7, at proportionate dist.; there is no remaining evidence of the original cor.
- Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T40S  
R3W R2W  
|S6  
|S7  
1959

Deposit a stone, mkd. with a cross (X) at base of iron post.

Land, S. ½ mile rolling; N. ½ mile broken.  
Soil, S. ½ mile, sand; N. ½ mile, sand and exposed sandstone.  
Timber, scattered pinion and juniper.

North, along the W. bdy. of sec. 6.

Over rolling and broken land, through scattered timber; cont. by triangulation; desc. about 120 ft. over steep NW. slope.

- 6.00 Approximate position of wash, 20 lks. wide, 3 ft. deep, drains SW.; asc. about 790 ft. over broken ledges on steep S. slope.
  - 33.40 Top of ascent on spur, projects S. 60° E.; desc. about 130 ft. over ledges on steep NW. slope.
  - 40.09 Point for the ¼ sec. cor. of sec. 6, at proportionate dist.; there is no remaining evidence of the original cor.
- Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T40S  
R3W R2W  
\*  
|S6  
1959

Thence over level shelf,

- 40.60 Top of cliff, about 250 ft. high, bears SW. and N. 15° E.; desc. about 1,000 ft. over cliff, barren sandstone ledges and talus on

Dependent Resurvey of the West Boundary of T. 40 S., R. 2 W.

Chains

79.40

Wash, 20 lks. wide, 20 ft. deep, drains irregularly N. 80° E.; asc. about 60 ft. over barren sandstone ledges on steep S. slope.

80.18

The true point for the cor. of Tps. 39 and 40 S., Rs. 2, 2½ and 3 W. reestablished from remains of stone mound.

At the cor. point

Drill an iron post, 1 ins. diam., 18 ins. long, 6 ins. into solid sandstone, in a mound of stone, 2½ ft. base to top, with brass cap mkd.

T39S  
R3W R2½W  
S36 S36  
S1 S6  
R3W R2W  
T40S  
1959

End of triangulation.

Land, extremely rough and broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered Ponderosa pine, pinion and juniper.

Dependent Resurvey of the South Boundary of T. 40 S., R. 3 W.

Reestablishment of the survey executed by H. D. Heist in 1902.

From the standard cor. of Tps. 40 S., Rs. 2 and 3 W., previously described.

N. 89° 55' W., along the S. bdy. of sec. 36.

Over rolling land, through scattered timber; desc. 30 ft. over NW. slope.

17.40

Wash, 30 lks. wide, 10 ft. deep, drains N. 10° E.; asc. 160 ft. over rolling SE. slope.

36.40

The original standard ¼ sec. cor. of sec. 36, monumented by a stone, 16x12x8 ins., firmly set, mkd. and witnessed as described in the field notes of the 1902 survey of the Eighth Standard Parallel South through R. 3 W. This cor. now functions as an angle point only.

At the cor. point

Set an iron post, 20 ins. long, 1 ins. diam., 14 ins. in the ground to bedrock, in a collar of stone, with brass cap mkd.

S C  
T40S. R3W  
A P  
1959

Deposit original cornerstone at base of iron post.

N. 89° 54' W., cont. along the S. bdy. of sec. 36, beginning new measurement.

Asc. 70 ft. over steep SE. slope.

Resurvey of the South Boundary of T. 40 S., R. 3 W.

Chains

40.80

Point for the standard 1/4 sec. cor. of sec. 36, at midpoint.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

S C  
T40S R3W  
1/4 S36  
1959

Deposit charcoal at base of iron post.

Asc. 160 ft. over steep SE. slope.

49.01

The closing cor. of secs. 1 and 2, T. 41 S., R. 3 W., monumented by an iron post, 2 1/2 ins. diam., firmly set, mkd. and witnessed as described in the field notes of the 1921 survey of the subdivision of T. 41 S., R. 3 W.

Asc. 80 ft. over steep SE. slope.

14.80

Top of ascent on sandy ridge, bears N. 15° E. and S. 15° W.; desc. 110 ft. over broken W. slope.

44.00

The true point for the standard cor. of secs. 35 and 36, reestablished from the bearing trees.

At the cor. point

Drill an iron post, 30 ins. long, 2 1/2 ins. diam., 14 ins. into solid sandstone, in a collar of stone, with brass cap mkd.

S C  
T40S R3W  
S35/S36  
1959

Deposit original cornerstone alongside iron post.

Land, rolling to broken.

Soil, sand.

Timber, scattered pinion and juniper.

N. 89° 50' W., along the S. bdy. of sec. 35.

Over rolling land, through scattered timber; asc. 140 ft. over series of spurs and small washes putting N.

40.12

The standard 1/4 sec. cor. of sec. 35, monumented by a stone, 20x18x4 ins., firmly set, mkd. and witnessed as described in the field notes of the 1902 survey of the Eighth Standard Parallel South through R. 3 W.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

S C  
T40S R3W  
1/4 S35  
1959

Deposit original cornerstone at base of iron post.

Dependent Resurvey of the South Boundary of T. 40 S., R. 3 W.

Chains

N. 89° 44' W., beginning new measurement.

Desc. 100 ft. over rolling SW. slope.

5.05 The closing cor. of secs. 2 and 3, T. 41 S., R. 3 W., monumented by an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the field notes of the 1921 survey of the subdivision of T. 41 S., R. 3 W.

Thence over nearly level land, through heavy sagebrush.

31.40 Spur, projects SW.; cont. over sagebrush flat; asc. 30 ft.

40.17 The standard cor. of secs. 34 and 35, monumented by a stone, 18x10x5 ins., firmly set, mkd. and witnessed as described in the field notes of the 1902 survey of the Eighth Standard Parallel South through R. 3 W.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

S C  
T40S R3W  
S34|S35  
1959

Raise a mound of stone, 2 ft. high, 3 ft. base, N. of iron post.

Deposit original cornerstone in mound.

Land, rolling.

Soil, sand.

Timber, scattered pinion and juniper.

Undergrowth, heavy sage.

S. 89° 46' W., along the S. bdy. of sec. 34.

Over rolling land, through scattered timber; asc. 70 ft. over E. slope.

14.20 Base of ledges; bears N. and S.; asc. 120 ft. over precipitous E. slope.

21.00 E. rim of mesa, bears N. and S.; thence over level land on top of mesa.

28.50 W. rim of mesa, bears N. and S.; desc. abruptly 160 ft. over ledges and talus on steep W. slope.

40.01 The standard ¼ sec. cor. of sec. 34, monumented by a stone 20x8x4 ins., firmly set, mkd. and witnessed as described in the field notes of the 1902 survey of the Eighth Standard Parallel South through R. 3 W.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

S C  
T40S R3W  
¼ S34  
1959

Deposit original cornerstone alongside iron post.

Chains

N. 89° 59' W., beginning new measurement.

.80 Top of sandy knoll; desc. 110 ft. over steep W. slope.

4.92 The closing cor. of secs. 3 and 4, T. 41 S., R. 3 W., monumented by an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the field notes of the 1921 survey of the subdivision of T. 41 S., R. 3 W.

Cont. over W. slope; desc. 130 ft. over series of rocky spurs projecting N.

23.20 Enter sagebrush flat, bears N. and S.; desc. 60 ft. over W. slope.

40.01 The standard cor. of secs. 33 and 34, monumented by a stone, 20x12x8 ins., firmly set, mkd. and witnessed as described in the field notes of the 1902 survey of the Eighth Standard Parallel South through R. 3 W.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.

S C  
T40S R3W  
S33|S34  
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the iron post.

Deposit original cornerstone in mound.

Land, rolling and broken.

Soil, sand.

Timber, medium dense pinion and juniper.

N. 89° 49' W., along the S. bdy. of sec. 33.

Over rolling land, through medium timber; desc. 30 ft. over W. slope.

8.40 Wash, 10 lks. wide, 4 ft. deep, drains S. 70° W.; desc. 10 ft. over SW. slope.

14.80 Broad drain, about 10 chs. wide, drains SW.; asc. 10 ft. over gently rolling SE. slope.

21.50 Top of ascent, bears NE. and SW.; desc. 80 ft. over W. slope.

34.20 Wash in bottom of Buckskin Gulch, 80 lks. wide, 6 ft. deep, drains irregularly S.; asc. 10 ft. over gentle E. slope.

40.12 The standard ¼ sec. cor. of sec. 33, monumented by a stone, 18x15x6 ins., firmly set, mkd. and witnessed as described in the field notes of the 1902 survey of the Eighth Standard Parallel South through R. 3 W.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.

Chains

S C  
T40S R3W  
 $\frac{1}{4}$  S33  
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.  
Deposit the original cornerstone in the mound.

S. 89° 53' W., beginning new measurement.

Cont. over nearly level land.

- 3.10 Fence, 4-strand barbed wire, bears N. and S.
- 4.88 The closing cor. of secs. 4 and 5, T. 41 S., R. 3 W., monumented by an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the field notes of the 1921 survey of the subdivision of T. 41 S., R. 3 W.  
Asc. 90 ft. over E. slope.
- 17.30 Wash, 10 lks. wide, 6 ft. deep, drains irregularly SE.; asc. 160 ft. over broken SE. slope.
- 40.20 Point for the standard cor. of secs. 32 and 33, at proportionate dist.; there is no remaining evidence of the original cor.  
Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

S C  
T40S R3W  
S32 S33  
1959

Set a juniper post, 3 ins. diam., 5 ft. long, 24 ins. in the ground N. of iron post.

Land, rolling and broken.  
Soil, sand.  
Timber, scattered pinion and juniper.

S. 89° 53' W., along the S. bdy. of sec. 32.

Over rolling and broken land, through scattered timber; asc. 10 ft. over E. slope.

- 3.10 Sandy spur, projects NW.; cont. over rolling land; desc. 40 ft. along SW. slope.
- 20.00 Slope, changes to E.; asc. 100 ft.
- 40.19 The standard  $\frac{1}{4}$  sec. cor. of sec. 32, monumented by a stone, 20x12x6 ins., firmly set, mkd. and witnessed as described in the field notes of the 1902 survey of the Eight Standard Parallel South through R. 3 W.  
At the cor. point  
Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

S C  
T40S R3W  
 $\frac{1}{4}$  S32  
1959

Chains

Deposit original cornerstone at base of iron post.

N. 89° 50' W., beginning new measurement.

Desc. 40 ft. over W. slope.

4.50 Wash, drains S. 70° W.; asc. 10 ft.

4.84 The closing cor. of secs. 5 and 6, T. 41 S., R. 3 W., monumented by an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the field notes of the 1921 survey of the subdivision of T. 41 S., R. 3 W.

Asc. 20 ft. over SE. slope.

8.20 Wash, 10 lks. wide, 4 ft. deep, drains S.; asc. 70 ft. over E. slope.

21.80 Top of ascent, bears NE. and SW.; desc. 50 ft. over NW. slope.

28.70 Wash, 10 lks. wide, 6 ft. deep, drains S. 70° W.; desc. 10 ft. along gently rolling S. slope.

39.97 The standard cor. of secs. 31 and 32, monumented by a stone, 18x15x6 ins., firmly set, mkd. and witnessed as described in the field notes of the 1902 survey of the Eighth Standard Parallel South through R. 3 W.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.

S C  
T40S R3W  
S31|S32  
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the iron post.

Deposit original cornerstone in the mound.

Land, rolling and broken.

Soil, sand.

Timber, scattered pinion and juniper.

S. 89° 59' W., along the S. bdy. of sec. 31.

Over rolling land, through scattered timber; desc. 90 ft. over NW. slope.

27.10 Wash, 20 lks. wide, 8 ft. deep, drains S. 70° W.; desc. 10 ft. along S. slope.

40.04 The standard ¼ sec. cor. of sec. 31, monumented by a stone, 16x12x8 ins., firmly set, mkd. and witnessed as described in the field notes of the 1902 survey of the Eighth Standard Parallel South through R. 3 W.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

Dependent Resurvey of the South Boundary of T. 40 S., R. 3 W.

Chains

S C  
T40S R3W  
S31  
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.  
Deposit the original cornerstone in the mound.

S. 89° 57' W., beginning new measurement.

Cont. over nearly level land.

- 5.57 The closing cor. of T. 41 S., Rs. 3 and 4 W., monumented by an iron post, 3 ins. diam., firmly set, mkd. and witnessed as described in the field notes of the 1921 survey of the W. bdy. of T. 41 S., R. 3 W.
- 31.20 Low spur, projects SW.; desc. 100 ft. over SW. slope.
- 38.50 Wash, 10 lks. wide, 1 ft. deep, drains SW.; asc. 50 ft. over steep SE. slope.
- 40.18 The standard cor. of T. 40 S., Rs. 3 and 4 W., monumented by a stone, 20x12x8 ins., firmly set, mkd. and witnessed as described in the field notes of the 1902 survey of the Eighth Standard Parallel South through R. 3 W.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.

S C  
T40S  
R4W R3W  
S36 S31  
T41S  
1959

Deposit the original cornerstone alongside the iron post.

Land, rolling.

Soil, sand.

Timber, scattered pinion and juniper.

Dependent Resurvey of the West Boundary of T. 40 S., R. 3 W.

Reestablishment of the survey executed by H. D. Heist in 1902.

From the standard cor. of T. 40 S., Rs. 3 and 4 W., previously described.

N. 0° 03' E., bet. secs. 31 and 36.

Over rolling land, through scattered timber; asc. 80 ft. over gentle SE. slope.

- 27.00 Top of ascent on knoll, about 30 lks. E. of crest; desc. 30 ft. over rolling NE. slope.

Re-survey of the West of T. 40 S., R. 3 W.

Chains

The  $\frac{1}{4}$  sec. cor. of secs. 31 and 36, monumented by a stone, 15x12x4 ins., firmly set, dimly mkd. and witnessed as described in the field notes of the 1902 survey of the E. bdy. of T. 40 S., R. 4 W.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T40S  
R4W R3W  
S36 | S31  
1959

Deposit original cornerstone at base of iron post.

N. 0° 02' E., beginning new measurement.

Desc. 90 ft. over N. slope.

4.80 Small wash, drains SW.; asc. 20 ft. over S. slope.

13.40 Low spur, projects SW.; asc. 80 ft. over rolling SE. slope.

39.96 The true point for the cor. of secs. 25, 30, 31 and 36, reestablished from the original bearing trees.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T40S  
R4W R3W  
S25 | S30  
S36 | S31  
1959

Cor. is located in bottom of small drain, drains S. 60° W.

Land, rolling.

Soil, sand.

Timber, scattered pinion and juniper.

N. 1° 00' E., bet. secs. 25 and 30.

Over rolling land, through scattered timber; asc. 30 ft. over S. slope.

11.60 Top of ascent, bears NW. and SE.; desc. abruptly about 200 ft. over steep NE. slope; by triangulation; topography estimated.

19.00 Wash, 1 ch. wide, 3 ft. deep, drains NW. from SE.; asc. about 200 ft. over steep SW. slope.

26.70 Spur, projects W. from S. 60° E.; desc. about 200 ft. over steep N. slope.

37.50 Wash, drains SW. about 10 chs. to junction with main wash; asc. 10 ft. over precipitous SE. slope.

37.94 Point selected for the witness  $\frac{1}{4}$  sec. cor. of secs. 25 and 30.

Dependent Resurvey of the West Boundary of T. 40 S., R. 3 W.

Chains

Set an iron post, 24 ins. long, 1 ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T40S  
R4W R3W  
W C  
S25 S30  
1959

Cont. to ascend over precipitous S. slope on W. wall of mesa; asc. about 870 ft.

- 38.00 Record dist. for the witness cor.; there is no remaining evidence of the original witness  $\frac{1}{4}$  sec. cor.
- 39.98 True point for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 30, at proportionate dist., falls in an inaccessible position on face of barren sandstone wall.
- 49.50 Rim of mesa, bears E. about 10 chs., thence S. 15° E. and S. 60° W.; end of triangulation. Over rolling top of mesa; asc. 60 ft. over gentle S. slope.
- 62.40 Top of ascent, bears E. and W.; desc. 40 ft. over gentle N. slope.
- 79.96 The cor. of secs. 19, 24, 25 and 30, monumented by a stone, 10x6x4 ins., firmly set, mkd. and witnessed as described in the field notes of the 1902 survey of the E. bdy. of T. 40 S., R. 4 W.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T40S  
R4W R3W  
S24 S19  
S25 S30  
1959

Deposit original cornerstone at base of iron post.

Land, rough and broken sandstone walls and rolling mesa top. Soil, sand.

Timber, S.  $\frac{1}{2}$  mile scattered pinion and juniper; N.  $\frac{1}{2}$  mile medium dense Ponderos apine, pinion and juniper.

N. 0° 05' W., bet. secs. 19 and 24.

Over rolling land, through medium timber; asc. 40 ft. over gentle S. slope.

- 6.10 Top of ascent on ridge, bears NE. and SW.; desc. 20 ft. over N. slope.
- 10.10 Leave medium timber, enter sagebrush flat, bears NW. and SE.; desc. 50 ft. over gently rolling N. slope.
- 28.10 Leave sagebrush flat, enter scattered timber, bears NE. and SW.; desc. 20 ft. over gentle N. slope.
- 40.04 Point for the  $\frac{1}{4}$  sec. cor. of secs. 19 and 24, at proportionate dist.; there is no remaining evidence of the original cor.

Dependent Reserve of the West Boundary of T. 40 S., R. 3 W.

Chains

At the cor. point  
Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground to bedrock, with brass cap mkd.

T40S  
R4W R3W  
\*  
S24 | S19  
1959

Deposit charcoal at base of iron post.  
Cont. over gently rolling mesa top; desc. 90 ft. over N. slope.

63.70 Leave scattered timber, enter heavy sagebrush and oak, bears NW. and SE.

65.10 Jeep road, bears NW. and SE.; desc. 10 ft. over gentle NE. slope.

70.40 Head of ravine, drains NE., leave scattered timber in old burn scar, enter heavy timber, bears E. and W.

75.70 Recross jeep road, bears irregularly N. and S. 30° W.

78.10 Recross jeep road, bears N. 5° W. and irregularly S.

80.07 The cor. of secs. 13, 18, 19 and 24, monumented by a cedar post, 4 ins. diam., firmly set, mkd. and witnessed as described in the field notes of the 1902 survey of the E. bdy. of T. 40 S., R. 4 W.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T40S  
R4W R3W  
S13 | S18  
S24 | S19  
1959

Deposit original cornerpost alongside the iron post.

Land, rolling top of mesa.  
Soil, sand.  
Timber, scattered to dense Ponderosa pine, pinion and juniper;  
Undergrowth, heavy sage and oak.

N. 0° 02' W., bet. secs. 13 and 18.

Over rolling land, through medium dense timber; desc. 90 ft. over gentle N. slope.

3.30 Jeep road, bears NE. and S. 10° W.

30.80 Recross jeep road, bears NW. and SE.

40.15 The ¼ sec. cor. of secs. 13 and 18, monumented by a cedar post, 3 ins. diam., firmly set, mkd. and witnessed as described in the field notes of the 1902 survey of the E. bdy. of T. 40 S.; R. 4 W.

At the cor. point

Dependent Resurvey of the West Boundary of T. 40 S., R. 3 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the with brass cap mkd.

T40W  
R4W R3W  
½  
S13 | S18  
1959

Deposit the original corner post alongside the iron post.

N. 0° 09' W., beginning new measurement.

Cont. over gently rolling land, through medium timber and heavy undergrowth; desc. 90 ft. over gentle N. slope.

40.05

The cor. of secs. 7, 12, 13 and 18, monumented by a pinion post, 4 ins. diam., firmly set, mkd. and witnessed as described in the field notes of the 1902 survey of the E. bdy. of T. 40 S., R. 4 W.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T40S  
R4W R3W  
S12 | S 7  
S13 | S18  
1959

Land, gently rolling.

Soil, sand.

Timber, scattered to heavy Ponderosa pine, pinion and juniper. Undergrowth, heavy brush.

N. 0° 36' W., bet, secs. 7 and 12.

Over rolling land, through heavy timber; desc. 110 ft. over rolling N. slope.

35.80

Small wash, drains W. about 3 chs., thence N.; desc. 10 ft. over N. slope.

40.17

Point for the ½ sec. cor. of secs. 7 and 12, at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T40S  
R4W R3W  
½  
S12 | S 7  
1959

Desc. 50 ft. along rolling W. slope.

51.00

Slope changes to NW.; desc. 60 ft.

58.40

Wash in bottom of hollow, drains N. 30° E.; asc. 70 ft. over SE. slope.

Resurvey of West Boundary of T. 40 S., R. 3 W.

Chains

- 72.50 Spur, projects NE.; desc. 50 ft. over NW. slope.
- 79.80 Small wash, drains NE.; asc. 10 ft. over SE. slope.
- 80.34 Point for the cor. of secs. 1, 6, 7 and 12, at proportionate dist.; there is no remaining evidence of the original cor.  
Set an iron post, 30 ins. long, 2½ ins. diam., 11 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T40S  
R4W R3W  
S1 | S6  
S12 | S 7  
1959

Land, rolling and broken.  
Soil, sand.  
Timber, heavy pinion and juniper; scattered Ponderosa pine.

N. 0° 36' W., bet. secs. 1 and 6.

Over rolling and broken land, through heavy timber; asc. 50 ft. over steep SE. slope.

- 3.70 Spur, projects NE.; desc. 160 ft. over steep NW. slope.
- 12.60 Wash, drains NE.; asc. 80 ft. over S. slope.
- 17.50 Spur, projects E.; desc. 60 ft. over N. slope.
- 20.60 S. rim of canyon, bears SE. and N. 70° W.; thence by triangulation with topography estimated; desc. about 200 ft. over canyon wall.
- 26.70 Approximate position of wash in bottom of canyon, drains SE.; asc. about 200 ft. over precipitous N. wall of canyon.
- 31.90 N. rim of canyon, bears irregularly SE. and N. 70° W.; end of triangulation; asc. 10 ft. over S. slope.
- 40.17 Point for the ¼ sec. cor. of secs. 1 and 6, reestablished from ties to the original bearing trees.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T40S  
R4W R3W  
↓  
S1 | S6  
1959

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

Desc. 90 ft. along rolling W. slope.

- 29.30 Slope changes to NW.; desc. 40 ft.
- 34.80 Wash, 20 lks. wide, 3 ft. deep, drains S. 80° W.; asc. 10 ft. over S. slope.

Dependent Resurvey of the West Boundary of T. 40 S., R. 3 W.

Chains  
40.18

The cor. of Tps. 39 and 40 S., Rs. 3 and 4 W., monumented by a 15x12x6 ins., firmly set, dimly mkd. and witnessed as described in the field notes of the E. bdy. of T. 40 S., R. 4 W.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the with brass cap mkd.

T39S  
R4W R3W  
S36 | S31  
S1 | S6  
T40S  
1959

Deposit original cornerstone at base of iron post.

Land, rolling and broken.

Soil, sand.

Timber, medium dense pinion and juniper.

Survey of a Portion of the Subdivision of T. 40 S., R. 3 W.

From the standard cor. of secs. 35 and 36, on the S. bdy. of the Tp. previously described.  
N. 0° 01' W., bet. secs. 35 and 36.

Over rolling and broken land, through scattered timber; desc. 120 ft. over steep N. slope.

11.30 Rim of box canyon, near head, bears NE. and W.; desc. abruptly 110 ft. over cliff.

18.00 Wash in bottom of canyon, drains NE.; asc. 100 ft. over ledges on steep SE. slope.

20.90 Rim of box canyon, bears NE. and SW.; thence over rolling land; asc. 50 ft.

34.10 Jeep trail, bears E. and W.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.

T40S R3W  
¼  
S35 | S36  
1959

Deposit charcoal at base of iron post.

-1.50 Top of spur, projects N. 85° E.; desc. 70 ft. over N. slope.

-8.00 Leave scattered timber, enter sagebrush flat, bears E. and W.; desc. 100 ft. over N. slope.

33.60 Wash, 15 lks. wide, 10 ft. deep, drains N. 80° E. about 8 chs. to junction with main wash.

56.00 Main wash, 20 lks. wide, 10 ft. deep, drains E.; asc. 10 ft. over gentle S. slope.

71.90 Leave sagebrush, enter scattered timber; bears E. and NW.; asc. 80 ft. over broken SW. slope.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Survey of a Portion of the Subdivision of T. 40 S., R. 3 W.

Chains

Set an iron post, 30 ins. long, 1 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T40S R3W  
S26 | S25  
S35 | S36  
1959

Cor. is situated beside a juniper stump,  
Land, rolling and broken.  
Soil, sand.  
Timber, scattered pinion and juniper.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., previously described.

S. 89° 52' W., bet. secs. 25 and 36.  
Over rolling land, through sagebrush flat; asc. 30 ft. over E. slope.

5.20 Leave sagebrush flat, enter scattered timber, bears NE. and SW.; asc. 190 ft. over series of spurs putting S.

40.19 Point for the 1/4 sec. cor. of secs. 25 and 36.

Set an iron post, 36 ins. long, 1 ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T40S R3W  
1/4 S25  
S36  
1959

Asc. 70 ft. over broken SE. slope.

44.30 Top of ascent, bears NE. and S. 10° W.; desc. 100 ft. over broken W. slope.

52.30 Wash, drains S. 10° W.; asc. 70 ft. over steep ledgy SE. slope.

58.50 Top of ledges, bears NE. and S. 15° W.; thence over rolling land; asc. 30 ft. over SE. slope.

73.10 Top of ascent, bears NE. and SW.; desc. 90 ft. over steep NW. slope.

79.50 Wash, 10 lks. wide, 4 ft. deep, drains irregularly S.; asc. 10 ft.

80.38 The cor. of secs. 25, 26, 35 and 36.

Land, rolling and broken.  
Soil, sand and exposed sandstone.  
Timber, scattered pinion and ; juniper.

From the standard cor. of secs. 33 and 34 on the S. bdy. of the Tp., previously described.

N. 0° 02' W., bet. secs. 33 and 34.

Survey of a Portion of the Subdivision of T. 40 S., R. 3 W.

Chains

Over gently rolling land, through heavy sagebrush; asc. 20 ft. SE. slope.

2.00 Low sandy spur, projects SW.; desc. 10 ft. over gentle NW. slope.

9.70 Wash, 300 lks. wide, 8 ft. deep, drains S. 70° W.; asc. 30 ft. over S. slope.

18.60 Leave sagebrush, enter scattered timber, bears NE. and SW.; asc. 140 ft. over rolling and broken SE. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 20 ins. in the ground, with brass cap mkd.

T40S R3W

$\frac{1}{4}$   
S33|S34  
1959

Dig pits, 4 ft. diam., 2 ft. deep, E. and W. of the iron post.

Asc. 110 ft. along rolling W. slope.

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. diam., 20 ins. in the ground, with brass cap mkd.

T40S R3W

S28|S27  
S33|S34  
1959

Deposit charcoal at base of iron post.

Land, rolling.

Soil, sand.

Timber, scattered pinion and juniper.

N. 0° 02' W., bet. secs. 27 and 28.

Over rolling land, through scattered timber; desc. 30 ft. over gentle N. slope.

18.70 Wash, 15 lks. wide, 20 ft. deep, drains N. 60° W. from SE.; asc. 50 ft. over steep SW. slope.

27.70 Sandy spur, projects SW.; desc. 30 ft. over NW. slope.

32.20 Wash, 30 lks. wide, 7 ft. deep, drains SW.; asc. 70 ft. over steep SE. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 20 ins. in the ground, with brass cap mkd.

T40S R3W

$\frac{1}{4}$   
S28|S27  
1959

No other accessories available.

of a Portion of the Subdivision of T. 40 S., R. 3 W.

Chains

Cont. along rolling W. slope.

- 44.20 Wash, 12 lks. wide, 4 ft. deep, drains SW.; asc. 50 ft. over SE. slope.
- 49.40 Top of ascent, bears NE. and SW.; desc. abruptly 100 ft. over steep NW. slope.
- 51.50 Wash in bottom of canyon, 10 lks. wide, 4 ft. deep, drains S. 70° W.; asc. 100 ft. over steep S. slope.
- 61.30 Top of ascent, bears E. and W.; desc. 30 ft. over N. slope.
- 67.90 Wash, barren sandstone bottom, 15 lks. wide, 8 ft. deep, drains W.; asc. 90 ft. over steep S. slope.
- 75.80 Spur, projects W.; desc. 50 ft. over steep N. slope.
- 80.00 Wash in bottom of ravine, barren sandstone sides and bottom, 75 lks. wide, 12 ft. deep.

Point for the cor. of secs. 21, 22, 27 and 28.

Drill an iron post, 1 ins. diam., 15 ins. long, 8 ins. into solid sandstone, with brass cap mkd.

T40S R3W

S21|S22

S28|S27

1959

Land, rolling and broken.  
Soil, sand and exposed sandstone.  
Timber, scattered pinion and juniper.

N. 0° 02' W., bet. secs. 21 and 22.

Over broken land, through scattered timber; asc. 50 ft. over steep S. slope.

- 3.90 Top of ascent, bears E. and W.; asc. 60 ft. over series of spurs, putting W.
- 7.10 Base of precipitous ascent, bears E. and W.; asc. 250 ft. over barren sandstone on steep S. slope.
- 5.90 Top of ascent, point on mesa, bears E. and W.

Point selected for the witness  $\frac{1}{4}$  sec. cor. of secs. 21 and 22.

Set an iron post, 36 ins. long, 1 ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4½ ft. base to top, with brass cap mkd.

T40S R3W

$\frac{1}{4}$

W C

S21|S22

1959

Thence by triangulation, with topography estimated; desc. about 600 ft. over precipitous NW. slope.

Survey of a Portion of the Subdivision of T. 40 S., R. 3 W.

Chains

40.00

True point for the  $\frac{1}{4}$  sec. cor. of secs. 21 and 22 falls in an inaccessible position on face of cliff.

49.00

Approximate position of wash, 75 lks. wide, 6 ft. deep, drains NW.; asc. about 200 ft. along steep, ledgy W. slope of mesa.

60.00

Approximate position of wash, drains abruptly W.; asc. about 300 ft. over ledges on steep SW. 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., 10 ins. in the ground to bedrock, in a mound of stone,  $3\frac{1}{2}$  ft. base to top, with brass cap mkd.

T40S R3W

S16 | S15

S21 | S22

1959

from which

An XBO, chiseled into solid sandstone cliff, bears N. 10 lks. dist.

Land, rough and broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered pinion and juniper.

N.  $0^{\circ} 02'$  W., bet. secs. 15 and 16.

Over rough and broken land on W. wall of No Man's Mesa; asc. 50 ft. over precipitous SW. slope.

1.20

Top of ascent, point of mesa, projects W.; desc. about 900 ft. over ledges on precipitous NW. slope.

19.00

Approximate position of wash, drains S.  $75^{\circ}$  W.; asc. about 700 ft. over steep S. slope.

35.30

W. rim of mesa, bears S.  $75^{\circ}$  E. and S.  $80^{\circ}$  W.; end of triangulation; asc. 60 ft. over S. slope.

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., 10 ins. in the ground to bedrock, in a mound of stone,  $3\frac{1}{2}$  ft. base to top, with brass cap mkd.

T40S R3W

S16 | S15

1959

Asc. 40 ft. over S. slope.

43.10

Top of ascent, bears S.  $80^{\circ}$  W. and irregularly SE.; desc. 60 ft. over N. slope on rolling top of No Man's Mesa.

60.30

Wash, 8 lks. wide, 2 ft. deep, drains S.  $75^{\circ}$  W.; cont. along rolling NW. slope; desc. 40 ft.

63.70

Small wash, drains S.  $80^{\circ}$  W.; asc. 60 ft. over S. slope.

74.10

Top of ascent, bears E. and W.; desc. 70 ft. over N. slope.

80.00

Point for the cor. of secs. 9, 10, 15 and 16.

of a Part of the Subdivision of T. 40 S., R. 3 W.

Chains

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground to bedrock, in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T40S R3W  
S 9 | S10  
S16 | S15  
1959

Land, S 1/2 mile rough and broken; N 1/2 mile, rolling.  
Soil, sand.  
Timber, medium dense pinion and juniper.

N. 0° 02' W., bet. secs. 9 and 10.

Over rolling land, through medium dense timber on top of No Man's Mesa; asc. 10 ft. over nearly level land.

20.70 N. rim of No Man's Mesa, bears SW. and NE.; thence by triangulation, with topography estimated; desc. about 700 ft. over ledges on precipitous NW. slope.

40.00 Point for the 1/2 sec. cor. of secs. 9 and 10; end of triangulation.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, with brass cap mkd.

T40S R3W  
S 9 | S10  
1959

Raise a mound of stone, 3 1/2 ft. base, 2 ft. high, W. of the iron post.

Cont. over nearly level land in sagebrush flat.

42.60 Jeep road, bears N. 75° W. and irregularly E.; cont. over nearly level land.

49.80 Leave sagebrush flat, enter broken land and scattered timber, bears NW. and SE.; asc. 50 ft. over SW. slope.

54.10 Wash, 12 lks. wide, 6 ft. deep, drains S. 70° W.; asc. 30 ft. over series of spurs putting W.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) on solid sandstone, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T40S R3W  
S 4 | S 3  
S 9 | S10  
1959

Land, rolling and broken.  
Soil, sand and exposed sandstone.  
Timber, scattered pinion, juniper and Ponderosa pine.

N. 0° 02' W., bet. secs. 3 and 4.

Over rolling and broken land, through scattered timber; desc. 20 ft. over NW. slope.

SE

of a Portion of the Subdivision of T. 39 S., R. 3 W.

Chains

3.30

Wash, branch of Buckskin Gulch, 30 lks. wide, 8 ft. deep, drains SW from NE.; asc. 90 ft. over steep S. slope.

12.10

Top of ascent, bears E. and W.; thence by triangulation, with topography estimated. Cont. over barren sandstone cliffs and ledges on precipitous E. wall of Buckskin Gulch.

22.00

High sandstone spur, projects W. about 1 ch. to end; cont. along E. wall of canyon.

40.00

True point for the 1/2 sec. cor. of secs. 3 and 4 falls in an inaccessible position on face of canyon wall.

49.30

Point selected for the witness 1/2 sec. cor. of secs. 3 and 4.  
Drill an iron post, 1 ins. diam., 15 ins. long, 6 ins. in solid sandstone, with brass cap mkd.

T40S R3W  
+  
S4|S3  
W C  
1959

Raise a mound of stone, 3 1/2 ft. base, 2 ft. high, W. of the iron post.

Cont. by triangulation; desc. about 400 ft. over precipitous NW. slope.

67.00

Approximate position of wash in bottom of Buckskin Gulch, 75 lks. wide, 10 ft. deep, drains irregularly SW. from E.; asc. about 150 ft over broken SE. slope.

80.98

Intersect the N. bdy. of the Tp.

Point for the closing cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T39S R3W  
S33  
S4|S3  
C. C.  
T40S  
1959

from which

The original cor. of secs. 3, 4, 33 and 34, bears S. 89° 55' E., 1.32 chs. dist., monumented by an iron post, 3 ins. diam., firmly set, mkd. and witnessed as described in the field notes of the 1911 survey of the S. bdy. of T. 39 S., R. 3 W.

I now alter the brass cap to read as follows:

T39S R3W  
S33|S34  
S 3  
T40S  
1911

Land, rough and broken.  
Soil, shallow sand and exposed sandstone.  
Timber, scattered pinion and juniper and Ponderosa pine.

Survey of a Portion of the Subdivision of T. 40 S. R. 3 W.

Chains

From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., monumented by an iron post, 3 ins. diam., firmly set, mkd. and witnessed as described in the field notes of the 1911 survey of the S. bdy. of T. 39 S., R. 3 W.

S. 0° 01' E., bet. secs. 1 and 2.

Over rolling land, through heavy timber; asc. 130 ft. over steep W. slope.

18.40 Top of ascent on ridge, bears NE. and S. 80° W.; desc. 170 ft. over steep SE. slope.

41.07 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., 10 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T40S R3W

$\frac{1}{4}$   
S2|S1  
1959

Cont. over steep SE. slope; desc. 260 ft.

65.60 Wash, 30 lks. wide, 30 ft. deep, drains SW.; asc. 100 ft. over steep NW. slope.

73.70 Spur, projects S. 60° W.; desc. 80 ft. over steep SE. slope.

81.07 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 bedrock, in a mound of stone, 3 $\frac{1}{2}$  ft. base to top, with brass cap mkd.

T40S R3W

S2|S1  
S11|S12  
1959

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, N $\frac{1}{2}$  mile, dense pinion and juniper; S $\frac{1}{2}$  mile, scattered Ponderosa pine, pinion and juniper.

N. 89° 54' W., bet. secs. 2 and 11.

Over rolling and broken land, through scattered timber; asc. 10 ft. over SE. slope.

11.00 Top of ascent on rocky ridge, bears SW. and N. 60° E.; thence by triangulation, with topography estimated; desc. about 200 ft. over steep NW. slope.

20.10 Wash, 50 lks. wide, 40 ft. deep, drains SW.; asc. about 200 ft. over steep SE. slope.

23.90 Spur, projects S.; thence over cliffs and ledges on S. slope; desc. about 50 ft.

40.00 True point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 11 falls in an inaccessible position on face of cliff.

## Survey of a Portion of the Subdivision of T. 40 S., R. 3 W.

Chains

- 58.39 Spur, projects S. 5° W.  
Point selected for the witness  $\frac{1}{4}$  sec. cor. of secs. 2 and 11.  
Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
- T40S R3W  
 $\frac{1}{4}$   $\frac{S 2}{S11}$  W  
C  
1959
- Deposit a stone, mkd. with a cross (X) at base of iron post.  
End of triangulation; desc. 90 ft. over rolling SW. slope.
- 74.80 Wash, 10 lks. wide, 1 ft. deep, drains SW.; asc. 30 ft. over SE. slope.
- 80.00 Point for the cor. of secs. 2, 3, 10 and 11.  
Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.
- T40S R3W  
 $\frac{S3}{S10}$   $\frac{S2}{S11}$   
1959
- Land, rough and broken.  
Soil, shallow sand.  
Timber, scattered Ponderosa pine, pinion and juniper.
- 
- N. 0° 02' E., bet. secs. 2 and 3.  
Over rolling and broken land, through scattered timber; asc. 160 ft. over steep SE. slope.
- 18.50 Top of ascent, bears NE. and SW.; desc. 250 ft. over steep NW. slope.
- 33.60 Wash, 10 lks. wide, 2 ft. deep, drains S. 30° W. from E.; asc. 110 ft. over steep SE. slope.
- 40.00 True point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 3 falls in an inaccessible position on face of cliff.
- 40.15 Point selected for the witness  $\frac{1}{4}$  sec. cor. of secs. 2 and 3.  
Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
- T40S R3W  
 $\frac{1}{4}$   
S3 S2  
W-C  
1959
- Asc. 270 ft. over steep S. slope.

Survey of a Portion of the Subdivision of T. 40 S., R. 3 W.

Chains

- 48.30 Top of ascent on ridge, bears N. 60° E. and S. 60° W., thence by triangulation, with topography estimated; desc. about 300 ft. over steep N. slope.
- 60.80 Wash in bottom of canyon, 40 lks. wide, 2 ft. deep, drains SW. from N. 60° E.; asc. about 300 ft. over steep S. slope.
- 67.00 Point of spur, projects SE.; asc. about 100 ft. over broken SE. slope.
- 76.10 N. rim of canyon, a ledge about 30 ft. high, bears E. and SW.; end of triangulation; asc. 30 ft. over S. slope.
- 81.02 The cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., monumented by an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the field notes of the 1911 survey of the S. bdy. of T. 39 S., R. 3 W.
- Land, rough and broken.  
Soil, sand and exposed sandstone.  
Timber, scattered Ponderosa pine, piñon and juniper.

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

N. 89° 57' W., bet. secs. 16 and 21.

Over rough and broken wall of No Man's Mesa; by triangulation, with topography estimated; desc. about 600 ft. over ledgy W. slope.

7.00 Small wash, drains SW.; cont. descent 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., 22 ins. in the ground with brass cap mkd.

T40S R3W

$\frac{1}{4}$  S16

S21

1959

Desc. 10 ft. over W. slope.

40.30 Wash, 75 lks. wide, 6 ft. deep, drains S. 70° W.

46.50 Main wash in Buckskin Gulch, 1.50 chs. wide, 12 ft. deep, drains SE. on curve from N.; asc. 150 ft. over E. slope.

53.00 Top of ledges, bears N. 10° E. and S. 10° W.; thence asc. about 380 ft. over steep E. slope.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 3 $\frac{1}{2}$  ft. base to top, with brass cap mkd.

T40S R3W

S17 | S16

S20 | S21

1959

from which

Survey of a Portion of the Subdivision of T. 40 S., R. 3 W.

Chains

A yellow pine, 12 ins. diam., bears N. 20° 00' E., 0.13 lks. dist., mkd. T40S R3W S16 BT.

Cor. is situated at base of cliff about 400 ft. high.

Land, rough and broken.

Soil, sand.

Timber, scattered Ponderosa pine, pinion and juniper.

N. 0° 03' W., bet. secs. 16 and 17.

Over rough and broken land, through scattered timber; asc. abruptly about 400 ft. over ledges facing SE.

- 6.00 Point of mesa, projects E.; thence along ledges on precipitous E. slope; desc. about 800 ft.
- 30.30 Base of descent, bears NW. and SE.; asc. 110 ft. over SE. slope.
- 38.80 Top of ascent, bears E. and W.; desc. 10 ft. over N. slope.
- 40.00 Point for the  $\frac{1}{2}$  sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 15 ins. in the ground, in a collar of stone, with brass cap mkd.

T40S R3W

$\frac{1}{2}$   
S17|S16

1959

Cont. by triangulation with topography estimated; desc. about 200 ft. over broken NE. slope.

- 56.00 Wash, 150 lks. wide, 12 ft. deep, drains irregularly E.; asc. abruptly about 700 ft. over steep S. slope.
- 68.00 S. rim of mesa, bears E. and NW.; asc. about 100 ft. over rolling top of mesa.
- 80.00 Point for the cor. of secs. 8, 9, 16 and 17; end of triangulation.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 10 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T40S R3W

S8|S9  
S17|S16

1959

Land, rough and broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered Ponderosa pine, pinion and juniper; dense growth on top of mesa.

From the cor. of secs. 9, 10, 15 and 16, previously described.

N. 89° 57' W., bet. secs. 9 and 16.

Over rolling top of No Man's Mesa, through heavy timber; by triangulation, with topography estimated; desc. about 20 ft. along N. slope.

a Survey of a Portion of the Subdivision of T. 40 S., R. 3 W.

Chains

8.00 W. rim of No. Man's Mesa, bears NE. and S.; desc. abruptly about 500 ft. over precipitous NW. slope.

40.02 Point for the  $\frac{1}{2}$  sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 20 ins. in the ground to bedrock, with brass cap mkd.

T40S R3W

$\frac{1}{2}$   $\frac{S9}{S16}$

1959

Cont. by triangulation; desc. about 40 ft. over NW. slope.

44.00 Wash, 40 lks. wide, 10 ft. deep, drains S.  $20^\circ$  W. from NE.; asc. about 700 ft. over talus and ledges on precipitous SE. slope.

67.50 E. rim of mesa, bears N.  $15^\circ$  E. and S.  $15^\circ$  W.; end of triangulation; asc. 70 ft. over rolling SE. slope of mesa.

80.04 The cor. of secs. 8, 9, 16 and 17.

Land, rough and broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered Ponderosa pine, pinion, juniper; heavy growth on top of mesa.

From the standard cor. of secs. 32 and 33 on the S. bdy. of the Tp., previously described.

N.  $0^\circ 03'$  W., bet. secs. 32 and 33.

Over gently rolling land, through scattered timber; desc. 100 ft. over gentle N. slope.

40.00 Point for the  $\frac{1}{2}$  sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 20 ins. in the ground, with brass cap mkd.

T40S R3W

$\frac{1}{2}$   $\frac{S32}{S33}$

1959

Cont. over gentle N. slope; desc. 10 ft.

48.50 Fence, 4-strand barbed wire, bears E. and W.

54.50 Wash, 60 lks. wide, 8 ft. deep, drains E.; asc. 20 ft. over S. slope.

63.10 Fence, 4-strand barbed-wire, bears NE. and SW.

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., 20 ins. in the ground, with brass cap mkd.

T40S R3W

$\frac{S29}{S32} | \frac{S28}{S33}$

1959

Land, rolling.

Soil, sand.

Timber, thinly scattered pinion and juniper.

Survey of a Portion of the Subdivision of T. 40 S., R. 3 W.

Chains

From the standard cor. of secs. 31 and 32, on the S. bdy. of the Tp., previously described.

N. 0' 03' W., bet. secs. 31 and 32.

Over rolling land, through thinly scattered timber; asc. 110 ft. over S. slope.

27.70 Base of steep ascent, bears E. and W.; asc. 280 ft. over talus and ledges on steep S. slope.

37.90 Point selected for the witness  $\frac{1}{4}$  sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long,  $2\frac{1}{4}$  ins. diam., over a cross (X) cut on solid sandstone, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T40S R3W

$\frac{1}{4}$   
W C  
S31|S32  
1959

Thence by triangulation with topography estimated; asc. about 770 ft. over ledges on steep S. slope of mesa.

40.00 True point for the  $\frac{1}{4}$  sec. cor. of secs. 31 and 32 falls in an inaccessible position on face of sandstone wall.

45.30 S. rim of mesa, bears E. and W.; thence over rolling top of mesa; end of triangulation; desc. 100 ft. along gentle E. slope.

50.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long,  $2\frac{1}{4}$  ins. diam., 18 ins. in the ground to bedrock, in a collar of stone, with brass cap mkd.

T40S R3W

S30|S29  
S31|S32  
1959

Land,  $S\frac{1}{2}$  mile rolling;  $N\frac{1}{2}$  mile, broken.

Soil, sand.

Timber,  $S\frac{1}{2}$  mile, thinly scattered pinon and juniper;  $N\frac{1}{2}$  mile, scattered pinon, juniper and Ponderosa pine.

From the cor. of secs. 28, 29, 32 and 33.

N. 89' 55' W., bet. secs. 29 and 32.

Over rolling land, through thinly scattered timber; asc. 110 ft. over E. slope.

30.00 Wash, 20 lbs. wide, 6 ft. deep, drains S.  $10^\circ$  W. on curve from W. 85' W.; asc. 70 ft. over E. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long,  $2\frac{1}{4}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

T40S R3W

$\frac{1}{4}$  S29  
S32  
1959

Survey of a Portion of the Subdivision of T. 40 S., R. 3 W.

Chains

Asc. 940 ft. over precipitous E. wall of mesa.

67.90 E. rim of mesa, bears NW. and SW.; desc. 20 ft. over rolling top of mesa.

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

Land, E $\frac{1}{2}$  mile rolling; W $\frac{1}{2}$  mile rough and broken.

Soil, sand.

Timber, scattered pinion and juniper.

GENERAL DESCRIPTION

T. 40 S., R. 3 W. is drained by two main drainages. In the east, a fingerlike group of washes, forming the head of Kitchen Canyon at their confluence, drains the land southeastward to the Paria River several miles east. The west portion of this township is drained south by Buckskin Gulch. No permanent supply of water was found within the township.

Extensive areas of sagebrush flats and brush covered sand dunes are found in the south and southeast portions of the township. In the center of the township No Man's Mesa rises abruptly over 1,000 feet above the surrounding land. There is an old trail leading to the top at the north end of this mesa. On top is evidence showing the mesa top had been used for winter goat grazing in years past.

Similar high benchland is found in the extreme west portion. These highland areas enjoy dense growths of Ponderosa pine, pinion and juniper, interspersed with high sagebrush flats.

A dirt road, leading from Cannonville, via Johnson Creek, to Glendale and Kanab,\* passes near the northwest corner of the township. Accessibility to other portions of the township is difficult at best.

Canada

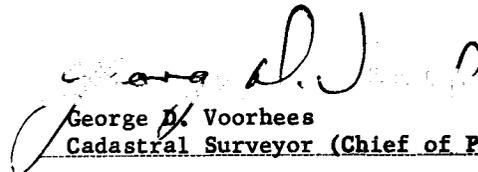


## CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, HEREBY CERTIFY upon honor  
 pursuance of special instructions bearing date of the 28th day of August,  
 I have ~~surveyed~~ independently resurveyed the west boundary of T. 40 S. R. 2 W. and  
the south and west boundaries and a survey of a portion of the subdivision of  
 T. 40 S., R. 3 W.

of the Salt Lake Meridian, in the State of Utah, which are  
 represented in the foregoing field notes as having been executed by me and under my direction; and that  
 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the  
 Survey of the Public Lands of the United States, and in the specific manner described in the foregoing  
 field notes.

Salt Lake City, Utah  
May 17, 1960

  
 George D. Voorhees  
 Cadastral Surveyor (Chief of Party)

### CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
 Washington, D. C., APR 17 1961, 1961

The foregoing field notes of the ~~survey of~~ independent resurvey of the west boundary of  
T. 40 S., R. 2 W. and the south and west boundaries and survey of a portion of the  
subdivision of T. 40 S., R. 3 W., Salt Lake Meridian, Utah

executed by George D. Voorhees, Cadastral Surveyor (Chief of Party)  
Boyd S. Owens, Cadastral Surveyor (Associate)  
Donald A. Cannon, Cadastral Surveyor (Associate)  
 having been critically examined and found correct, are hereby approved.

  
 Cadastral Engineering Staff Officer.

### CERTIFICATE OF TRANSCRIPT

R. 3 W., SLM, Utah, is a true copy of the original

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 1 NORTH, RANGE 14 WEST

Of the Salt Lake Meridian,

in State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

per special instructions dated August 22, 1960, which provided

the surveys included under Group No. 441, approved September 6, 1960

assignment instructions dated September 6, 1960

Survey commenced October 19, 1960

Survey completed October 21, 1960

# INDEX DIAGRAM

Township 1 North, Range 14 West

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30	29	28 2	27	26	25
31 7	8 32 7	33 2	34	35 1	2 36

Township 1 North, Range 14 West

Chains

The east, north, west boundaries (and south boundary (Salt Lake Base Line)) were surveyed by Andrew Nelson in 1925.

The following field notes are those of the survey of a portion of the subdivision deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley Solar Transit No. 541325 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 this 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 one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method.

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 40° 46' 04.29" N. and longitude 113° 22' 15.08" W., as adjusted from traverses to U.S.C. & G.S. triangulation station "Clive."

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 45' East.

Survey of a Portion of the Subdivision of T. 1 N., R. 14 W.

Beginning at the standard cor. of secs. 35 and 36, on the S. bdy. of the Tp., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

N. 0° 01' W., bet. secs. 35 and 36.

Over level alkali desert land.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with ¼ T1N R14W on the N. face, S35 on the W. face and S36 on E. face.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1N R14W S25 on NE. face, S26 on NW. face, S35 on SW. face and S36 on SE. face.

## Survey of a Portion of the Subdivision of T. 1 N., R. 14 W.

Chains

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

Land, level.

Soil, damp clay with alkali.

Undergrowth, none.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

West, bet. secs. 25 and 36.

Over level alkali desert land.

40.03 Point for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 36.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1N R14W on W. face, S36 on S. face and S25 on N. face.

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

80.06 The cor. of secs. 25, 26, 35 and 36.

Land, level.

Soil, muddy clay with alkali.

Undergrowth, very little.

From the standard cor. of secs. 33 and 34, on the S. bdy. of the Tp. monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

N. 0° 02' W., bet. secs. 33 and 34.

Over level desert land.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 33 and 34.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1N R14W on N. face, S33 on W. face and S34 on E. face.

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

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1N R14W S27 on NE. face, S28 on NW. face, S33 on SW. face and S34 on SE. face.

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

Land, level.

Soil, damp clay with alkali.

Undergrowth, none.

N. 0° 02' W., bet. secs. 27 and 28.

Over level alkali desert land.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 27 and 28.

Survey of a Portion of the Subdivision of T. 1 N., R. 14 W.

Chains

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{2}$  T1N R14W on N. face, S28 on W. face and S27 on E. face.

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

80.00

Point for the cor. of secs. 21, 22, 27 and 28.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1N R14W S22 on NE. face, S21 on NW. face, S28 on SW. face and S27 on SE. face.

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

Land, level.

Soil, damp clay with alkali.

Undergrowth, none.

N.  $0^{\circ} 02'$  W., bet. secs. 21 and 22.

Over level alkali desert land.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 21 and 22.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{2}$  T1N R14W on N. face, S21 on W. face and S22 on E. face.

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

80.00

Point for the cor. of secs. 15, 16, 21 and 22.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1N R14W S15 on NE. face, S16 on NW. face, S21 on SW. face and S22 on SE. face.

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

Land, level.

Soil, muddy clay.

Undergrowth, none.

N.  $0^{\circ} 02'$  W., bet. secs. 15 and 16.

Over level alkali desert land.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 15 and 16.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{2}$  T1N R14W on N. face, S16 on W. face and S15 on E. face.

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

80.00

Point for the cor. of secs. 9, 10, 15 and 16.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1N R14W S10 on NE. face, S9 on NW. face, S16 on SW. face and S15 on SE. face.

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

Land, level.

Soil, damp clay with alkali.

Undergrowth, none.

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Survey of a Portion of the Subdivision of T. 1 N., R. 14 W.

Chains

N. 0° 02' W., bet. secs. 9 and 10.

Over level desert land.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 9 and 10.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  TIN R14W on N. face, S9 on W. face and S10 on E. face.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

80.00

Point for the cor. of secs. 3, 4, 9 and 10.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with TIN R14W S3 on NE. face, S4 on NW. face, S9 on SW. face and S10 on SE. face.

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

Land, level.

Soil, muddy clay with alkali.

Undergrowth, none.

N. 0° 17' E., bet. secs. 3 and 4.

Over level alkali desert land.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 3 and 4.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  TIN R14W on N. face, S4 on W. face and S3 on E. face.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

85.13

The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

Land, level.

Soil, muddy clay with alkali.

Undergrowth, none.

From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

S. 0° 01' E., bet. secs. 2 and 3.

Over level alkali desert land.

45.14

Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 3.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  TIN R14W on N. face, S3 on W. face and S2 on E. face.

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

85.14

Point for the cor. of secs. 2, 3, 10 and 11.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with TIN R14W S2 on NE. face, S3 on NW. face, S10 on SW. face and S11 on SE. face.

Survey of a Portion of the Subdivision of T. 1 N., R. 14 W.

Chains

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, muddy clay with alkali.

Undergrowth, none.

East, bet. secs. 2 and 11 on a course calculated to be bet. the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.

Over level desert land.

40.00

Point for the ¼ sec. cor. of secs. 2 and 11.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with ¼ T1N R14W on W. face, S11 on S. face and S2 on N. face.

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

80.00

Point for the cor. of secs. 1, 2, 11 and 12.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1N R14W S1 on NE. face, S2 on NW. face, S11 on SW. face and S12 on SE. face.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, clay with alkali.

Undergrowth, none.

North, bet. secs. 1 and 2.

Over level alkali desert land.

40.00

Point for the ¼ sec. cor. of secs. 1 and 2.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with ¼ T1N R14W on N. face, S2 on W. face and S1 on E. face.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

85.15

The cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

Land, level.

Soil, muddy clay with alkali.

Undergrowth, none.

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

West, bet. secs. 16 and 21.

Over level alkali desert land.

40.00

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 1 N., R. 14 W.

Chains

T1N R14W  
¼ S16  
S21  
1960

80.00

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Point for the cor. of secs. 16, 17, 20 and 21.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1N R14W S16 on NE. face, S17 on NW. face, S20 on SW. face and S21 on SE. face.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, level:  
Soil, muddy clay with alkali.  
Undergrowth, none.

40.00

N. 0° 03' W.; bet. secs. 16 and 17.

Over level alkali desert land.

Point for the ¼ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1N R14W  
¼  
S17 S16  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

80.00

Point for the cor. of secs. 8, 9, 16 and 17.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1N R14W S9 on NE. face, S8 on NW. face, S17 on SW. face and S16 on SE. face.

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

Land, level:  
Soil, muddy clay with alkali.  
Undergrowth, none.

40.00

From the cor. of secs. 9, 10, 15 and 16.

West, bet. secs. 9 and 16.

Over level alkali desert land.

Point for the ¼ sec. cor. of secs. 9 and 16.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with ¼ T1N R14W on W. face, S9 on N. face and S16 on S. face.

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

80.00

The cor. of secs. 8, 9, 16 and 17.

Survey of a Portion of the Subdivision of T. 1 N., R. 14 W.

Chains

Land, level.  
Soil, muddy clay with alkali.  
Undergrowth, none.

From the standard cor. of secs. 32 and 33 on the S. bdy. of the Tp. monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 32 and 33.

Over level desert land.

40.00 Point for the 1/4 sec. cor. of secs. 32 and 33.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with 1/4 TIN R14W on N. face, S32 on W. face and S33 on E. face.

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

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with TIN R14W S28 on NE. face, S29 on NW. face, S32 on SW. face and S33 on SE. face.

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

Land, level.  
Soil, muddy clay with alkali.  
Undergrowth, none.

From the standard cor. of secs. 31 and 32, on the S. bdy. of the Tp., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 31 and 32.

Over level alkali desert land.

40.00 Point for the 1/4 sec. cor. of secs. 31 and 32.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with 1/4 TIN R14W on N. face, S31 on W. face and S32 on E. face.

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

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with TIN R14W S29 on NE. face, S30 on NW. face, S31 on SW. face and S32 on SE. face.

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

Land, level.  
Soil, muddy clay with alkali.  
Undergrowth, none.

Survey of a Portion of the Subdivision of T. 1 N., R. 14 W.

Chains

From the cor. of secs. 28, 29, 32 and 33.  
West, bet. secs. 29 and 32.  
Over level desert land.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 29 and 32.  
Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed  
with  $\frac{1}{4}$  T1N R14W on W. face, S29 on N. face and S32 on S. face.  
Raise a mound of stone,  $2\frac{1}{2}$  ft. base, 2 ft. high, N. of cor.

80.00

The cor. of secs. 29, 30, 31 and 32.  
Land, level.  
Soil, muddy clay with alkali.  
Undergrowth, none.

General Description

T. 1 N., R. 14 W. lies within the Great Salt Lake Desert and consists  
entirely of level desert land.

The soil is clay and the water table being near the surface it is  
muddy and alkali. There is very little vegetation within the township.

There are no roads within the township, but most of the township can  
be traveled by vehicle in dry seasons.

The elevation is about 4235 feet above sea level. No springs or fresh  
water were noted during the survey.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES

CAPACITY

James R. Deegan

Transitman

W. H. Deegan

Notekeeper

W. H. Deegan

Front Chain

W. H. Deegan

Flagman

W. H. Deegan

Cornerman

W. H. Deegan Bland

Cornerman

# CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 22nd day of August, 1961

I have surveyed a portion of the subdivision of T. 1 N., R. 14 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah  
February 3, 1961

  
Craig P. Sylvester  
Cadastral Surveyor

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., MAY 1 1962, 19

The foregoing field notes of the survey of a portion of the subdivision of T. 1 N., R. 14 W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

  
Chief, Division of Engineering

## CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 1 N., R. 14 W., SLM, Utah, is a true copy of the original field notes.~~

~~Cadastral Engineering Staff Officer~~

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

# FIELD NOTES

OF THE

SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 1 NORTH, RANGE 14 $\frac{1}{2}$  WEST

Of the Salt Lake Meridian,

of the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated August 22, 1960, which provided

for the surveys included under Group No. 441, approved September 6, 1960.

Assignment instructions dated September 6, 1960.

Survey commenced October 19, 1960.

Survey completed October 19, 1960.

# 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
					1
31	32	33	34	35	36

Township 1 North, Range 14½ West

Chains

The east, north, west and south (Salt Lake Base Line) boundaries were surveyed by Andrew Nelson in 1925.

The following field notes are those of a survey of a portion of the subdivision deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley Solar Transit No. 541325, 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 one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method.

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 40° 46' 04.29" N. and longitude 113° 29' 06.71" W. as adjusted from traverses to USC & G. S. triangulation station "Clive."

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 45' East.

Survey of a Portion of the Subdivision of T. 1 N., R. 14½ W.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

S. 89° 58' W., bet. secs. 25 and 36.

Over level alkali desert land.

Point for the ¼ sec. cor. of secs. 25 and 36.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with ¼ T1N R14½ W on W. face, S36 on S. face and S25 on N. face.

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

Cont. over level desert land.

40.00

Survey of a Portion of the Subdivision of T. 1 N., R. 14½ W.

Chains

48.06 The cor: of secs. 25 and 36 on the W. bdy. of the Tp., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

Land, level.

Soil, muddy clay with alkali.

Undergrowth, none.

General Description

T. 1 N., R. 14½ W. lies within the Great Salt Lake Desert and consists entirely of level land.

The soil is clay and the water level being very near the surface is muddy and very alkali.

There is very little vegetation on the township. There are no roads but it can be traveled easily in dry seasons. The elevation is about 4230 feet above sea level. No springs or fresh water were found within the township.

1980

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
.....	Transitman
.....	Notekeeper
D. Carter	Front Chairman
.....	Flagman
E. Blackburn	Cornerman
D. Bland	Cornerman
.....	
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Bureau of Land Management



# CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that in pursuance of special instructions bearing date of the 22nd day of August, 1961

I have surveyed a portion of the Subdivision of T. 1 N., R. 14 1/2 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah  
February 6, 1961

  
Craig P. Sylvester  
Cadastral Surveyor

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., MAY 1 1962, 1962

The foregoing field notes of the survey of a portion of the subdivision of T. 1 N., R. 14 1/2 W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

  
Cadastral Engineering Staff Officer  
Chief, Division of Engineering

## CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above described surveys in T. 1 N., R. 14 1/2 W., SLM, Utah, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY

AND

THE SURVEY OF THE WEST AND NORTH BOUNDARIES

AND

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 2 NORTH, RANGE 17 WEST

Of the Salt Lake Meridian,

State of Utah

EXECUTED BY

Boyd S. Owens, Cadastral Surveyor

er special instructions dated July 28, 1960, which provided

the surveys included under Group No. 442, approved July 28, 1960

assignment instructions dated July 29, 1960

Survey commenced August 12, 1960

Survey completed August 31, 1960

# INDEX DIAGRAM

Township 2 North, Range 17 West  
 16                      15                      14                      13                      12                      12

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

## Township 2 North, Range 17 West

Chains

The south boundary of T. 2 N., R. 17 W. was surveyed by A. J. Stookey in 1907, and the record thereof appears in the field notes of T. 1 N., R. 17 W. The east boundary was surveyed by A. Nelson in 1926 and its record appears in the field notes of the survey of the west boundary of T. 2 N., R. 16 W.

The following field notes are those of a dependent resurvey of the south boundary and an original survey of the west and north boundaries and a portion of the subdivision of T. 2 N., R. 17 W.

The survey was executed with W. & L. E. Gurley solar transit No. 591189, 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 this survey.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximate. 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.

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.

Before restoring the corners on the line resurveyed, the lines of the original survey were retraced and diligent search made for any evidence of the original corners and other calls of the original field note record. When duly identified the corner positions were remonumented and new accessories taken.

The rules of proportionate measurement were applied in order to ascertain the position of lost corners, after completing the necessary retracements to connect with the identified corner locations, but not until exhausting every reasonable possibility of finding direct evidence for the control of each particular corner. The true lines thus adjusted to the identified original evidence were then duly run.

The retracement data were submitted for office examination and verification prior to the conclusion of the field work. In order to simplify the record the true line notes only are supplied herewith, which refer to the completed resurvey.

The geographic position for the southeast corner of the township is at latitude  $40^{\circ} 51' 50''$  N. and longitude  $113^{\circ} 43' 31.7''$  W., as adjusted from traverse to U.S.C. & G.S. triangulation station "Silver."

Township 2 North, Range 17 West

Chains

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 17° 30'

Dependent Resurvey of the South Boundary of T. 2 N., R. 17 W.

Reestablishment of the survey executed by A. J. Stookey in 1907.

Beginning at the cor. of Tps. 1 and 2 N., Rs. 16 and 17 W., monumented by a fir post, 4 inx. square, set, mkd. and witnessed as described in the official record.

West, bet. secs. 1 and 36.

Over level salt flats; salt about 3 ins. thick.

40.01 The 1/4 sec. cor. of secs. 1 and 36, as determined by glass deposit.

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground for 1/4 sec. cor., mkd.

1/4 S36 on N. face  
S 1 on S. face

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist.

Deposit the original glass deposit in the hole alongside the fir post.

West, bet. secs. 1 and 36, beginning new measurement.

Over level salt flats.

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

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with fir post mkd.

T2N S36 on NE.  
R17W S1 on SE.  
T1N S2 on SW.  
S35 on NW.; with 1 notch on E. and 5 notches on W. edges.

Deposit glass at base of monument.

Land, level salt bed.

Soil, about 3 ins. of salt on surface, wet clay underneath.  
No vegetation.

West, bet. secs. 2 and 35.

Over barren salt bed; salt about 3 ins. thick.

40.01 Point for the 1/4 sec. cor. of secs. 2 and 35, at proportionate dist.; there is no remaining evidence of the original cor.

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

1/4 S35 on N. face  
S2 on S. face.

the South Boundary of T. 2 N., R. 17 W.

Chains

Deposit glass at the base of the monument.

West, bet. sects. 2 and 3, beginning new measurement.

Cont. over level salt bed.

80.02 Point for the cor. of sects. 2, 3, 34 and 35, at proportionate dist.; there is no remaining evidence of the original cor.

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T2N 835 on NE. face  
R17W 82 on SE. face  
T1N 83 on SW. face  
S34 on NW. face; with 2 notches on E. and 4 notches on W. edges.

Deposit glass at the base of the monument.

Land, level salt bed.

Soil, about 2 ins. of salt on surface, clay underneath.  
No vegetation.

West, bet. sects. 3 and 34.

Over level alkali flats, leave crusted salt.

40.01 The  $\frac{1}{2}$  sec. cor. of sects. 3 and 34, mkd. by a wooden stake and old piece of water pipe, firmly set in the E. pit; unable to read the markings on the wooden stake.

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

$\frac{1}{2}$  S34 on N. face  
S 3 on S. face

Deposit glass and tin cans at base of monument

S. 89° 58' W., bet. sects. 3 and 34, beginning new measurement.

Over barren level alkali land.

40.01 The cor. of sects. 3, 4, 33 and 34, mkd. by a wooden stake, 2 ins. square and an old piece of water pipe; the wooden stake in the SE. quadrant is still in place but dimly mkd.

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T2N 834 on NE.  
R17W 83 on SE.  
T1N 84 on SW.  
S33 on NW. face; with 3 notches on E. and W. edge.

Dependent Resurvey of the South Boundary of T. 2 N., R. 17 W.

Chains

Deposit old corner material in hole alongside the fir post.

Land, level alkali bed.  
Soil, alkaline with heavy, wet clay subsoil.  
No vegetation.

S. 89° 56' W., bet. secs. 4 and 33.

Over level alkali land.

40.00

The ¼ sec. cor. of secs. 4 and 33, mkd. by a piece of water pipe, 1½ ins. diam., with a wooden stake firmly set 4 ft. E. of cor.

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

¼ S33 on N.  
S 4 on S. faces.

Deposit old cor. material alongside the fir post; leave stake set E. of the cor. in position.

S. 89° 56' W., bet. secs. 4 and 33, beginning new measurement.

Over level alkali flat.

40.00

The cor. of secs. 4, 5, 32 and 33, mkd. by a wooden stake and an old piece of pipe, with wooden stake firmly set in the SE. quadrant.

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T2N S33 on NE.  
R17W S4 on SE.  
T1N S5 on SW.  
S32 on NW. faces; with 4 notches on E. and 2 notches on W. edges.

Deposit glass at base of monument and old cor. material alongside the post; leave stake in place in SE. quadrant.

Land, level alkali flat.  
Soil, alkaline with heavy wet clay subsoil.  
No vegetation.

S. 89° 55' W., bet. secs. 5 and 32.

Over level alkali land.

40.00

The ¼ sec. cor. of secs. 5 and 32, mkd. by a glass deposit, with stake firmly set E. of the cor.; unable to read markings on the wooden stake.

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

Dependent Resurvey of the South Boundary of T. 2 N., R. 17 W.

Chains

1/4 S32 on N.  
S 5 on S. faces.

Deposit glass at the base of the monument; leave the stake in the E. pit in position.

S. 89° 55' W., bet. secs. 5 and 32, beginning new measurement.

Over level alkali land.

40.00 The cor. of secs. 5, 6, 31 and 32, mkd. by a glass deposit in a mound of earth with a wooden stake firmly set SE. of the cor.; unable to read the markings on the wooden stake.

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T2N S32 on NE.  
R17W S5 on SE.  
T1N S6 on SW.  
S31 on NW. face; with 5 notches on the E. and 1 notch on the W. edges.

Deposit glass in the hole and leave the stake in the SE. quadrant in position.

Land, level alkali flat.

Soil, alkali and heavy, wet clay subsoil.

No vegetation.

S. 89° 55' W., bet. secs. 6 and 31.

Over level alkali land; no vegetation.

11.80 Enter low brush and hummocks, bears NE. and SW.

39.99 The 1/4 sec. cor. of secs. 6 and 31, mkd. by a glass deposit in a mound of earth and a wooden stake, 4 ft. E. of the cor.; unable to read the markings on the wooden stake.

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

1/4 S31 on N.  
S 6 on S. faces.

Deposit glass at the base of the monument; leave the stake E. of the cor. in position.

N. 89° 59' W., bet. secs. 6 and 31, beginning new measurement.

Over low hummocks and brush.

31.20 Small wash, drains from several channels northerly to SE.

36.50 Small wash, drains irregularly SE.

39.82 The Tp. cor. of Tps. 1 and 2 N., Rs. 17 and 18 W., mkd. by a stone, 15x10x8 ins., firmly set and plainly mkd. with 6 notches on each edge.

## Dependent Resurvey of the South Boundary of T. 2 N., R. 17 W.

Chains

with a mound of earth S. of the cor.

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T2N S31 on NE.

R17W S6 on SE.

T1N S1 on SW.

R18W S36 on NW. face; with 6 notches on each edge.

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of the cor.

Deposit the original stone cor. in the mound.

Land, nearly level.

Soil, alkaline, with heavy clay subsoil.

Timber, none.

Undergrowth, moderate low salt brush.

## Survey of the West Boundary of T. 2 N., R. 17 W.

From the cor. of Tps. 1 and 2 N., Rs. 17 and 18 W., previously described.

North, bet secs. 31 and 36.

Over nearly level alkaline flat, through scattered to moderate salt brush.

4.50 Road, bears NE. and SW.; asc. 10 ft.

27.00 Leave alkaline land, enter rocky land facing S.; asc. 10 ft.

32.90 Road, bears N. 80° E. and S. 80° W.; asc. 30 ft. over S. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

T2N

R18W R17W

S36 | S31

1960

By triangulation; asc. 800 ft. over S. slope of high, rocky, barren spur.

77.80 End of triangulation on broken spur sloping SW.; numerous spires and rocky outcrops along the crest of the spur; desc. 40 ft. over steep rocky NW. slope.

80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 15 ins. long, 1 in. diam., 6 ins. in a drill hole in solid limestone and in a mound of stone, 3 ft. base to top, with brass cap mkd.

Survey of the West Boundary of T. 2 N. R. 17 W.

Chains

T2N  
R18W R17W  
S25 | S30  
S36 | S31  
1960

Land, mountainous on N. 53.00 chs.; alkali flat on remainder.  
Soil, rocky and gravel with exposed limestone on mountains, alkali and clay on remainder.  
Timber, none.  
Undergrowth, scattered to moderate salt brush.

North, bet. secs. 25 and 30.

Over steep, broken mountainous land.

By triangulation, topography as estimated; desc. about 200 ft. over broken, rocky NW. slope.

8.00 Draw, drains SW.; asc. about 580 ft. over steep broken SE. slope.

27.10 End of triangulation on broken spur sloping SW.; desc. 250 ft. over broken NW. slope.

36.00 Draw, drains SW., heads about 5.00 chs. to E.; asc. 60 ft. over S. slope.

39.00 Spur, slopes W.; desc. 10 ft. over N. 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., 6 ins. in the ground, in a mound of stone, 3 $\frac{1}{2}$  ft. base to top, with brass cap mkd.

T2N  
R18W R17W  
 $\frac{1}{2}$   
S25 | S30  
1960

Cont. by triangulation, topography as estimated.

Desc. about 50 ft. over N. slope.

42.00 Small draw, near head, drains SW.; asc. about 160 ft. over broken SE. slope.

46.00 Spur, slopes SW.; desc. about 100 ft. over broken N. slope.

55.00 Hollow, drains W., heads about 10.00 chs. E.; asc. about 350 ft. over steep, rocky SE. slope.

66.30 End of triangulation on spur sloping SW.; desc. 370 ft. over broken N. slope.

76.00 Bottom of rocky draw, drains W.; heads about 4.00 chs. E.; asc. 130 ft. over S. slope.

78.20 Finger spur, slopes W.; desc. 60 ft. over steep N. slope.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 20 ins. long, 1 in. diam., over a cross (X) cut in solid limestone and in a large mound of stone to top, with brass cap mkd.

Survey of the West Boundary of T. 2 N., R. 17 W.

Chains

T2N  
R18W R17W  
S24 | S19  
S25 | S30  
1960

Land, broken mountains on W. slope of "Silver Island Range."  
Soil, mostly slide rock and exposed limestone.  
Timber, none.  
Undergrowth, scattered brush and bunch grass.

North, bet. secs. 19 and 24.

Over rocky, mountainous land.

Desc. 120 ft. over steep, broken N. slope.

4.00 Rocky gully, drains W.; heads about 6.00 chs. E.; asc. 40 ft. over S. slope.

6.30 Spur, slopes W. about 10.00 chs. to end; desc. 110 ft. over N. slope.

10.50 Rocky gully, drains W., heads about 8.00 chs. E.; asc. 130 ft. over rocky S. slope.

21.00 Large spur, slopes W. about 3.00 chs.; desc. 190 ft. over broken N. slope.

28.00 Ravine, steep, sloping sides, drains W., heads about 7.00 chs. E.; asc. 60 ft. over S. slope.

31.80 Finger spur, slopes W.; desc. 10 ft. along W. slope of spur.

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 limestone, in a mound of stone,  $3\frac{1}{2}$  ft. base to top, with brass cap mkd.

T2N  
R18W R17W  
 $\frac{1}{4}$   
S24 | S19  
1960

The cor. is located on W. slope of spur sloping W. about 5.00 chs. to end.

Asc. 30 ft. along rolling W. slope.

55.50 Rocky spur, projects W. 2.00 chs. dist.; asc. 10 ft. along W. slope.

62.80 Begin descent over rocky N. slope; desc. 120 ft.

72.70 Wash, 1.00 ch. wide, 6 ft. deep, drains N.  $70^\circ$  W.; asc. 70 ft. over SW. slope.

77.80 Spur, slopes W.; desc. 10 ft. over NW. slope.

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., 12 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

of the West of T. 2 N. R. 17 W.

Chains

T2N  
R18W R17W  
S13|S18  
S24|S19  
1960

From this cor. the chimney on an old cabin, bears N. 85° 47' W., 8.07 chs. dist.

Land, low rolling spurs and draws, on the W. slope of "Silver Island Mountains."

Soil, rocky clay and limestone.

Timber, none.

Undergrowth, scattered to moderate salt brush and grass.

North, bet. secs. 13 and 18.

Over rolling mountainous land.

Desc. 40 ft. over NW. slope.

3.00 Small wash, drains S. 70° W. to junction with larger wash 50 links S. of old cabin; asc. 70 ft. over S. slope.

13.60 Top of ascent, slopes W.; desc. 20 ft. over NW. slope.

19.20 Wash, drains W.; desc. 160 ft. over rolling land with W. drainage and exposure.

37.30 Wash, 50 lks. wide, 3 ft. deep, drains W., leave mountain land; desc. 20 ft. over rolling brush flat.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 20 ins. in the ground, with brass cap mkd.

T2N  
R18W R17W  
 $\frac{1}{4}$   
S13|S18  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

40.10 Small wash, drains W.; desc. 10 ft.

45.40 Road, bears N. 10° E. and S. 30° W.

47.10 Wash, 10 lks. wide, 3 ft. deep, drains W.; desc. 40 ft. over brush covered flat.

64.30 Wash, 50 lks. wide, 3 ft. deep, drains W.; cont. over gentle rolling land.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 20 ins. in the ground, with brass cap mkd.

T2N  
R18W R17W  
S12|S 7  
S13|S18  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

of the West of T. 24 N. R. 17 W.

Chains

Land, rolling on S. 1/4 mile, nearly level on remainder. Soil, rocky clay loam and gravel. Timber, none. Undergrowth, moderate salt brush, shadscale and grass.

North, bet. secs. 7 and 12.

Over gentle rolling brush flat.

- 1.70 Small wash, drains W.
- 2.50 Jeep road, bears irregularly N. and S.
- 4.40 Large wash, drains W.
- 25.30 Wash, 30 lks. wide, 6 ft. deep, drains W.; desc. 20 ft.
- 36.80 Wash, 50 lks. wide, 2 ft. deep, drains W.
- 38.20 Road, bears E. and 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., 20 ins. in the ground with brass cap mkd.

T2N  
R18W R17W  
1/4  
S12 | S 7  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

- 48.60 Large wash, drains W.; asc. 10 ft.
- 54.70 Large wash, drains S. 80° W.; asc. 70 ft. over S. slope.
- 69.80 Top of ascent on E. slope of knoll; desc. 150 ft. over steep broken NE. slope.
- 80.00 Point for the cor. of secs. 1, 6, 7 and 12.  
Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground with brass cap mkd.

T2N  
R18W R17W  
S1 | S6  
S12 | S 7  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, rolling, mountainous on N. 1/4 mile. Soil, rocky clay loam. Timber, none. Undergrowth, moderate low brush, shadscale and grass.

Survey of the West Boundary of T. 2 N., R. 17 W.

Chains

North, bet. secs. 1 and 6.

Over rolling land:

- 5.40 Wash, 1.00 ch. wide, 1 ft. deep, drains W.; asc. 40 ft. over S. slope.
- 8.00 Top of ascent, bears E. and W.; desc. 10 ft. over N. slope.
- 11.70 Wash, 1.00 ch. wide, 1 ft. deep, drains irregularly W.; asc. 100 Ft. over SE. slope.
- 18.70 Top of ascent; rocky knoll bears 1.00 ch. W.; desc. 120 ft. over NW. slope.
- 32.80 Wash, 30 lks. wide, 2 ft. deep, drains SW.; asc. 30 ft. over S. slope.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 6.

Set an iron post, 36 ins. long, 1 in. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T2N  
R18W R17W  
 $\frac{1}{4}$   
S1 | S6  
1960

Asc. 70 ft. over S. slope.

- 45.40 Rocky spur, projects W.; desc. 60 ft. over NW. slope.
- 53.20 Wash, 50 lks. wide, 1 ft. deep, drains SW.; asc. 130 ft. over SE. slope.
- 61.90 Spur, slopes SW. about 6.00 chs. to end.; desc. 60 ft. over NW. slope.
- 66.60 Gully, drains SW., heads about 6.00 chs. NE.; asc. 260 ft. over steep rocky S. slope.
- 74.30 Ridge top, bears sharply S. 60° W. and irregularly NE.; desc. 180 ft. over steep ledgy N. slope.

- 80.29 Point for the Tp. cor. of Tps. 2 and 3 N., Rs. 17 and 18 W., W. of the Tp. cor. of Tps. 2 and 3 N., Rs. 16 and 17 W.

Set an iron post, 12 ins. long, 1 in. diam., 6 ins. in drill hole in hard limestone rock, with brass cap mkd.

T3N  
R18W R17W  
S36 | S31  
S1 | S6  
T2N  
1960

Chisel an "XBO" in solid limestone SW. .06 lks. dist.

The cor. is located on top of rocky ledge facing N. about 50 ft. high.

Land, rolling and broken.  
Soil, rocky clay loam and limestone.  
Timber, none.  
Undergrowth, scattered to moderate salt brush, shadscale and grass.

## Survey of the North Boundary of T. 2 N., R. 17 W.

Chains

Beginning at the cor. of Tps. 2 and 3 N., Rs. 16 and 17 W., monumented by an iron post, 3 ins. in diam., set, mkd. and witnessed as described in the official record.

West, bet. secs. 1 and 36.

Over high broken mountainous land with numerous vertical ledges and pinnacles.

By triangulation, topography estimated.

Desc. about 100 ft. over rocky SW. slope.

- 4.00 Bottom of canyon, drains SE.; asc. about 890 ft. over steep, broken ledgy E. slope.
- 39.50 End of triangulation on S. slope of rocky outcrop projecting E.
- 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. diam., 4 ins. in the ground to bedrock, in a mound of stone,  $3\frac{1}{2}$  ft. base to top, with brass cap mkd.

T3N R17W

$\frac{1}{4}$  S36  
S 1  
T2N  
1960

Cont. by triangulation, topography estimated; asc. 10 ft. along S. slope.

- 45.00 Slope changes to E.; asc. about 540 ft. over limestone outcrops and nearly vertical ledges.
- 53.50 End of triangulation on high, broken ridge, bears irregularly N. and S.; asc. 10 ft.
- 54.00 End of rocky outcrop, bears S. and breaks off sharply N.; desc. 170 ft. over ledges facing W.
- 56.00 Base of ledges, cont. along broken S. slope.
- 61.60 Slope changes to ledgy SE.; asc. 60 ft.
- 69.60 Broken exposed limestone spur, projects SW.; desc. 420 ft. over broken ledgy land facing NW.; considerable slide rock on slope.
- 80.00 True point for the cor. of secs. 1, 2, 35 and 36 falls in the head of gulch, 20 ft. deep, 10 ft. wide, drains N. about 2 chs., thence SW. where it is impractical to set the cor.

Land, rolling and broken limestone outcrops, ledges and pinnacles. Soil, mistly exposed limestone and sliderock. Timber, scattered juniper.

West, bet. secs. 2 and 35.

Over broken mountainous land.

Asc. 20 ft. over ledge facing E.

- .30 Top of ledge.

Survey of the North Boundary of T. 2 N., R. 17 W.

Chains

.50

Point selected for the witness cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam. on broken limestone and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T3N R17W  
 S35 | S36 W  
 S2 | S1 C  
 T2N  
 1960

Desc. 250 ft. over exposed limestone on steep W. slope.

8.30 Canyon rim, bears N. 15° E. and S. 15° W.; desc. 210 ft. over ledges facing W.

12.50 Bottom of rocky canyon, drains S. 15° W.; asc. 90 ft. over broken SE. slope.

18.60 Rocky spur, slopes SW.; desc. 310 ft. over steep rocky NW. slope.

27.00 Small wash, drains SW., circling to SE.; asc. 200 ft. over SE. slope, through scattered to moderate juniper.

40.00 Point for the ¼ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T3N R17W  
 ¼ S35  
 S. 2  
 T2N  
 1960

Asc. 70 ft.

44.40 Small rocky knoll, red in color; desc. 320 ft. over steep rolling land facing NW.

68.70 Road, bears irregularly NE. and SW., leave juniper; desc. 40 ft. over bottom of valley bearing NE. and irregularly S.

79.30 Small wash, drains S. 20° E., circling to SW.

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.

T3N R17 W  
 S34 | S35  
 S3 | S2  
 T2N  
 1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, mountainous on E. 69.00 chs., gently rolling on remainder.

Soil, rocky clay and gravel, exposed limestone on E. portion.

Timber, scattered to moderate juniper on E. 69.00 ch.

West, bet. secs. 3 and 34.

Over bottom of valley, bears irregularly S. and NE.

## Survey of the North Boundary of T. 2 N., R. 17 W.

Chains

- Asc. 50 ft. over gently rolling land sloping SE.
- 11.80 Large wash, drains SE., heads about 8.00 chs. NW.; asc. 70 ft. over gently rolling land.
- 25.00 Wash, drains SE.; asc. 50 ft. over gentle NE. slope.
- 27.60 Small spur, slopes SE.; desc. 10 ft. over SW. slope.
- 33.90 Wash, drains SE.; asc. 90 ft. over E. slope of spur sloping from the W.
- 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., 6 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T3N R17W

 $\frac{1}{4}$  S34

S 3

T2N

1960

By triangulation, topography estimated.

- Asc. about 1,000 ft. over steep, broken E. slope.
- 65.00 Spur, slopes SE.; cont. along broken S. slope.
- 77.00 Slope changes to SW.; desc. 10 ft.
- 79.00 Rocky draw, drains SE.; asc. 20 ft.
- 80.00 Point for the cor. of secs. 3, 4, 33 and 34; end of triangulation.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 6 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T3N R17W

S33 S34

S4 S3

T2N

1960

Land, gentle rolling on E. 34 chs., rough and broken mountains on remainder.

Soil, clay and gravel on E. 34 chs., mostly exposed limestone and slide rock on remainder.

Timber, scattered scrub juniper.

West, bet. secs. 4 and 33.

Over broken, ledgy, mountainous land.

By triangulation, topography estimated.

Asc. about 550 ft. over broken ledges and exposed limestone formations facing E.

- 20.50 End of triangulation on broken ridge, bears irregularly NW. and SE.; desc. 30 ft. over broken, ledgy S. slope.
- 31.80 Spur, slopes SW.; desc. 290 ft. along steep N. slope of spur sloping E.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 4 and 33.

Survey of the North Boundary of T. 2 N., R. 17 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T3N R17W

¼ S33

S4

T2N

1960

From this cor. U. S. G. S. triangulation station "Silver," bears N. 72° 47' 30" E., 15.89 chs. dist. The triangulation stations is not visible from this cor; course and dist. is as calculated.

Desc. 30 ft. along N. slope.

41.90 Rim of ledges, bears irregularly NW. and S., circling to SW.; desc. 350 ft. over ledges facing W.

47.80 Base of ledges; desc. 370 ft. over rolling, rocky W. slope.

65.50 Large rocky gully, drains N. circling to NW., heads about 6.00 chs. S.; asc. 80 ft. over NE. slope.

70.50 Small spur, slopes N. 30° E.; asc. 10 ft. over gently rolling land draining N.

78.90 Spur, slopes N.; desc. 20 ft. over W. slope.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T3N R17W

S32 | S33

S5 | S4

T2N

1960

Land, rough and mountainous with numerous limestone ledges and outcrops on E. 65 chs., rolling on remainder. Soil, clay and broken exposed limestone. Timber, scattered juniper.

West, bet. secs. 5 and 32.

Over rolling mountainous land.

Desc. 170 ft. over rolling land with N. drainage and exposure.

13.50 Spur, slopes N. 70° W.; desc. 470 ft. over SW. slope.

32.80 Large wash, drains NW.; asc. 20 ft. over NE. slope.

35.80 Top of ascent; desc. 40 ft. over gentle SW. slope.

40.00 Point for the ¼ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

Survey of the North Boundary of T. 2 N., R. 17 W.

T3N R17W

½ 832  
85  
T2N  
1960

The cor. is located on brush covered bench.

Desc. 90 ft.

- 46.70 Large wash, drains NW.; asc. 40 ft. over NE. slope.
- 49.70 Small spur, slopes NW.; desc. 100 ft. over general W. slope.
- 54.90 Draw, drains N. 20° W.; desc. 120 ft. over rolling land with N. drainage.
- 75.00 Wash, 50 lks. wide, 2 ft. deep, drains W.  
Asc. 10 ft. over gentle NE. slope.
- 80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T3N R17W

831 | 832  
S6 | S5  
T2N  
1960

The cor. is located on small finger spur sloping NW.

Land, small rolling spurs and gullys on W. 50 chs., mountainous on remainder.

Soil, clay and gravel.

Timber, scattered juniper on E. 13 chs., widely scattered on remainder.

West, bet. secs. 6 and 31.

Over rolling mountainous land.

Desc. 160 ft. over W. slope.

- 16.70 Large wash, drains N. 15° W.; asc. 190 ft. over steep rocky E. slope.
- 25.70 Spur, projects E.; desc. 40 ft. over W. slope.
- 32.00 Spur, slopes N. 20° W.; desc. 240 ft. over rocky W. slope.
- 39.70 Draw, drains N. 30° W.; asc. 30 ft. over NE. slope.
- 40.00 Point for the ½ sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T3N R17W

½ 831  
86  
T2N  
1960

Asc. 160 ft. over rocky NE. slope.

- 53.60 Spur, slopes N.; desc. 160 ft. over steep W. slope.

of the North Boundary of T. 2 N., R. 17 W.

Chains

- 62.50 Rocky gully, drains W.; asc. 160 ft. over steep E. slope.
- 68.00 Rocky spur, slopes N.; desc. 210 ft. over broken W. slope.
- 75.30 Slope changes to N.; asc. 20 ft.
- 79.32 The Tp. cor. of Tps. 2 and 3 N., Rs. 17 and 18 W., heretofore described.
- Land, rolling and broken.  
Soil, rocky clay and exposed limestone.  
Timber, widely scattered scrub juniper.

Survey of a portion of the Subdivision of T. 2 N., R. 17 W.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., mkd. by a fir post, heretofore described.

N. 0° 01' W., bet. secs. 35 and 36.

Over level salt bed; salt about 2 ins. thick.

24.00 Leave crusted salt, cont. over level alkali land.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 35 and 36.

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

$\frac{1}{4}$  S35 on West  
S36 on East faces.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist, and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T2N S25 on NE.  
R17W S36 on SE.  
S35 on SW.  
S26 on NW. faces; with 1 notch on  
S. and E. edges.

Dig pits, 18x18x12 ins., in each sec. NE., SE., SW. and NW., 4 ft. dist.; raise a mound of earth, 4 ft. base, 2 ft. high, W. of the cor.

Land, level crusted salt on S. 24.00 chs., alkaline on remainder.  
Soil, saline with wet clay subsoil.  
No vegetation.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., mkd. by a fir post, set, mkd. and witnessed as described in the official record.

S. 89° 59' W., bet. secs. 25 and 36.

Over level alkali land.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 36.

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

Survey of a Portion of the Subdivision of T. 2 N., R. 17 W.

Chains

1/4 S25 on W.  
S36 on S. face.

Deposit glass at the base of the monument.

80.01 The cor. of secs. 25, 26, 35 and 36.

Land, level, alkali desert.  
Soil, thin layer of salt on surface, heavy clay underneath.  
No vegetation.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp.,  
mkd. by a fir post heretofore described.

N. 0° 02' W., bet. secs. 33 and 34.

Over level salt bed with thin damp layer of salt on the surface.

40.00 Point for the 1/4 sec. cor. of secs. 33 and 34.

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground  
with post mkd.

1/4 S33 on W.  
S34 on E. faces.

Dig pits, 18x18x12 ins., N. and S. of the post, 4 ft. dist., and  
raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Deposit glass at the base of the monument.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground,  
with post mkd.

T2N S27 on NE.  
R17W S34 on SE.  
S33 on SW.  
S28 on NW. faces; with 3 notches on  
the E. and 1 notch on the S. edges.

Dig pits, 18x18x12 ins., in each quadrant, 4 ft. dist., and raise  
a mound of earth, 4 ft. base, 2 ft. high, W. of the cor.

Deposit glass at the base of the monument.

Land, level alkali desert.  
Soil, thin layer of salt, wet clay subsoil.  
No vegetation.

N. 0° 02' W., bet. secs. 27 and 28.

Over level salt bed.

40.00 Point for the 1/4 sec. cor. of secs. 27 and 28.

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground,  
with post mkd.

1/4 S28 on W.  
S27 on E. faces.

Survey of a Section of the Subdivision of T. 2 N., R. 17 W.

Chains

Dig pits, 18x18x12 ins., N. and S. of post, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Deposit glass at the base of the monument.

54.20 Enter low brush and hummocks, bears NE. and SW.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with postsmkd.

T2N S22 on NE.

R17W S27 on SE.

S28 on SW.

S21 on NW. faces; with 3 notches on the E. and 2 notches on S. edges.

Dig pits, 18x18x12 ins. in each sec., 4 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the cor.

From this cor.

High point on Silver Island, Mtn., bears N. 13° E.

High point on Silver Island, Mtn., bears N. 23° 13' E.

High point on Floating Island, Mtn., bears N. 78° 16' E.

High point on Silver Island, Mtn., bears N. 70° 11' W.

Land, level salt bed.

Soil, saline on S. 54 chs., sandy clay with wet clay subsoil on remainder.

Low salt brush on N. 26.00 chs.

N. 0° 02' W., bet. secs. 21 and 22.

Over nearly level desert, through low salt brush and hummocks.

16.00 Wide shallow drainage, drains SE.

22.00 Blade road, bears NE. and SW.

32.00 Leave level desert land; asc. 20 ft. over gentle S. 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 mkd.

T2N R17W

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

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

40.90 Small gully, drains SE.; asc. 20 ft.

46.60 Road, bears N. 80° E. and S. 80° W.; follows along desert edge; asc. 80 ft.

67.30 Small wash, drains S. 30° E.; asc. 60 ft. over S. 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., 22 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivision of R. 2 N., R. 17 W.

Chains

T2N R17W  
 S16|S15  
 S21|S22  
 1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, nearly level desert on S. 32 chs., gently rolling on remainder.  
 Soil, sandy clay on wet clay subsoil on S. 32 chs., gravel on remainder.  
 Undergrowth, low salt brush.

N. 0° 02' W., bet. secs. 15 and 16.

Over low rolling foothills of the Silver Island Mountains.

Asc. 90 ft. along gentle SE. slope.

11.30 Base of rocky spur; asc. 180 ft. over S. slope.

20.00 Crest of spur, slopes E., 50 lks. dist., thence sharply E.

24.70 Begin descent over N. slope; desc. 160 ft.

29.00 Base of spur; asc. 20 ft. along SE. slope.

34.80 Small, rocky wash, drains SE., heads about 6.00 chs. NW.; asc. 50 ft. along gentle SW. 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., 22 ins. in the ground, with brass cap mkd.

T2N R17W  
 S16|S15  
 1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Asc. 160 ft. over S. slope.

52.20 Saddle, bears NW. and SE., high rocky outcrop bears W. 50 lks. dist.; desc. 30 ft. along rolling and rocky E. slope.

63.30 Slope changes to S.; asc. 60 ft.

77.50 Low spur, slopes 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., 10 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T2N R17W  
 S 9|S10  
 S16|S15  
 1960

The cor. is located 10 lks. E. of rocky ledge about 20 ft. high; this ledge is prominent as it is the last rocky outcrop on spur sloping from the W.

Land, rolling foothills.  
 Soil, clay, gravel and limestone.  
 Undergrowth, low brush.

Survey of a Portion of the Subdivision of T2 N., R. 17 W.

Chains

N. 00° 02' W., bet. secs. 9 and 10.

Over rolling land. Asc. 110 ft. over rolling land with SE. drainage and exposure.

23.90 Small wash, drains SE.; asc. 120 ft. over rolling land with SE. drainage.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 9 and 10.  
Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T2N R17W  
S 9 | S10  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.  
Asc. 180 ft. over gently rolling land with SE. drainage and exposure.

68.90 Large, wash, drains SE.; asc. 140 ft.

76.60 Top of ascent, slopes SE.; desc. 30 ft. over NE. slope.

78.50 Small wash, drains SE.; heads about 6.00 chs. NW.; asc. 20 ft. over S. slope.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.  
Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T2N R17W  
S4 | S3  
S 9 | S10  
1960

Land, mountainous.  
Soil, clay, gravel and limestone.  
Timber, scattered juniper on N. portion.  
Undergrowth, moderate low brush.

N. 0° 01' E., bet. secs. 3 and 4.

Over rocky mountainous land, through scattered juniper.

Asc. 340 ft. over S. slope.

10.60 Spur, slopes S. 70° E. from NW.; desc. 20 ft. over broken NE. slope.

29.50 Bottom of rocky canyon, wash, 10 lks. wide, 1 ft. deep, drains S. 20° E., circling to S. 70° E.; asc. 230 ft. along broken W. slope with numerous broken ledges and limestone outcrops.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 3 and 4.  
Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T2N R17W  
S4 | S3  
1960

## Survey of a Portion of the Subdivision of T. 2 N., R. 17 W.

Chains

By triangulation; asc. 420 ft. over broken ledgy SW. slope.

- 54.20 End of triangulation on spur sloping S. 20° E. from NW.; cont. by triangulation, topography estimated; desc. about 150 ft. over rocky NE. slope.
- 61.00 Rocky draw about 4.00 chs. from head, drains SE.; asc. about 280 ft. over rocky SW. slope.
- 69.30 End of triangulation on spur sloping SE.; desc. 30 ft. over broken E. slope near the upper end of large rock slide sloping sharply E.
- 80.20 The cor. of secs. 3, 4, 33 and 34, heretofore described.

Land, broken mountains.  
Soil, mostly rock and exposed limestone.  
Timber, scattered juniper.

From the true point for the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., from which its witness cor. bears W. 50 lks. dist.

S. 0° 01' E., bet. secs. 1 and 2.

Over broken mountainous land, through widely scattered scrub juniper.

Asc. 50 ft. over exposed limestone facing NW.

- 2.10 Top of ascent; slopes W.; desc. 70 ft. along ledgy W. slope.
- 9.90 Canyon rim, bears irregularly E. and W., by triangulation, topography estimated; desc. about 300 ft. over ledges and steep broken slope facing S.
- 20.00 Rocky wash, 6 lks. wide, 1 ft. deep, drains sharply W.; asc. about 100 ft. over N. slope.
- 28.40 End of triangulation on rocky spur, slopes W.; asc. 70 ft. over rolling and broken land with NW. drainage and exposure.
- 39.40 Point selected for the witness  $\frac{1}{4}$  sec. cor. of secs. 1 and 2.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 3 $\frac{1}{2}$  ft. base to top, with brass cap mkd.

T2N R17W

$\frac{1}{4}$

S2|S1

W C

1960

The cor. is located 30 lks. N. of overhanging rock outcrop about 50 ft. high.

- 40.07 True point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 2 falls on N. face of rocky outcrop where cor. cannot be perpetuated.

By triangulation from wit. cor., topography estimated; asc. about 450 ft. over rocky and ledgy land facing N.

- 44.40 Broken ridge top, bears irregularly NE. and SW.; desc. about 500 ft. over steep, broken S. slope.
- 55.00 Head of wash, drains SW.; desc. about 400 ft. along steep, broken W. slope.
- 78.00 End of triangulation on small, rocky outcrop sloping W.; desc. 50 ft.

Chains

80.07

Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T2N R17W

S2|S1

S11|S12

1960

The cor. is located at the base of rocky outcrop facing W. about 20 ft. high.

Land, steep, broken mountains.

Soil, clay, broken limestone ledges and outcrops.

Timber, scattered scrub juniper.

From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp.

S. 0° 02' E., bet. secs. 2 and 3.

Over gently rolling land; desc. 30 ft. over S. slope.

7.80

Road, bears irregularly N. and S.; desc. 10 ft.

11.50

Road, bears to SW.; desc. 30 ft.

16.50

Wash, 15 lks. wide, 3 ft. deep, drains SW.; asc. 150 ft. over NW. slope.

27.30

Rocky spur, slopes SW.; desc. 250 ft. over S. slope.

33.40

Small wash, drains SW.; desc. 10 ft. over gently rolling W. slope.

40.14

Point for the ¼ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T2N R17W

S3|S2

1960

The cor. is located on W. slope of spur about 1.00 ch. from base.

Asc. 10 ft.

44.70

Rock outcrop, projects W. 50 lks. dist.; desc. 90 ft. over SW. slope.

48.80

Road, bears irregularly N. 10° W. and S. 10° E.; desc. 20 ft.

52.60

Wash, 50 lks. wide, 2 ft. deep, drains SE.; desc. 10 ft.

58.80

Wash, 40 lks. wide, 2 ft. deep, drains SE.; asc. 70 ft. over gentle rolling land facing E.

79.30

Small spur, slopes E.; desc. 10 ft.

80.14

Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T2N R17W

S3|S2

S10|S11

Survey of a Portion of the Subdivision of T. 2 N. R. 17 W.

Land, rolling.  
Soil, clay and rocky.  
Timber, widely scattered juniper.

From the cor. of secs. 1, 2, 11 and 12.

S. 89° 59' W., bet. secs. 2 and 11.

Over rolling mountainous land; desc. 170 ft. over W. slope.

11.80 Wash, 30 lks. wide, with steep sloping sides, drains S.; asc. 10 ft. over canyon bottom.

21.00 Leave canyon bottom; asc. 160 ft. over broken E. slope.

30.70 Spur, slopes S.; desc. 100 ft. over SW. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2 $\frac{1}{4}$  ins. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T2N R17W

$\frac{1}{4}$  S 2  
S11  
1960

Raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.

Desc. 20 ft.

46.20 Small, rocky spur, slopes SW.; desc. 130 ft. over rocky SW. slope.

57.80 Road, bears irregularly N. and S.; desc. 10 ft.

62.60 Wash, 50 lks. wide, 2 ft. deep, drains S. 30° E.; asc. 170 ft. over E. slope.

80.12 The cor. of secs. 2, 3, 10 and 11.

Land, rolling and mountainous.  
Soil, clay loam and rocky.  
Timber, widely scattered scrub juniper.

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

S. 89° 56' W., bet. secs. 16 and 21.

Over rolling land; asc. 60 ft. over gentle E. slope.

8.80 Rocky outcrop, slopes S. about 3.00 chs. to end; desc. 10 ft. over rolling W. slope.

16.20 Wash, 1.00 ch. wide, 1 ft. deep, drains S.; asc. 70 ft. over E. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2 $\frac{1}{4}$  ins. diam., 20 ins. in the ground, with brass cap mkd.

T2N R17W

$\frac{1}{4}$  S 16  
S21  
1960

Survey of a Portion of the Subdivision of T. 2 N., R. 17 W.

Chains

- Asc. 70 ft. over E. slope.
- 46.30 Small, rocky spur, slopes S. about 2.00 chs. to end.
- 53.90 Jeep road following along large wash draining S.; asc. 20 ft. over gentle E. slope.
- 56.70 Small finger spur, slopes S.; desc. 10 ft. over W. slope.
- 60.30 Large wash, drains S. 20° E.
- 64.70 Wash, 2.00 chs. wide, 1 ft. deep, drains S. 10° E.
- 68.10 Small wash, drains S. 20° E.; asc. 250 ft. over SE. slope.
- 80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T2N R17W  
 S17|S16  
 S20|S21  
 1960

Land, rolling.  
 Soil, clay and rocky.  
 Timber, none.  
 Undergrowth, moderate low brush.

N. 0° 03' W., bet. secs. 16 and 17.

Over rolling mountainous land.

Asc. 70 ft. over S. slope.

- 3.00 Spur, slopes E.; desc. 130 ft. over NE. slope.
- 10.00 Small wash at base of spur, drains SE.; asc. 30 ft. over S. slope.
- 14.40 Finger spur, slopes SE.; asc. 30 ft. over gently rolling land with SE. drainage and exposure.
- 21.40 Wash, 1.00 ch. wide, 6 ft. deep, drains SE.; cont. over rolling land.
- 32.00 Large wash, drains SE.; asc. 80 ft. over gentle S. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T2N R17W  
 ¼  
 S17|S16  
 1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Asc. 100 ft. over gently rolling land with SE. drainage and exposure.

- 54.30 Large wash, drains SE.; asc. 350 ft. over steep S. slope.
- 71.00 Spur, slopes SE. from N. 20° W.; cont. along E. slope.
- 80.00 Point for the cor. of secs. 8, 9, 16 and 17.

## Survey of a Portion of the Subdivision of T. 2 N., R. 17 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T2N R17W

S8/S9

S17/S16

1960

Land, rolling.

Soil, clay and broken limestone.

Timber, widely scattered scrub juniper.

From the cor. of secs. 9, 10, 15 and 16.

S. 89° 57' W., bet. secs. 9 and 16.

Over rolling mountainous land; asc. 20 ft. over ledge facing E.

.10 Top of ledge; asc. 50 ft. along crest of spur sloping S. 80° E.

2.70 Leave spur top; asc. 350 ft. along S. side of spur.

23.10 Top of ascent, bears N. and S.; desc. 80 ft. over gentle W. slope.

39.97 Point for the ¼ sec. cor. of secs. 9 and 16,

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, in a large mound of stone to top, with brass cap mkd.

T2N R17W

¼ S 9

S16

1960

Desc. 10 ft.

43.40 Wash, 30 lks. wide, steep sloping sides, drains S.; asc. 130 ft. over rocky E. slope.

47.50 Rocky outcrop on spur sloping S.; desc. 110 ft. over rolling land putting SW.

63.50 Large wash, drains SE.; asc. 110 ft. over NE. slope.

66.50 Finger spur, slopes SE.; desc. 10 ft.

71.10 Gully, drains SE.; heads about 3.00 chs. NW.; asc. 90 ft. over NE. slope.

74.30 Small spur, slopes SE.

78.00 Draw, drains SE., heads about 6.00 chs. NW.; asc. 30 ft. over E. slope.

79.94 The cor. of secs. 8, 9, 16 and 17.

Land, rolling low spurs and draws.

Soil, rocky clay.

Timber, none.

Undergrowth, moderate low brush.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp.

Survey of a Portion of the Subdivision of T. 2 N., R. 17 W.

Chains

N. 0° 03' W., bet. secs. 32 and 33.

Over level barren salt flat.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 32 and 33.

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

$\frac{1}{4}$  S32 on W.

S33 on E. faces.

Dig pits, 18x18x12 ins., N. and S. of post, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Deposit glass at the base of the monument.

72.00 Enter low brush and hummocks, bears NE. and SW.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T2N S28 on NE.

R17W S33 on SE.

S32 on SW.

S29 on NW. faces, with 4 notches on the E. and 1 notch on the S. edges.

Deposit glass in the hole alongside the monument.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, level alkali desert.

Soil, light salt crust with heavy wet clay subsoil.

Undergrowth, small salt brush on N. 8 chs.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp.

N. 0° 04' W., bet. secs. 31 and 32.

Over level, barren, alkali desert land.

5.50 Enter low salt brush and low hummocks bearing NE. and SW.

34.70 Small drainage, drains SE.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 31 and 32.

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

$\frac{1}{4}$  S31 on W.

S32 on E. faces.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

From this cor. U. S. Mineral Monument No. 266 bears N. 54° 40' 50" W. 36.45 chs. dist., mkd. by a stone, 6x20x30 ins., set in a mound of stone, with a large mound alongside. A cross (X) and USMM No. 266 is chiseled on the stone monument.

The cor. is located on a spur sloping SE. about midpoint from the desert floor to the top of Silver Island Mountain.

## Survey of a Portion of the Subdivision of T. 2N., R. 17 W.

Chains

58.40

Road, bears irregularly E. and W.

60.00

Leave alkali desert, enter slopes of Silver Island Mountains; asc. 120 ft. over S. slope.

80.00

Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T2N R17W

S30|S29

S31|S32

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, alkali desert on S. 60 chs., gentle slope of rocky foothills on remainder.

Timber, none.

Undergrowth, low salt brush.

From the cor. of secs. 28, 29, 32 and 33.

S. 89° 54' W., bet. secs. 29 and 32.

Over nearly level desert land, through low brush and hummocks.

26.90

Road, bears NE. and SW.; leave alkali desert; asc. 40 ft. over gently rolling S. slope.

40.03

Point for the ¼ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T2N R17W

¼ S29

S32

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

Asc. 30 ft.

48.80

Small gully, drains S.; asc. 10 ft.

51.00

Small rocky outcrop, bears S. 20° E. and N. 20° W.; asc. 40 ft.

74.00

Small wash, drains S. 20° E.; asc. 20 ft.

80.06

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

Land, alkali desert on E. 27 chs., gentle rocky slope on remainder.

Soil, alkali and heavy clay on E. 27 chs., rocky clay on remainder

Timber, none.

Undergrowth, scattered to moderate salt brush.

125

Township 2 North, Range 17 West

Chains

General Description

A sharp contrast of land and soil are found in T. 2 N., R. 17 W. The elevation ranges from about 4200 feet to 7300 feet above sea level; the highest point being in the northwest part of the township, and the lowest along the south boundary. The south and southeast portions of the township are on the Great Salt Lake Desert. The remainder is on the Silver Island Mountains, which rise abruptly out of the desert. The mountains are composed mostly of limestone and rocky clay surface soil cut by numerous fissures filled with ore bearing quartz and porphyry. Scattered scrub juniper and low brush are found along the spurs and slopes in the northern portion of the township and low brush on most of the remainder, with the exception of the mountain tops and the southeast portion of the township. The mountain tops are nearly bare due to the hard limestone surface which forms numerous vertical ledges, pinnacles and rocky outcrops. The sides of the mountains are covered with slide rock, boulders and debris of considerable depth. The soil on the Great Salt Lake Desert is composed of a heavy hard salt crust with wet clay subsoil in the southeast corner becoming lighter towards the interior and along the south boundary.

There are several patented mining claims in the township and extensive mining has been done, primarily in sections 29, 30, 31; there are no operating mines at the present time, but some exploratory work is being done in the vicinity of section 2.

No living water sources or storage ponds were noted in the township and any form of animal life is extremely rare. However, indications are that livestock are trailed through the area during the winter months.

Chains

CHAINS

The following table shows the number of chains of various lengths and materials used in the construction of the various types of bridges and structures built by the United States Army and Navy during the fiscal year ending June 30, 1917.

The chains were used in the construction of the following types of bridges and structures:

- 1. Suspension bridges.
- 2. Truss bridges.
- 3. Girder bridges.
- 4. Cable-stayed bridges.
- 5. Trestle bridges.
- 6. Viaducts.
- 7. Tunnels.
- 8. Retaining walls.
- 9. Foundations.
- 10. Other structures.

The chains were made of the following materials:

- 1. Steel.
- 2. Iron.
- 3. Copper.
- 4. Brass.
- 5. Aluminum.
- 6. Other materials.

The following table shows the number of chains of various lengths and materials used in the construction of the various types of bridges and structures built by the United States Army and Navy during the fiscal year ending June 30, 1917.

Type of Structure	Material	Length (ft.)	Number of Chains
Suspension bridges	Steel	100-200	12
		200-300	18
		300-400	24
		400-500	30
		500-600	36
		600-700	42
	Iron	100-200	15
		200-300	22
		300-400	29
		400-500	36
		500-600	43
		600-700	50
Truss bridges	Steel	100-200	15
		200-300	22
		300-400	29
		400-500	36
		500-600	43
		600-700	50
	Iron	100-200	18
		200-300	27
		300-400	36
		400-500	45
		500-600	54
		600-700	63
Girder bridges	Steel	100-200	18
		200-300	27
		300-400	36
		400-500	45
		500-600	54
		600-700	63
	Iron	100-200	21
		200-300	32
		300-400	43
		400-500	54
		500-600	65
		600-700	76
Cable-stayed bridges	Steel	100-200	12
		200-300	18
		300-400	24
		400-500	30
		500-600	36
		600-700	42
	Iron	100-200	15
		200-300	22
		300-400	29
		400-500	36
		500-600	43
		600-700	50
Trestle bridges	Steel	100-200	15
		200-300	22
		300-400	29
		400-500	36
		500-600	43
		600-700	50
	Iron	100-200	18
		200-300	27
		300-400	36
		400-500	45
		500-600	54
		600-700	63
Viaducts	Steel	100-200	12
		200-300	18
		300-400	24
		400-500	30
		500-600	36
		600-700	42
	Iron	100-200	15
		200-300	22
		300-400	29
		400-500	36
		500-600	43
		600-700	50
Tunnels	Steel	100-200	12
		200-300	18
		300-400	24
		400-500	30
		500-600	36
		600-700	42
	Iron	100-200	15
		200-300	22
		300-400	29
		400-500	36
		500-600	43
		600-700	50
Retaining walls	Steel	100-200	12
		200-300	18
		300-400	24
		400-500	30
		500-600	36
		600-700	42
	Iron	100-200	15
		200-300	22
		300-400	29
		400-500	36
		500-600	43
		600-700	50
Foundations	Steel	100-200	12
		200-300	18
		300-400	24
		400-500	30
		500-600	36
		600-700	42
	Iron	100-200	15
		200-300	22
		300-400	29
		400-500	36
		500-600	43
		600-700	50
Other structures	Steel	100-200	12
		200-300	18
		300-400	24
		400-500	30
		500-600	36
		600-700	42
	Iron	100-200	15
		200-300	22
		300-400	29
		400-500	36
		500-600	43
		600-700	50



## CERTIFICATE OF CADASTRAL ENGINEER

I, Boyd S. Owens, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 28th day of July, 1960, I have ~~surveyed~~ resurveyed the south boundary and surveyed the north and west and a portion of the subdivisional lines of T. 2 N., R. 17 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

March 1, 1961

Boyd S. Owens  
Boyd S. Owens  
Cadastral Surveyor

### CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., APR 3 1962, 1962

The foregoing field notes of the ~~survey of~~ resurvey of the south boundary and survey of the north and west boundaries and a portion of the subdivision of T. 2 N., R. 17 W., Salt Lake Meridian, Utah

executed by Boyd S. Owens, Cadastral Surveyor

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

E. S. Remington  
~~Cadastral Engineering Staff Officer~~  
Chief, Division of Engineering

I CERTIFY that the foregoing is a true and correct copy of the field notes of the above-described surveys in T. 2 N., R. 17 W., SLM, Utah, is a true copy of the original field notes.

Cadastral Surveyor, B. L. M., D. C.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 1 SOUTH, RANGE 12 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated August 22, 1960, which provided

the surveys included under Group No. 441, approved September 6, 1960

assignment instructions dated September 6, 1960

Survey commenced September 26, 1960

Survey completed October 25, 1960

# INDEX DIAGRAM

Township 1 South, Range 12 West

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

1 South, 12 West

Chains

The east boundary was surveyed by Howard W. Miller and Robert Clark in 1913. The north boundary (Salt Lake Base Line ) was surveyed by Andrew Nelson in 1925. The south boundary was surveyed concurrently and appears in the field notes of T. 2 S., R. 12 W. The west boundary was surveyed concurrently and appears in the field notes of T. 1 S., R. 13 W.

The following field notes are those of the survey of a portion of the subdivision deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transit No. 541325 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 this 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 one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method.

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 40° 40' 52.13" N. and longitude 113° 08' 31.78" W. as adjusted from traverses to U.S.C. & G.S. triangulation station "Clive."

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 45' East.

Survey of a Portion of the Subdivision of T. 1 S., R. 12 W.

Beginning at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 2 S., R. 12 W.

N. 0° 01' W., bet. secs. 35 and 36.

Over nearly level desert land covered with shadscale.

Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

40.00

Survey of a Portion of the Subdivision of T. 1 S., R. 12 W.

Chains

T1S R12W

$\frac{1}{4}$  S35 | S36  
1960

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of iron post.

Cont. over level desert land.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R12W

S26 | S25  
S35 | S36  
1960

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of iron post.

Land, level desert.

Soil, clay.

Timber, none.

Undergrowth.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

S. 89° 59' W., bet. secs. 25 and 36.

Over nearly level desert land, covered with shadscale.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R12W

$\frac{1}{4}$  S25  
S36  
1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of iron post.

80.00 The cor. of secs. 25, 26, 35 and 36.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., monumented by an iron post, set, mkd. and witnessed as described in field notes of T. 2 S., R. 12 W.

N. 0° 02' W., bet. secs. 33 and 34.

Over level desert land covered with shadscale.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 33 and 34.

Survey of a Portion of the Subdivision of T. 1 S., R. 12 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R12W

S33|S34

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post.

Cont. over level desert land.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R12W

S28|S27

S33|S34

1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of iron post.

Land, level.

Soil, clay, small sand dunes.

Timber, none.

Undergrowth, shadscale.

N. 0° 02' W., bet. secs. 27 and 28.

Over level desert land, covered with shadscale.

40.00 Point for the ¼ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R12W

S28|S27

1960

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of iron post.

Cont. over level desert land.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R12W

S21|S22

S28|S27

1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of the iron post.

Land, level.

Soil, clay, small scattered sand dunes.

Timber, none.

Undergrowth, shadscale.

## Survey of a Portion of the Subdivision of T. 1 S., R. 12 W.

Chains

N. 0° 02' W., bet. secs. 21 and 22.

Over level desert land covered the shadscale.

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., 24 ins. in the ground, with brass cap mkd.

T1S R12W

S21|S22

1960

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

Cont. over level desert land.

51.20 Power line parallel with railroad.

51.63 Western Pacific Railroad, bears N. 88° 05' W. and S. 88° 05' E.

71.93 Telephone line, bears E. and W.

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., 24 ins. in the ground, with brass cap mkd.

T1S R12W

S16|S15

S21|S22

1960

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

Land, level.

Soil, sandy clay.

Timber, none.

Undergrowth, shadscale.

N. 0° 02' W., bet. secs. 15 and 16.

Over level desert land covered with shadscale.

11.57 Hard surfaced highway U. S. 40-50, bears N. 89° 05' W. and S. 89° 05' E.; cont. over level desert land.

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., 24 ins. in the ground, with brass cap mkd.

T1S R12W

S16|S15

1960

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

Cont. over level desert land.

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., 24 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 1. S., R. 12 W.

Chains

T1S R12W  
S 9 | S10  
S16 | S15  
1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of iron post.

Land, level.  
Soil, clay.  
Timber, none.  
Undergrowth, shadscale.

N. 0° 02' W., bet. secs. 9 and 10.

Over level desert land, covered with shadscale.

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.

T1S R12W  
¼  
S 9 | S10  
1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of iron post.

Cont. over level desert land.

46.30 Telephone line, bears E. and W.

80.00 Point for the cor. of secs. 3, 4, 9 and 10, falls on a graded gravel road which bears N. 2° 50' E. and S. 2° 50' W.

Bury glass 2 ft. underground, from which

An iron post, 30 ins. long, 2½ ins. diam., set, 24 ins. in the ground for reference monument, bears N. 52° 59' E., 70.8 ft. dist., with brass cap mkd.

T1S R12W  
↙  
S 3  
R M  
1960

Raise a mound of stone, 2 ft. base, 2 ft. high, N. of iron post.

An iron post, 30 ins. long, 2½ ins. diam., set 24 ins. in the ground for reference monument, bears S. 47° 01' E., 74.2 ft. dist., with brass cap mkd.

T1S R12W  
R M  
↙  
S10  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.

Land, level.  
Soil, clay.  
Timber, none.  
shadscale.

## Survey of a Portion of the Subdivision of T. 1 S., R. 12 W.

Chains

N. 0° 02' W., bet. secs. 3 and 4.

Over level desert land covered with shadscale.

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., 24 ins. in the ground, with brass cap mkd.

T1S R12W

S4|S3

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of iron post.

Cont. over level desert land.

79.00

Intersect the Salt Lake Base Line.

Point for the closing cor. of secs. 3 and 4.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T1N

S34

S4|S3

C C

T1S R12W

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of iron post.

From this cor. the standard cor. of secs. 33 and 34, T. 1 N., R. 12 W., bears West .08 chs. dist., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

Point for the cor. of secs. 2 and 3, T. 1 S., R. 12 W. is on the Salt Lake Base Line and is at a proportionate dist. bet. the closing cor. of secs. 3 and 4, T. 1 S., R. 12 W. and the closing cor. of Tps. 1 S., Rs. 11 and 12 W.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T1N

S3|S2

T1S R12W

1960

Raise a mound of stone, 2 ft. base, 2 ft. high, S. of iron post.

From this cor. the standard cor. of secs. 34 and 35, T. 1 N., R. 12 W. bears West .07 chs. dist., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

## of a Portion of the Subdivision of T. 1 S., R. 12 W.

Chains

Point for the N.  $\frac{1}{4}$  sec. cor. of sec. 2 is on the Salt Lake Base Line and is at a proportionate dist. bet. the closing cor. of T. 1 S., Rs. 11 and 12 W. and the closing cor. of secs. 3 and 4, T. 1 S., R. 12 W.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T1N

$\frac{1}{4}$  S2  
T1S R12W  
1960

Raise a mound of stone, 2 ft. base, 2 ft. high, S. of iron post.

From this cor. the standard  $\frac{1}{4}$  sec. cor. of sec. 35, T. 1 N., R. 12 W., bears West .065 chs. dist., mkd. by an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

Point for the cor. of secs. 1 and 2, T. 1 S., R. 12 W. is on the Salt Lake Base Line at proportionate dist. bet. the closing cor. of T. 1 S., Rs. 11 and 12 W., and the closing cor. of secs. 3 and 4, T. 1 S., R. 12 W.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T1N

S2|S1  
T1S R12W  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.

From this cor. the standard cor. of secs. 35 and 36, T. 1 N., R. 12 W. bears West .06 chs. dist., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

From the cor. of secs. 2 and 3, on the N. bdy. of the Tp.

S.  $0^{\circ} 01'$  E., bet. secs. 2 and 3,

Over level desert land covered with shadscale.

38.92 Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 3,

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R12W

$\frac{1}{4}$   
S3|S2  
1960

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

Cont. over level desert land,

78.92 Point for the cor. of secs. 2, 3, 10 and 11, at a position calculated to be bet. the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp. and the cor. of secs. 3, 4, 9 and 10.

Survey of a Portion of the Subdivision of T. 1 S. R. 12 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R12W  
S3 | S2  
S10 | S11  
 1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, level.  
 Soil, clay.  
 Timber, none.  
 Undergrowth, shadscale.

N. 89° 57' E., bet. secs. 2 and 11, on a course calculated to be bet. the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., and the cor. of secs. 3, 4, 9 and 10.

Over level desert land covered with shadscale.

40.00 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.

T1S R12W  
 ¼ S 2  
S11  
 1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

Cont. over level desert land.

80.00 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R12W  
S2 | S1  
S11 | S12  
 1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, level.  
 Soil, clay.  
 Timber, none.  
 Undergrowth, shadscale.

North, bet. secs. 1 and 2.

Over level desert land covered with shadscale.

40.00 Point for the ¼ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

of a Portion of the Subdivision of T. 1 S., R. 12 W.

Chains

T1S R12W

1/4  
S2|S1  
1960

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

Cont. over level desert land.

78.86

The cor. of secs. 1 and 2.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

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

West, bet. secs. 16 and 21.

Over level desert land covered with shadscale.

40.00

Point for the 1/4 sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R12W

1/4  
S16  
S21  
1960

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, N. of cor.

Cont. over level desert land.

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., 24 ins. in the ground, with brass cap mkd.

T1S R12W

S17|S16  
S20|S21  
1960

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

Land, level Desert.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

N. 0° 03' W., bet. secs. 16 and 17.

Over level desert land covered with shadscale.

12.74

Hard surfaced highway U. S. 40°50, bears N. 89° 06' W. and S. 89° 06' E.

40.00

Point for the 1/4 sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 1 S., R. 12 W.

Chains

T1S R12W

$\frac{1}{2}$   
S17|S16  
1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Cont. over level desert land.

72.00 Drainage ditch, drains SW.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S. R12W

$\frac{1}{2}$   
S8|S9  
S17|S16  
1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

From the cor. of secs. 9, 10, 15 and 16.

West, bet. secs. 9 and 16.

Over level desert land covered with shadscale.

4.00 Graded gravel road, bears N. 2° 50' E., and S. 2° 50' W.

40.00 Point for the ½ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R12W

$\frac{1}{2}$  S 9  
S16  
1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

Cont. over level desert land.

76.40 Drain ditch, drains SW.

80.00 The cor. of secs. 8, 9, 16 and 17.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

of a Portion of the Subdivision of T. 1 S., R. 12 W.

Chains

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.

Over level alkali crusted desert land.

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., 24 ins. in the ground,  
with brass cap mkd.

T1S R12W

S32|S33

1960

Deposit broken glass with iron post.

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

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., 24 ins. in the ground,  
with brass cap mkd.

T1S R12W

S29|S28

S32|S33

1960

Deposit broken glass with iron post.

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

Land, level.

Soil, clay with alkali.

Very little vegetation.

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 level alkali desert land.

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., 24 ins. in the ground,  
with brass cap mkd.

T1S R12W

S31|S32

1960

Deposit broken glass with iron post.

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

Cont. over level desert land.

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 mkd.

Survey of a Portion of the Subdivision of T. 1 S., R. 12 W.

Chains

T1S R12W  
S30 | S29  
S31 | S32  
1960

Deposit broken glass alongside iron post.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, clay with alkali.

Timber, none.

Very little vegetation.

From the cor. of secs. 28, 29, 32 and 33.

West, bet. secs. 29 and 32.

Over level alkali desert land.

40.00 Point for the ¼ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R12W  
¼ S29  
S32  
1960

Deposit broken glass alongside iron post.

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

Cont. over level desert land.

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

Land, level.

Soil, clay with alkali.

Timber, none.

Very little vegetation.

General Description

T. 1 S., R. 12 W., lies within the Great Salt Lake Desert and consists almost entirely of level desert land. There are a few low hills in the extreme northeast and southwest portions of the township. The township is generally covered with shadscale, except in the west portion, which has a few sand dunes and low muddy alkali spots void of vegetation. There is no timber.

U. S. Highway 40 enters the township on the east boundary of section 13, bears N. 89° 05' W. and leaves the township on the west boundary of section 18. The Western Pacific Railroad enters the township on the east boundary of section 24, bears westerly and leaves the township on the west boundary of section 19. Most of the township can be traveled with two or four wheel drive vehicles in dry season.

The elevation varies from about 4270 feet above sea level on the flat to about 4500 feet on the low hills. The soil is clay and is muddy and crusted with salt on the lowest portions of the township. No springs or fresh water was noted during the survey.



CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor  
pursuance of special instructions bearing date of the 22nd day of August,

I have surveyed a portion of the sub  
.....  
.....  
.....

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 that  
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 f  
field notes.

Salt Lake City, Utah  
February 7, 1961

*Craig P. Sylvester*  
Cadastral

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., MAY 1 1962, 19

The foregoing field notes of the survey of a portion of the subdivision of T. 1 S.. R.  
Salt Lake Meridian, Utah  
.....  
.....

executed by Craig P. Sylvester  
having been critically examined and found correct, are hereby approved.

*[Signature]*  
Chief, Division of Engineering

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T.  
R. 12 W., SLM, Utah, is a true copy of the original field notes.

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 1 SOUTH, RANGE 13 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

per special instructions dated August 22, 1960, which provided

the surveys included under Group No. 441, approved September 6, 1960

assignment instructions dated September 6, 1960

Survey commenced October 6, 1960

Survey completed October 24, 1960

# INDEX DIAGRAM

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Township 1 South, Range 13 West

Chains

The north boundary (Salt Lake Base Line) and the west boundary, were surveyed by Andrew Nelson in 1925. The south boundary was surveyed concurrently and appears in the field notes of T. 2 S., R. 13 W.

The following field notes are those of a survey of the east boundary and a portion of the subdivision deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transit No. 541325, 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 this 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 one-chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method.

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 40° 40' 52.13" N. and longitude 113° 15' 21.36" W., as adjusted from traverses to U. S. C. & G. S. triangulation station "Clive".

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 45' East.

Survey of the East Boundary of T. 1 S., R. 13 W.

Beginning at the cor. of Tps. 1 and 2 S., Rs. 12 and 13 W., monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of the N. bdy. of T. 2 S., R. 12 W.

North, bet. secs. 31 and 36.

Over level alkali desert land.

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, with brass cap mkd.

40.00

Survey of the East Boundary of T. 1 S., R. 13 W.

Chains

T1S  
R13W R12W  
¼  
S36 | S31  
1960

Deposit glass with iron post.  
Cont. over level desert land.

52.70 Enter sand dunes, bears NE. and SW.

80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S  
R13W R12W  
S25 | S30  
S36 | S31  
1960

Deposit glass with iron post.  
Land, level to rolling sand dunes.  
Soil, clay S. portion, sandy N. portion.  
Timber, none.  
Very scattered vegetation.

North, bet. secs. 25 and 30.  
Over gently rolling sandy desert land.

40.00 Point for the ¼ sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S  
R13W R12W  
¼  
S25 | S30  
1960

Deposit glass with iron post.  
Cont. over gently rolling sandy desert land.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S  
R13W R12W  
S24 | S19  
S25 | S30  
1960

Deposit glass with iron post.  
Land, gently rolling.  
Soil, sandy clay.  
Timber, none.  
Undergrowth, scattered shadscale.

Survey of the East Boundary of T. 1 S., R. 13 W.

Chains

North, bet. secs. 19 and 24.

Over gently rolling desert land.

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., 24 ins. in the ground, with brass cap mkd.

T1S  
R13W R12W  
1/4  
S24 | S19  
1960

Deposit glass with iron post.

Cont. over gently rolling desert land.

61.00

Power line parallel with railroad.

61.60

Western Pacific Railroad, bears N. 88° 05' W. and S. 88° 05' E.

79.80

Telephone line, bears E. and W.

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., 24 ins. in the ground, with brass cap mkd.

T1S  
R13W R12W  
S13 | S18  
S24 | S19  
1960

Deposit glass with iron post.

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

Land, gently rolling.

Soil, sandy clay.

Timber, none.

Undergrowth, scattered shadscale.

North, bet. secs. 13 and 18.

Over gently rolling sandy desert land.

15.62

U. S. Highway 40 and 50, bears N. 89° 07' W. and S. 89° 07' E.

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., 24 ins. in the ground, with brass cap mkd.

T1S  
R13W R12W  
1/4  
S13 | S18  
1960

Deposit glass with iron post.

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

Cont. over level alkali desert land.

## Survey of the East Boundary of T. 1 S., R. 13 W.

Chains  
80.00

Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S  
R13W R12W  
S12 | S 7  
S13 | S18  
1960

Deposit glass with iron post.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of iron post.

Land, level to gently rolling.

Soil, sandy clay S. portion; clay with alkali N. portion.

Timber, none.

Undergrowth, shadscale S. portion; no vegetation N. portion.

40.00

North, bet. secs. 7 and 12.

Over level alkali desert land.

Point for the ¼ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S  
R13W R12W  
¼  
S12 | S 7  
1960

Deposit broken glass with iron post.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Cont. over level desert land.

Telephone lines, bears E. and W.

40.40

80.00

Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S  
R13W R12W  
S1 | S6  
S12 | S 7  
1960

Deposit glass with iron post.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, clay with alkali.

No vegetation.

North, bet. secs. 1 and 6.

Over level alkali desert land.

Chains

40.00

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., 24 ins. in the ground, with brass cap mkd.

T1S  
R13W R12W  
‡  
S1|S6  
1960

Deposit glass with iron post.

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

Cont. over level desert land.

78.74

Intersect the Salt Lake Base Line.

Point for the closing cor. of T. 1 S., Rs. 12 and 13 W.

Set an iron post, 30 ins. long;  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T1N  
S31  
—  
S1|S6  
C C  
R13W R12W  
T1S  
1960

Deposit glass with iron post.

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

From this closing cor. the standard cor. of T. 1 N., Rs. 12 and 13 W. bears West 2.54 chs. dist., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

Land, level.

Soil, clay with alkali.

No vegetation.

Survey of a Portion of the Subdivision of T. 1 S., R. 13 W.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., monumented by an iron post,  $2\frac{1}{2}$  ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of the N. bdy. of T. 2 S., R. 13 W.

N.  $0^{\circ} 01'$  W., bet. secs. 35 and 36.

Over gently rolling desert land.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R13W  
‡  
S35|S36  
1960

Survey of a Portion of the Subdivision of T. 1 ., R. 13 W.

<p>Chains</p> <p>80.00</p>	<p>Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.</p> <p>Cont. over level muddy desert land.</p> <p>Point for the cor. of secs. 25, 26, 35 and 36.</p> <p>Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R13W S25 on NE. face, S26 on NW. face, S35 on SW. face and S36 on SE. face.</p> <p>Raise a mound of stone, 2 ft. base, 2 ft. high, N. of wood post.</p> <p>Land, gently rolling to level. Soil, sandy S. portion; clay N. portion. Timber, none.</p>
<p>40.00</p> <p>80.00</p>	<p>From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp. West, bet. secs. 25 and 36.</p> <p>Over level desert land.</p> <p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 25 and 36.</p> <p>Set an iron post, 30 ins. long, 2<math>\frac{1}{2}</math> ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T1S R13W <math>\frac{1}{4}</math> S25 S36 1960</p> <p>Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.</p> <p>Cont. over level desert land.</p> <p>The cor. of secs. 25, 26, 35 and 36.</p> <p>Land, level. Soil, clay, sandy in spots. Very little vegetation.</p>
<p>40.00</p> <p>80.00</p>	<p>From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., monumented by an iron post, 2<math>\frac{1}{2}</math> ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of the N. bdy. of T. 2 S., R. 13 W.</p> <p>N. 0° 02' W., bet. secs. 33 and 34.</p> <p>Over level muddy alkali land.</p> <p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 33 and 34.</p> <p>Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with <math>\frac{1}{4}</math> T1S R13W on the N. face, S33 on the W. face and S34 on the E. face.</p> <p>Raise a mound of stone, 2 ft. base, 2 ft. high, W. of post.</p> <p>Cont. over level desert land.</p> <p>Point for the cor. of secs. 27, 28, 33 and 34.</p>

Survey of a Portion of the Subdivision of T. 1 S., R. 13 W.

Chains

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R13W S27 on NE. face, S28 on NW. face, S33 on SW. face and S34 on SE. face.

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

Land, level.

Soil, muddy clay with alkali.

No vegetation.

N. 0° 02' W., bet. secs. 27 and 28.

Over nearly level alkali desert land.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 27 and 28.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R13W on N. face, S28 on W. face and S27 on E. face.

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

Cont. over level desert land.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R13W S22 on NE. face, S21 on NW. face, S28 on SW. face and S27 on SE. face.

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

Land, level.

Soil, clay with alkali.

No vegetation.

N. 0° 02' W., bet. secs. 21 and 22.

Over muddy alkali desert land.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 21 and 22.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R13W on N. face, S21 on W. face and S22 on E. face.

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

Cont. over level desert land.

68.70 Power line parallel with railroad.

69.91 Western Pacific Railroad, bears N. 88° 05' W. and S. 88° 05' E.

71.14 U. S. Highway 40°50 parallel with railroad.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R13W S15 on NE. face, S16 on NW. face, S21 on SW. face and S22 on SE. face.

Survey of a Portion of the Subdivision of T. 1 S., R. 13 W.

Chains

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of post.

Land, level.  
Soil, clay with alkali.  
No vegetation.

N. 0° 02' W., bet. secs. 15 and 16.

Over muddy alkali desert land.

7.00 Telephone line, bears E. and W.

40.00 Point for the ¼ sec. cor. of secs. 15 and 16.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with ¼ T1S R13W on N. face, S16 on W. face and S15 on E. face.

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

Cont. over level desert land.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R13W S10 on NE. face, S9 on NW. face, S16 on SW. face and S15 on SE. face.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of post.

Land, level.  
Soil, clay with alkali.  
No vegetation.

N. 0° 02' W., bet. secs. 9 and 10.

Over muddy alkali desert land.

40.00 Point for the ¼ sec. cor. of secs. 9 and 10.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with ¼ T1S R13W on N. face, S9 on W. face and S10 on E. face.

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

Cont. over level desert land.

41.62 Telephone line, bears E. and W.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R13W S3 on NE. face, S4 on NW. face, S9 on SW. face and S10 on SE. face.

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of post.

Land, level.  
Soil, clay with alkali.  
No vegetation.

of a Portion of the Subdivision of T. 1 S. R. 13 W.

Chains

N. 0° 02' W., bet. secs. 3 and 4.

Over level desert land.

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., 24 ins. in the ground with brass cap mkd.

T1S R13W  
1/4  
S4/S3  
1960

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

Cont. over level desert land.

64.00

Top of small sand ridge, bears E. and N. 20° W.

78.52

Intersect the Salt Lake Base Line.

Point for the closing cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T1N  
S34  
S4/S3  
C C  
T1S R13W  
1960

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, S. of cor.

From this closing cor. the standard cor. of secs. 33 and 34, T. 1 N., R. 13 W., bears West 2.66 chs. dist., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

Land, level.  
Soil, clay and scattered sand dunes.  
No vegetation.

Point for the cor. of secs. 2 and 3, T. 1 S., R. 13 W. is on the Salt Lake Base Line and is at proportionate dist. bet. the closing cor. of Tps. 1 S., Rs. 12 and 13 W. and the closing cor. of secs. 3 and 4.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1N S35 on N. face, S3 on W. face, T1S R13W on S. face and S2 on E. face.

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

From this cor. the standard cor. of secs. 34 and 35, T. 1 N., R. 13 W. bears West 2.62 chs. dist., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

## Survey of a Portion of the Subdivision of T. 1 S., R. 13 W.

Chains

Point for the  $\frac{1}{4}$  sec. cor. of sec. 2, T. 1 S., R. 13 W., is on the Salt Lake Base Line and is at a proportionate dist. bet. the closing cor. of Tps. 1 S., Rs. 12 and 13 W. and the closing cor. of secs. 3 and 4.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1N on the N. face and  $\frac{1}{4}$  T1S R13W S2 on the S. face.

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

From this cor. the standard  $\frac{1}{4}$  sec. cor. of sec. 35, T. 1 N., R. 13 W. bears West 2.60 chs. dist., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

Point for the cor. of secs. 1 and 2, T. 1 S., R. 13 W. is on the Salt Lake Base Line and is at a proportionate dist. bet. the closing cor. of T. 1 S., Rs. 12 and 13 W. and the closing cor. of secs. 3 and 4.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1N S36 on the N. face, S2 on the W. face, T1S R13W on the S. face and S1 on the E. face.

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

From this cor. the standard cor. of secs. 35 and 36, T. 1 N., R. 13 W. bears West 2.58 chs. dist., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

From the cor. of secs. 1 and 2 on the N. bdy. of the Tp.

S.  $0^{\circ} 01' E$ , bet. secs. 1 and 2.

Over level desert land with scattered sand dunes.

38.66 Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 2.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R13W on N. face, S2 on W. face and S1 on E. face.

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

Cont. over level desert land.

78.66 Point for the cor. of secs. 1, 2, 11 and 12.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R13W S1 on NE. face, S2 on NW. face, S11 on SW. face and S12 on SE. face.

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

Land, level.

Soil, clay with scattered sand dunes.

Very little vegetation.

Survey of a Portion of the Subdivision of T. 1 S., R. 13 W.

Chains

N. 89° 57' W. bet. secs. 2 and 11, on a course calculated to be bet. the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.

Over level desert land with scattered small sand dunes.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 11.  
Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R13W on W. face, S11 on S. face and S2 on N. face.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of post.

Cont. over level desert land.

80.00

Point for the cor. of secs. 2, 3, 10 and 11.  
Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R13W S2 on NE. face, S3 on NW. face, S10 on SW. face and S11 on SE. face.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of post.

Land, level.  
Soil, clay with scattered sand dunes.  
Very little vegetation.

N. 0° 06' W., bet. secs. 2 and 3.

Over nearly level desert land.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 3.  
Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R13W on N. face, S3 on W. face and S2 on E. face.

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

Cont. over level desert land.

78.60

The cor. of secs. 2 and 3, on the N. bdy. of the Tp.

Land, level.  
Soil, muddy clay with scattered sand dunes.  
Very little vegetation.

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

40.00

West, bet. secs. 16 and 21.  
Point for the  $\frac{1}{4}$  sec. cor. of secs. 16 and 21.  
Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R13W on W. face, S16 on N. face and S21 on S. face.

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

Cont. over level desert land.

80.00

Point for the cor. of secs. 16, 17, 20 and 21.

Survey of a Portion of the Subdivision of T. 1 S., R. 13 W.

Chains

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R13W S16 on NE. face, S17 on NW. face, S20 on SW. face and S21 on SE. face.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of post.

Land, level.

Soil, muddy clay, scattered sand dunes.

Very little vegetation.

N. 0° 03' W., bet. secs. 16 and 17.

Over level desert land.

10.10 Telephone line, bears E. and W.

40.00 Point for the ¼ sec. cor. of secs. 16 and 17.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with ¼ T1S R13W on N. face, S17 on W. face and S16 on E. face.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of post.

Cont. over level desert land.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R13W S9 on NE. face, S8 on NW. face, S17 on SW. face and S16 on SE. face.

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

Land, nearly level.

Soil, clay, scattered small sand dunes.

Very little vegetation.

From the cor. of secs. 9, 10, 15 and 16,

West, bet. secs. 9 and 16.

Over level alkali desert land.

40.00 Point for the ¼ sec. cor. of secs. 9 and 16.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with ¼ T1S R13W on W. face, S16 on S. face and S9 on N. face.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of post.

Cont. over level alkali land.

80.00 The cor. of secs. 8, 9, 16 and 17.

Land, level.

Soil, clay with alkali.

No vegetation.

of a Portion of the Subdivision of T. 1 S., R. 13 W.

Chains

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., monumented by an iron post, 2 1/2 ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of the N. bdy. of T. 2 S., R. 13 W.

N. 0° 03' W., bet. secs. 32 and 33.

Over nearly level desert land.

40.00 Point for the 1/4 sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.

T1S R13W  
1/4  
S32 | S33  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Cont. over level desert land.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R13W S28 on NE. face, S29 on NW. face, S32 on SW. face and S33 on SE. face.

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

Land, nearly level:

Soil, clay, small sand dunes.

Vegetation, scattered shadscale.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., monumented by an iron post, 2 1/2 ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of the N. bdy. of T. 2 S., R. 13 W.

N. 0° 03' W., bet. secs. 31 and 32.

Over level desert land with small sand dunes.

40.00 Point for the 1/4 sec. cor. of secs. 31 and 32.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with 1/4 T1S R13W on N. face, S31 on W. face and S32 on E. face.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of post.

Cont. over level desert land.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R13W S29 on NE. face, S30 on NW. face, S31 on SW. face and S32 on SE. face.

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

Land, level.

Soil, muddy clay, scattered small sand dunes.

Very little vegetation.

## Survey of a Portion of the Subdivision of T. 1 S., R. 13 W.

Chains

From the cor. of secs. 28, 29, 32 and 33.

West, bet. secs. 29 and 32.

Over level desert land with small sand dunes.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 29 and 32.Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R13W

 $\frac{1}{4}$  S29  
S32

1960

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

Cont. over level desert land.

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

Land, level.

Soil, muddy clay, scattered small sand dunes.

Vegetation, scattered shadscale.

## General Description

T. 1 S., R. 13 W. lies in the Great Salt Lake Desert and consists of level to gently rolling desert land, with the exception of the southeast portion which has some low hills and sand dunes.

The soil consists of clay on the flats and sand with rock outcrops in the hills. The water level being near the surface, the clay flats are damp and muddy and very alkali.

U. S. Highway 40 enters the township on the east boundary of section 13 and leaves on the west boundary of section 19. The Western Pacific Railroad enters the township on the east boundary of section 24 and leaves on the west boundary of section 19. The railroad and highway join at Knolls, a small settlement consisting of a service station, cafe and railroad houses, and parallel each other through the remainder of the township. Most of the township can be traveled with 4-wheel drive vehicles in dry season.

The elevations varies from about 4230 to 4400 feet above sea level. No springs or fresh water were noted during the survey.



CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 22nd day of August,

I have surveyed the east boundary and a portion of the subdivision of T. 1 S. Salt Lake Meridian, Utah

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  
February 8, 1961

*Craig P. Sylvester*  
Craig P. Sylvester  
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., MAY 1 1962, 19

The foregoing field notes of the survey of the east boundary and a portion of the subdivision of T. 1 S., R. 13 W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

*[Signature]*  
Cadastral Engineering Staff Officer  
Chief, Division of Engineers

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 1 S., R. 13 W., SLM, Utah, is a true copy of the original field notes.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL  
FIELD NOTES

OF THE

SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 1 SOUTH, RANGE 14 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

per special instructions dated August 22, 1960, which provided

the surveys included under Group No. 441, approved September 6, 1960

assignment instructions dated September 6, 1960

Survey commenced October 13, 1960

Survey completed October 18, 1960

# INDEX DIAGRAM

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Township 1 South, Range 14 West

Chains

The east, north (Salt Lake Base Line), west and south boundaries were surveyed by Andrew Nelson in 1925.

The following field notes are those of a survey of a portion of the subdivision deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transit No. 541325, 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 this 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 one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method.

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  $40^{\circ} 40' 48.09''$  N. and longitude  $113^{\circ} 22' 10.87''$  W., as adjusted from traverses to U.S.C. & G. S. triangulation station "Clive."

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be  $16^{\circ} 45'$  East.

Survey of a Portion of the Subdivision of T. 1 S., R. 14 W.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., monumented with a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

N.  $0^{\circ} 01'$  W., bet. secs. 35 and 36.

Over muddy alkali desert land.

Point for the  $\frac{1}{4}$  sec. cor. of secs. 35 and 36.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T18 R14W on N. face, S35 on W. face and S36 on E. face.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of post.

Cont. over barren desert land.

40.00

of a Portion of the Subdivision of T. 1 S. R. 14 W.

Chains

80.00

Point for the cor. of secs. 25, 26, 35 and 36.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R14W S25 on NE. face, S26 on NW. face, S35 on SW. face and S36 on SE. face.

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

Land, level.  
Soil, muddy clay with alkali.  
No vegetation.

From the cor. of secs. 25 and 36, on the E. bdy. of the Tp., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record. This cor. was defaced to function as the cor. of secs. 25 and 36, T. 1 S., R. 14 W. only.

S. 89° 58' W., bet. secs. 25 and 36.

Over level desert land.

39.96

Point for the 1/4 sec. cor. of secs. 25 and 36.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R14W on W. face, S36 on S. face and S25 on N. face.

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

Cont. over level desert land.

79.92

The cor. of secs. 25, 26, 35 and 36.

Land, level.  
Soil, muddy clay with alkali.  
No vegetation.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

N. 0° 02' W., bet. secs. 33 and 34.

Over level desert land with small sand dunes.

40.00

Point for the 1/4 sec. cor. of secs. 33 and 34.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with 1/4 T1S R14W on N. face, S33 on W. face and S34 on E. face.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Cont. over level desert land.

Point for the cor. of secs. 27, 28, 33 and 34.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Cont. over level desert land.

80.00

Point for the cor. of secs. 27, 28, 33 and 34.

Survey of a Portion of the Subdivision of T. 1 S., R. 14 W.

Chains

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R14W S27 on NE. face, S28 on NW. face, S33 on SW. face and S34 on SE. face.

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

Land, level.

Soil, muddy clay, scattered small sand dunes.

No vegetation.

N. 0° 02' W., bet. secs. 27 and 28.

Over muddy level desert land.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 27 and 28.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R14 W. on N. face, S28 on W. face and S27 on E. face.

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

Cont. over level desert land.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R14W S22 on NE. face, S21 on NW. face, S28 on SW. face and S27 on SE. face.

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

Land, level.

Soil, muddy clay with alkali.

No vegetation.

N. 0° 02' W., bet. secs. 21 and 22.

Over muddy alkali desert land.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 21 and 22.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R14W on N. face, S21 on W. face and S22 on E. face.

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

Cont. over level desert land.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R14W S15 on NE. face, S16 on NW. face, S21 on SW. face and S22 on SE. face.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Land, level.

Soil, muddy clay with alkali.

No vegetation.

Survey of a Portion of the Subdivision of T. 1 S., R. 14 W.

Chains

N. 0° 02' W., bet. secs. 15 and 16.

Over nearly level desert land.

10.26 Telephone line, parallel to railroad.

11.03 Western Pacific Railroad, bears N. 88° 09' W. and S. 88° 09' E.

12.85 Center of U. S. Highway 40-50, parallel to railroad.

29.08 Telephone line, bears E. and W.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 15 and 16.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R14W on N. face, S16 on W. face and S15 on E. face.

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

Cont. over level desert land.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R14W S10 on NE. face, S9 on NW. face, S16 on SW. face and S15 on SE. face.

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

Land, level.

Soil, muddy clay with alkali.

No vegetation.

N. 0° 02' W., bet. secs. 9 and 10.

Over level desert land.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 9 and 10.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R14W on N. face, S9 on W. face and S10 on E. face.

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

Cont. over level desert land.

50.50 Telephone line, bears E. and W.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R14W S3 on NE. face, S4 on NW. face, S9 on SW. face and S10 on SE. face.

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

Land, level.

Soil, muddy clay with alkali.

No vegetation.

N. 0° 02' W., bet. secs. 3 and 4.

Over level desert land.

## Survey of a Portion of the Subdivision of T. 1 S., R. 14 W.

Chains

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 3 and 4.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R14W on N. face, S4 on W. face and S3 on E. face.

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

Cont. over level desert land.

84.64

Intersect the Salt Lake Base Line.

Point for the closing cor. of secs. 3 and 4.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1N R14W S34 on N. face, S4 CC on W. face, T1S R14W on S. face and S3 CC on E. face.

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

From this closing cor. the standard cor. of secs. 33 and 34, T. 1 N., R. 14 W. bears West 4.43 chs. dist., mkd. by a wood post, 4x4 ins., set, mkd. and witnessed as described in the official record.

Land, level.

Soil, muddy clay with alkali.

Very little vegetation.

Point for the cor. of secs. 2 and 3, T. 1 S., R. 14 W. is on the Salt Lake Base Line and is at proportionate dist. bet. the closing cor. of secs. 3 and 4 and the closing cor. of T. 1 S., Rs. 13 and 14 W.

Set a wood post, 4x4 ins., 5 ft. long, 3 ft. in the ground, scribed with T1N R14W S35 on N. face, T1S R14W on S. face, S3 on W. face and S2 on E. face.

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

From this cor. the standard cor. of secs. 34 and 35, T. 1 N., R. 14 W. bears West 4.49 chs. dist., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

Point for the cor. of secs. 1 and 2, T. 1 S., R. 14 W. is on the Salt Lake Base Line and is at proportionate dist. bet. the closing cor. of Tps. 1 S., Rs. 13 and 14 W. and the closing cor. of secs. 3 and 4.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1N R14W S36 on the N. face, T1S R14W on the S. face, S2 on the W. face and S1 on the E. face.

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

From this cor. the standard cor. of secs. 35 and 36, T. 1 N., R. 14 W. bears West 4.55 chs. dist., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

## Survey of a Portion of the Subdivision of T. 1 S., R. 14 W.

## Chains

Point for the  $\frac{1}{4}$  sec. cor. of sec. 2 is on the Salt Lake Base Line and is midpoint bet. the cor. of secs. 1 and 2, and the cor. of secs 2 and 3.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1N R14W on the N. face and  $\frac{1}{4}$ T1S R14W S2 on the S. face.

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

From this  $\frac{1}{4}$  sec. cor. the standard  $\frac{1}{4}$  sec. cor. of sec. 35, T. 1 N., R. 14 W., bears West 4.52 chs. dist., mkd. by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

From the cor. of secs. 1 and 2, on the N. bdy. of the Tp.

S.  $0^{\circ} 01'$  E., bet. secs. 1 and 2.

Over nearly level alkali desert land.

44.60 Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 2.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R14W on N. face, S2 on W. face and S1 on E. face.

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

Cont. over level desert land.

84.60 Point for the cor. of secs. 1, 2, 11 and 12.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R14W S1 on NE. face, S2 on NW. face, S11 on SW. face and S12 on SE. face.

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

Land, level.

Soil, damp clay with alkali.

Very little vegetation.

S.  $89^{\circ} 59'$  W., bet. secs. 2 and 11, on a course calculated to be bet. the cor. of secs. 1 and 12, on the E. bdy. and the cor. of secs 3, 4, 9 and 10.

Over level alkali desert land.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 11.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R14W on W. face, S2 on N. face and S11 on S. face.

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

Cont. over level desert land.

80.00 Point for the cor. of secs. 2, 3, 10 and 11.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R14W S2 on NE. face, S3 on NW. face, S10 on SW. face and S11 on SE. face.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Survey of a Portion of the Subdivision of T. 1 S., R. 14 W.

Chains	<p>Land, level. Soil, damp clay with alkali. Very little vegetation.</p>
<p>N. 0° 03' W., bet. secs. 2 and 3.</p>	<p>Over level alkali desert land.</p>
40.00	<p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 2 and 3.</p> <p>Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with <math>\frac{1}{4}</math> T1S R14W on N. face, S3 on W. face and S2 on E. face.</p> <p>Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.</p> <p>Cont. over level desert land.</p>
84.59	<p>The cor. of secs. 2 and 3, on the N. bdy. of the Tp.</p> <p>Land, level. Soil, damp clay with alkali. Very little vegetation.</p>
40.00	<p>From the cor. of secs. 15, 16, 21 and 22.</p> <p>West, bet. secs. 16 and 21.</p> <p>Over nearly level alkali desert land.</p> <p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 16 and 21.</p> <p>Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with <math>\frac{1}{4}</math> T1S R14W on W. face, S16 on N. face and S21 on S. face.</p> <p>Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.</p> <p>Cont. over level desert land.</p>
80.00	<p>Point for the cor. of secs. 16, 17, 20 and 21.</p> <p>Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R14W S16 on NE. face, S17 on NW. face, S20 on SW. face and S21 on SE. face.</p> <p>Raise a mound of stone, 2<math>\frac{1}{2}</math> ft. base, 2 ft. high, W. of cor.</p> <p>Land, level. Soil, damp clay with alkali. Very little vegetation.</p>
12.85	<p>N. 0° 03' W., bet. secs. 16 and 17.</p> <p>Over nearly level alkali desert land.</p> <p>Power line parallel with railroad.</p>
13.55	<p>Western Pacific Railroad, bears N. 88° 10' W. and S. 88° 10' E.</p>
15.38	<p>Highway, U. S. 40-50, parallel with railroad.</p>
31.58	<p>Telephone line, bears E. and W.</p>

Survey of a Portion of the Subdivision of T. 1 S., R. 14 W.

Chains

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 16 and 17.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R14W on N. face, S17 on W. face and S16 on E. face.

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

Cont. over level desert land.

80.00

Point for the cor. of secs. 8, 9, 16 and 17.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R14W S9 on NE. face, S8 on NW. face, S17 on SW. face and S16 on SE. face.

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

Land, level.

Soil, muddy clay with alkali.

Very little vegetation.

From the cor. of secs. 9, 10, 15 and 16.

West, bet. secs. 9 and 16.

Over level alkali desert land.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 9 and 16.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R14W on W. face, S16 on S. face and S9 on N. face.

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

Cont. over level desert land.

80.00

The cor. of secs. 8, 9, 16 and 17.

Land, level.

Soil, muddy clay with alkali.

Very little vegetation.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 32 and 33.

Over level alkali desert land.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 32 and 33.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with  $\frac{1}{4}$  T1S R14W on N. face, S32 on W. face and S33 on E. face.

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

Cont. over level desert land.

80.00

Point for the cor. of secs. 28, 29, 32 and 33.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R14W S28 on NE. face, S29 on NW. face, S32 on SW. face and S33 on SE. face.

## Survey of a Portion of the Subdivision of T. 1 S., R. 14 W.

Chains	Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
<p>Land, level. Soil, muddy clay with alkali. No vegetation.</p>	<p>From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., monumented with a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record.</p>
<p>N. 0° 03' W., bet. secs. 31 and 32.</p>	<p>Over level alkali desert land.</p>
40.00	<p>Point for the ¼ sec. cor. of secs. 31 and 32.</p> <p>Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with ¼ T1S R14W on N. face, S31 on W. face and S32 on E. face.</p>
<p>Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.</p>	<p>Cont. over level desert land.</p>
80.00	<p>Point for the cor. of secs. 29, 30, 31 and 32.</p> <p>Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T1S R14W S29 on NE. face, S30 on NW. face, S31 on SW. face and S32 on SE. face.</p>
<p>Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.</p>	<p>Land, level. Soil, muddy clay with alkali. No vegetation.</p>
<p>From the cor. of secs. 28, 29, 32 and 33.</p>	<p>West, bet. secs. 29 and 32.</p>
<p>Over level alkali desert land.</p>	40.00
<p>Point for the ¼ sec. cor. of secs. 29 and 32.</p>	<p>Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with ¼ T1S R14W on W. face, S32 on S. face and S29 on N. face.</p>
<p>Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.</p>	<p>Cont. over level desert land.</p>
80.00	<p>The cor. of secs. 29, 30, 31 and 32.</p>
<p>Land, level. Soil, muddy clay with alkali. No vegetation.</p>	

Survey of a Township of Salt Lake Region West

Chains

General Description

T. 1 S., R. 14 W. lies within the Great Salt Lake Desert and consists of level alkali land with the exception of a few low hills and sand dunes in the southwest portion of the township. There is no timber and the only undergrowth consists of scattered shadscale and salt brush on scattered small sand dunes.

U. S. Highway 40-50 and the Western Pacific Railroad enter the township on the east boundary of section 24, parallel each other on bearing of N. 88° 10' W. across the township and leave the township on the west boundary of section 18.

The soil is mainly clay with some sand dunes and rock outcrops in the low hills. The water level being near the surface the clay flats are muddy and damp.

The elevation is about 4220 feet above sea level. No springs or fresh water were noted during the survey.



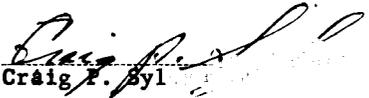
CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 22nd day of August

I have surveyed a portion of the subdivision of T. 1 S., R. 14 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 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  
February 9, 1961

  
Craig P. Sylvester  
Cadastral Surveyor

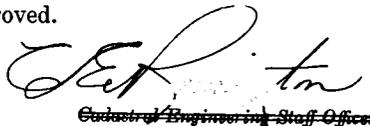
CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., MAY 1 1962, 19

The foregoing field notes of the survey of a portion of the subdivision of T. 1 S., R. 14 W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester, Cadastral Surveyor

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

  
~~Cadastral Engineering Staff Officer~~  
Chief, Division of Engineer

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 1 R. 14 W., SLM, Utah, is a true copy of the original field notes.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY OF THE NORTH BOUNDARY

AND A

PORTION OF THE SUBDIVISION

OF

TOWNSHIP 2 SOUTH, RANGE 12 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

er special instructions dated August 22, 1960, which provided

the surveys included under Group No. 441, approved September 6, 1960

assignment instructions dated September 6, 1960

Survey commenced September 28, 1960

Survey completed October 10, 1960

# INDEX DIAGRAM

Township 2 South, Range 12 West

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

Township 2 South, Range 12 West

Chains

The east boundary was surveyed by Miller and Clark in 1913. The south boundary lies within the Wendover Bombing and Gunnery Range and was not surveyed. A portion of the west boundary was surveyed concurrently and appears in the field notes of T. 2 S., R. 13 W.

The following field notes are those of a survey of the north boundary and a portion of the subdivision deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transit No. 541325, 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.

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 corner of sections 13, 18, 19 and 24 on the east boundary of the township, is at latitude 40° 38' 15.64"N. and longitude 113° 08' 31.78" W., as adjusted from traverses to U. S. G. S. triangulation station "Clive." C. &

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 45' East.

Survey of the North Boundary of T. 2 S., R. 12 W.

Beginning at the cor. of Tps. 1 and 2 S., Rs. 11 and 12 W., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

West, bet. secs. 1 and 36.

Over rolling desert land.

Base of low hills, bears S. and N. about 15 chs. to end; asc. 50 ft. over E. slope.

13.90

**Survey of the North Boundary of T. 2 S., R. 12 W.**

- Chains
- 20.40 Spur, slopes N. about 15 chs. to end.; desc. 40 ft. over W. slope.
- 35.30 Bottom of small ravine, drains N.; asc. 50 ft. over E. slope of rocky spur.
- 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. diam., 14 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
- T1S R12W  
 $\frac{1}{4}$  S36  
S 1  
T2S  
1960
- Cor. falls on top of rocky spur which slopes N. about 8 chs. to end.
- Desc. 50 ft. over W. slope of spur.
- 47.90 Base of spur, bears S. and N. about 8 chs. to end, thence over level desert land.
- 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., 24 ins. in the ground with brass cap mkd.
- T1S R12W  
S35 S36  
S2 S1  
T2S  
1960
- Raise a mound of stone, 2 ft. base, 2 ft. high, N. of iron post.
- Land, hilly E. portion, level W. portion.  
Soil, rocky on hills, clay on flats.  
Timber, none.  
Undergrowth, shadscale.
- West, bet. secs. 2 and 35.
- Over level desert land covered with shadscale.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 35.
- Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground with brass cap mkd.
- T1S R12W  
 $\frac{1}{4}$  S35  
S 2  
T2S  
1960
- Raise a mound of stone,  $2\frac{1}{2}$  ft. base, 2 ft. high, N. of iron post.
- Cont. over level desert land.
- 80.00 Point for the cor. of secs. 2, 3, 34 and 35.
- Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground with brass cap mkd.

Survey of the North Boundary of T. 2 S., R. 12 W.

Chains

T1S R12W  
S34 | S35  
S3 | S2  
T2S  
1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of iron post.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

West, bet. secs. 3 and 34.

Over level desert land covered with shadscale.

Point for the ¼ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R12W  
¼ S34  
S 3  
T2S  
1960

Raise a mound of stone, 2 ft. base, 2 ft. high, N. of iron post.

Cont. over level desert land.

Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R12W  
S33 | S34  
S 4 | S 3  
T2S  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of iron post.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

West, bet. secs. 4 and 33.

Over level desert land covered with shadscale.

Top of sand dunes, bears N. and S., thence across level muddy bottom land; leave vegetation.

Point for the ¼ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the North Boundary of T1S R12W

Chains

T1S R12W  
 $\frac{1}{4}$  S33  
 S 4  
 T2S  
 1960

No accessories available.

Cont. over level barren land.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.  
 Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the gr with brass cap mkd.

T1S R12W  
 S32 | S33  
 S5 | S4  
 T2S  
 1960

Deposit glass by iron post.

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of iron post.

Land, level with sand dunes E. portion; level W. portion.  
 Soil, clay and sand dunes.  
 Timber, none.  
 Undergrowth, shadscale, E. portion; none on W. portion.

West, bet. secs. 5 and 32.

Over level muddy alkali land.

40.00 Point for the ¼ sec. cor. of secs. 5 and 32.  
 Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the gr with brass cap mkd.

T1S R12W  
 $\frac{1}{4}$  S32  
 S 5  
 T2S  
 1960

No accessories available.

Cont. across muddy alkali land.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.  
 Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the gr with brass cap mkd.

T1S R12W  
 S31 | S32  
 S6 | S5  
 T2S  
 1960

Deposit glass by iron post.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of iron post.

Land, level.  
 Soil, clay with alkali.  
 No vegetation.

Survey of the North Boundary of T. 2 S., R. 12 W.

Chains

West, bet. secs. 6 and 31.

Over level muddy alkali land.

8.00 Leave muddy alkali land, thence over gently rolling desert land with scattered shadscale.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T1S R12W

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

T2S

1960

Cont. over gently rolling desert land.

78.14 Point for the cor. of Tps. 1 and 2 S., Rs. 12 and 13 W., in accordance with the special instructions.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S

R13W R12W

$\frac{S36}{S1}$  |  $\frac{S31}{S6}$

T2S

1960

Raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of iron post.

Land, gently rolling.

Soil, clay and sand.

Timber, none.

Undergrowth, shadscale.

Survey of a Portion of the Subdivision of T. 2 S., R. 12 W.

From the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

West, bet. secs. 13 and 24,

Over rolling desert land; asc. 190 ft. over E. slope.

7.20 Top of small hill, bears N. and S.; desc. 150 ft. over W. slope.

5.90 Base of same hill, bears N. and S.; thence over level desert land.

0.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 13 and 24.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.

## Survey of a Portion of the Subdivision of T. 2 S., R. 12 W.

Chains

T2S R12W

$$\frac{1}{4} \frac{S13}{S24}$$

1960

Cont. over level desert land.

80.00 Point for the cor. of secs. 13, 14, 23 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground in a collar of stone, with brass cap mkd.

T2S R12W

$$\frac{S14}{S23} \frac{S13}{S24}$$

1960

Land, rolling E. portion; level W. portion.

Soil, sandy E. portion; clay W. portion.

Timber, none.

Undergrowth, shadscale.

West, bet. secs. 14 and 23.

Over level desert land covered with shadscale.

40.00 Point for the ¼ sec. cor. of secs. 14 and 23.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground in a collar of stone, with brass cap mkd.

T2S R12W

$$\frac{1}{4} \frac{S14}{S23}$$

1960

Cont. over level desert land.

80.00 Point for the cor. of secs. 14, 15, 22 and 23.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground in a collar of stone, with brass cap mkd.

T2S R12W

$$\frac{S15}{S22} \frac{S14}{S23}$$

1960

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

West, bet. secs. 15 and 22.

Over level desert land covered with shadscale.

40.00 Point for the ¼ sec. cor. of secs. 15 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground in a collar of stone, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 2 S., R. 12 W.

Chains

T2S R12W  
 $\frac{S15}{S22}$   
 1960

Cont. over level desert land.

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, in a collar of stone, with brass cap mkd.

T2S R12W  
 $\frac{S16|S15}{S21|S22}$   
 1960

Land, level.  
 Soil, clay.  
 Timber, none.  
 Undergrowth, shadscale.

West, bet. secs. 16 and 21.

Over level desert land covered with shadscale.

40.00 Point for the ¼ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.

T2S R12W  
 $\frac{S16}{S21}$   
 1960

Cont. over level desert land.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.

T2S R12W  
 $\frac{S17|S16}{S20|S21}$   
 1960

Land, level.  
 Soil, clay.  
 Timber, none.  
 Undergrowth, shadscale.

West, bet. secs. 17 and 20.

Over gently rolling land covered with shadscale.

40.00 Point for the ¼ sec. cor. of secs. 17 and 20.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

Chains

T2S R12W

 $\frac{1}{4}$   $\frac{S17}{S20}$   
1960

Cont. over level desert land.

41.50 Enter rolling sand dunes.

80.00 Point for the cor. of secs. 17, 18, 19 and 20.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T2S R12W

 $\frac{S18}{S19}$  |  $\frac{S17}{S20}$   
1960

Land, gently rolling.

Soil, sandy.

Timber, none.

Undergrowth, shadscale.

West, bet. secs. 18 and 19.

Over rolling desert land, through sand dunes.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 18 and 19.Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T2S R12W

 $\frac{1}{4}$   $\frac{S18}{S19}$   
1960

Cont. over sand dunes.

78.63 The cor. of secs. 13, 18, 19 and 24, on the W. bdy. of the Tp., monumented by an iron post,  $2\frac{1}{2}$  ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of the E. bdy. of T. 2 S., R. 13 W.

Land, rolling.

Soil, sandy.

Timber, none.

Undergrowth, shadscale.

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

N.  $0^{\circ} 02'$  W., bet. secs. 15 and 16.

Over level desert land covered with shadscale.

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., 22 ins. in the ground, in a collar of stone, with brass cap mkd.

T2S R12W

## Survey of a Portion of the Subdivision of T. 2 S., R. 12 W.

Chains	
80.00	<p style="text-align: center;">T2S R12W  <math>\frac{S16}{S15}</math>  1960</p> <p>Cont. over level desert land.</p> <p>Point for the cor. of secs. 9, 10, 15 and 16.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T2S R12W  <math>\frac{S9}{S16}   \frac{S10}{S15}</math>  1960</p> <p>Land, level.  Soil, sandy clay.  Timber, none.  Undergrowth, shadscale.</p>
40.00	<p>N. 0° 02' W., bet. secs. 9 and 10.</p> <p>Over level desert land covered with shadscale.</p> <p>Point for the ¼ sec. cor. of secs. 9 and 10.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T2S R12W  <math>\frac{S9}{S10}</math>  1960</p> <p>Deposit broken glass with iron post.</p> <p>Cont. over level desert land.</p>
80.00	<p>Point for the cor. of secs. 3, 4, 9 and 10.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T2S R12W  <math>\frac{S4}{S9}   \frac{S3}{S10}</math>  1960</p> <p>Deposit glass with iron post.</p> <p>Land, level.  Soil, clay.  Timber, none.  Undergrowth, shadscale.</p>
40.00	<p>N. 0° 08' W., bet. secs. 3 and 4.</p> <p>Over level desert land, covered with shadscale.</p> <p>Point for the ¼ sec. cor. of secs. 3 and 4.</p>

Survey of a Portion of the Subdivision of T. 2 E. R. 12 W.

Chains

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.

T2S R12W

1/4  
S4|S3  
1960

Deposit glass with iron post.

Cont. over level desert land.

80.13

The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp.

Land, level.  
Soil, clay.  
Timber, none.  
Undergrowth, shadscale.

From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 2 and 3.

Over level desert land covered with shadscale.

40.08

Point for the 1/4 sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S R12W

1/4  
S3|S2  
1960

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of iron post.

Cont. over level desert land.

80.08

Point for the cor. of secs. 2, 3, 10 and 11, at a position calculated to be bet. the cor. of secs. 1, 6, 7 and 12, on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S R12W

S3|S2  
S10|S11  
1960

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of iron post.

Land, level.  
Soil, clay.  
Timber, none.  
Undergrowth, shadscale.

N. 89° 58' E., bet. secs. 2 and 11, on a course calculated to be bet. the cor. of secs. 1, 6, 7 and 12, on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.

Over nearly level desert land covered with shadscale.

Survey of a Portion of the Subdivision of T. 2 S., R. 12 W.

Chains

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S R12W

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

S11

1960

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

Cont. over level desert land.

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.

T2S R12W

S2 | S1

S11 | S12

1960

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of iron post.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

North, bet. secs. 1 and 2.

Over level desert land covered with shadscale.

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., 24 ins. in the ground, with brass cap mkd.

T2S R12W

$\frac{1}{4}$

S2 | S1

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of iron post.

Cont. over level desert land.

80.05

The cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

From the cor. of secs. 16, 17, 20 and 21.

N.  $0^{\circ} 03'$  W., bet. secs. 16 and 17.

Over level desert land covered with shadscale.

## Survey of a Portion of the Subdivision of T. 2 S., R. 12 W.

Chains

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 16 and 17.Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S R12W

$$\frac{\frac{1}{4}}{S17 | S16}$$
 1960
Raise a mound of stone,  $2\frac{1}{2}$  ft. base, 2 ft. high, W. of iron post.

Cont. over level desert land.

80.00

Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S R12W

$$\frac{S8 | S9}{S17 | S16}$$
 1960
Raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of iron post.

Land, level desert.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

From the cor. of secs. 9, 10, 15 and 16.

West, bet. secs. 9 and 16.

Over level desert land covered with shadscale.

40.00

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., 24 ins. in the ground, with brass cap mkd.

T2S R12W

$$\frac{\frac{1}{4} S 9}{S16}$$
 1960
Raise a mound of stone,  $2\frac{1}{2}$  ft. base, 2 ft. high, N. of iron post.

Cont. over level desert land.

80.00

The cor. of secs. 8, 9, 16 and 17.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

## General Description

T. 2 S., R. 12 W. lies entirely in the Great Salt Lake Desert and consists of level desert land with the exception of some low rolling hills near the west and east boundaries. The east portion is in spots with low sand dunes.

Township 2 South, Range 12 West

Chains

The vegetation consists of shadscale. There is no timber. No roads are within the township, but most of it can be traveled with two or four wheel drive vehicles in dry seasons.

The elevation varies from about 4290 to 4500 feet above sea level. No permanent water was noted during the survey.

**Chains**

1950-1951

The following table shows the number of chains in operation at the end of the year 1950-1951, compared with the number at the end of the year 1949-1950. The number of chains in operation at the end of the year 1950-1951 is 1,234, compared with 1,187 at the end of the year 1949-1950. This represents an increase of 47 chains, or 3.9%.



CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, Cadastral Surveyor, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 22nd day of August,

I have surveyed the north boundary and a portion of the T. 2 S., R. 12 W., SLM, Utah

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 field notes.

Salt Lake City, Utah  
February 13, 1961

*Craig P. Sylvester*  
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., MAY 1 1962, 1962

The foregoing field notes of the survey of the north boundary and a portion of the vision of T. 2 S., R. 12 W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

*F. E. Little*  
Chief, Division of

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 2 S., R. 12 W., SLM, Utah, is a true copy of the original field notes.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

# FIELD NOTES

~~OF THE~~ ~~DEPENDENT~~ RESURVEY

OF A PORTION OF THE EAST BOUNDARY

OF TOWNSHIP 4 NORTH, RANGE 17 WEST

WITH ESTABLISHMENT OF CORNERS FOR A PORTION OF THE WEST BOUNDARY

OF TOWNSHIP 3 NORTH, RANGE 16 WEST

AND THE SURVEY

OF THE EAST AND NORTH BOUNDARIES

AND A PORTION OF THE SUBDIVISIONAL LINES

OF TOWNSHIP 3 NORTH, RANGE 16 WEST

Of the SALT LAKE Meridian,

of the State of UTAH

EXECUTED BY

Boyd S. Owens, Cadastral Surveyor

per special instructions dated July 28, 1960, which provided

the surveys included under Group No. 442, approved July 29, 1960

assignment instructions dated July 29, 1960

Survey commenced September 1, 1960

Survey completed September 19, 1960

# INDEX DIAGRAM

Township 3 North, Range 16 West

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## Township 3 North, Range 16 West

Chains

The south boundary of the Township was surveyed by A. Nelson in 1926, and is represented upon the plat of Township 2 North, Range 16 West, accepted February 28, 1927. A portion of the West boundary was surveyed concurrently with the following survey under group 442, and is described in the field notes of Township 3 North, Range 17 West.

The following field notes are those of a dependent resurvey of a portion of the East boundary of Township 4 North, Range 17 West, with the establishment of corners for a portion of the West boundary of Township 3 North, Range 16 West, and the survey of the East and North boundaries and a portion of the subdivisional lines of Township 3 North, Range 16 West.

The survey was executed with a W. & L. E. Gurley solar transit No. 591189, 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 this 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 one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximate as scaled from United States Geological Survey topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being well 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  $40^{\circ}57'03.32''$  North and longitude  $113^{\circ}36'39.79''$  West, as adjusted from traverses to U.S.C. & G.S. triangulation station "Silver" located in sec. 33, T. 3 N., R. 17 W.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be  $17^{\circ}30'$  East.

Dependent Reserve Portion of E. Bdy. T. 4 N., R. 17 W.

Chains

Dependent Resurvey of a Portion of the East Boundary of T. 4 N., R. 17

Reestablishment of the surveys executed by A. Hanson in 1903 with the establishment of corners for Township 3 North, Range 16 West, at regular intervals latitudinally from the corner of sections 7, 12, 13, and 18, Township 3 North, Ranges 16 and 17 West.

Beginning at the Southeast corner of Township 4 North, Range 17 West, monumented with a fir post, 4 inches square, described in the field notes of the dependent resurvey of the South boundary of Township 4 North, Range 17 West, executed in 1960.

N.0°05'E., along the East boundary of section 36.

Over level alkali land, through scattered salt brush.

24.64 Point for the  $\frac{1}{4}$  sec. cor. of sec. 7, T. 3N., R. 16 W., at 40.00 chains latitudinal dist., from the cor. of secs. 7, 12, 13, and 18, T. 3N., Rs. 16 and 17 W.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NR16W $\frac{1}{4}$ S7 on E face.

Dig pits, 18x18x12 ins., N. and S. 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of the cor.

39.99 The  $\frac{1}{4}$  sec. cor., originally set to function as the  $\frac{1}{4}$  cor. of secs. 31 and 36, mkd. by a basalt stone, 12x12x6 inches, firmly set, and plainly mkd.  $\frac{1}{4}$  on W. face. This cor. now functions as the  $\frac{1}{4}$  sec. cor. of sec. 36 T. 4 N., R 17 W., only.

At the cor. point

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T4NR17W $\frac{1}{4}$ S36 on W face.

Deposit the original stone cor. alongside the fir post.

Dig pits, 18x18x12 ins. N. and S. 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

N.0°07'E., along the E. bdy. of sec. 36, beginning new measurement.

over level alkali land.

24.65 Point for the cor. of secs. 6 and 7, T. 3 N., R. 16 W.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NS6 on NE  
R16WS7 on SE face

Dig pits, 18x18x12 ins., NE. and SE., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of the cor.

39.99 The cor. originally set to function as the cor. of secs. 25, 30, 31 and 36, mkd. by a basalt stone, 12x6x4 inches, firmly set and plainly mkd. with 1 notch on S. and 5 notches on N. edges. This cor. now functions as the cor. of secs. 25 and 36, T. 4N., R. 17 W. only.

At the cor. point

Dependent Survey, Portion of E. bdy., T. 4 N., R. 17 W.

Chains

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T4NS25 on NW

R17WS36 on SW face; with 1 notch on S. and 5 notches on N. edge.

Deposit the original stone cor. alongside the fir post.

Dig pits, 18x18x12 ins., NW and SW, 4 ft. dist., and raise a mound of earth, 3 ft. base 2 ft. high, W. of the cor.

Land, level alkali desert

Soil, alkali with heavy wet clay subsoil

No timber, scant vegetation.

N.0°15'E., along the E. bdy. of sec. 25.

Over level alkali land.

24.66 Point for the  $\frac{1}{4}$  sec. cor. of sec. 6, T. 3 N., R. 16 W.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NR16W $\frac{1}{2}$ S6 on E. face.

Dig pits, 18x18x12 ins., N. and S., 4 ft. Dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of the cor.

39.99 The  $\frac{1}{4}$  sec. cor. originally set to function as the  $\frac{1}{4}$  cor. of secs. 25 and 30, mkd. by a stone, 10x6x3 inches, firmly set and plainly mkd.  $\frac{1}{4}$  on W. face. This cor. now functions for the  $\frac{1}{4}$  sec. cor. of sec. 25, T. 4 N., R. 17 W. only.

At the cor. point

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T4NR17W $\frac{1}{2}$ S25 on W. face.

Deposit the original stone cor. alongside the fir post.

Dig pits, 18x18x12 ins., N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

N.0°15'W., along the E. bdy. of sec. 25, beginning new measurement.

Over level alkali land

24.66 Point for the closing cor. of T s. 3 and 4 N., R. 16 W., hereinafter described.

40.24 The cor. originally set to function as the cor. of secs. 19, 24, 25, and 30, mkd. by a stone 12x5x5 ins., firmly set and plainly mkd. with 2 notches on the S. and 4 notches on the N. edges. This cor. now functions as the cor. of secs. 24 and 25, T. 4 N., R. 17 W. only.

At the cor. point

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

en e t Re u e r on to 213 d r o 3 6 0

Chains

T4NS24 On NW

R17WS25 on SW face; with 2 notches on the S. and 4 notches on the N edges.

Deposit the original stone cor. alongside the fir post.

Dig pits, 18x18x12 ins., NW. and SW., 4 ft. dist., and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, alkali desert

Soil, alkali with heavy wet clay subsoil, no vegetation.

Survey of the East boundary of Tps. 3 N., R. 16 W.

Beginning at the cor. of Tps. 2 and 3 N., Rs. 15 and 16 W., monumented with a fir post, 4 inches square, set, mkd., and witnessed as described in the official record.

North, bet. secs. 31 and 36.

Over barren, level desert, set alkali and clay.

40.00 Point for the 1/2 sec. cor. of secs. 31 and 36.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

S36 on W. S31 on E. face.

Dig pits, 18x18x12 ins., N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NS30 on NE

R15WS31 on SE

R16WS36 on SW

S25 on NW face; with 1 notch on the S. and 5 notches on the N. edges.

Dig pits, 18x18x12 ins., in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level desert

Soil, alkali with heavy set clay. No vegetation

North, bet. secs. 25 and 30

Over level alkali desert land

40.00 Point for the 1/2 sec. cor. of secs. 25 and 30

Set a fir post, 4 inches square, 5 ft long, 36 inches in the ground, with post mkd.

S25 on W S30 on E face.

Dig pits, 18x18x12 ins., N. and S. 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

## Survey of the East boundary of T. 3 N., R. 31 W.

Chains 80.00	<p>Point for the cor. of secs. 19, 24, 25 and 30.</p> <p>Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground with post mkd.</p> <p>T3NS19 on NE R15WS30 on SE R16WS25 on SW S24 on NW face; with 2 notches on the S. and 4 notches on the N. edges.</p> <p>Dig pits, 18x18x12 ins., in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Land, level desert Soil, heavy wet clay and alkali No vegetation</p>
40.00	<p>North, bet. secs. 19 and 24.</p> <p>Over level alkali desert land</p> <p>Point for the <math>\frac{1}{4}</math> sec. cor of secs. 19 and 24.</p> <p>Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with a post mkd.</p> <p><math>\frac{1}{4}</math>S24 on W S19 on E face.</p> <p>Dig pits, 18x18x12 ins., N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.</p>
80.00	<p>Point for the cor. of secs. 13, 18, 19 and 24.</p> <p>Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.</p> <p>T3NS18 on NE. R15WS19 on SE R16WS24 on SW S13 on NW face; with 3 notches on the N. and S. edges.</p> <p>Dig pits, 18x18x12 ins., in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Land, level barren desert Soil, alkali and heavy wet clay No vegetation</p>
40.00	<p>North, bet. secs. 13 and 18.</p> <p>Over barren, level desert land</p> <p>Point for the <math>\frac{1}{4}</math> sec. cor of secs. 13 and 18.</p> <p>Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.</p> <p><math>\frac{1}{4}</math>S13 on W S18 on E face</p> <p>Dig pits, 18x18x12 ins., N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.</p>
80.00	<p>Point for the cor. of secs. 7, 12, 13 and 18.</p>

Survey of the East boundary of T<sup>3</sup>3-N., R. 16-W.

Chains

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NS7 on NE  
R15WS18 on SE  
R16WS13 on SW  
S12 on NW face; with 4 notches on the S. and 2 notches on the N. edges.

Dig pits, 18x18x12 ins., in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level barren alkali desert  
Soil, alkali and heavy wet clay.  
No vegetation

North, bet. secs. 7 and 12.

Over level alkali desert land

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 7 and 12.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{2}$ S12 on W  
S7 on E face

Dig pits, 18x18x12 inches, N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NS6 on NE  
R15WS7 on SE  
R16WS12 on SW  
S1 on NW face; with 5 notches on the S., and 1 notch on the N. edges.

Dig pits, 18x18x12 inches, in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level alkali desert.  
Soil, alkali and heavy wet clay  
No vegetation

North, bet. secs. 1 and 6.

Over barren alkali desert land.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 6.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{2}$ S1 on W  
S6 on E face

Dig pits, 18x18x12 inches, N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.00 Point for the cor. of Tps. 3 and 4 N., Rs. 15 and 16 W.

## Survey of the East boundary of T. 3 N., R. 16 W.

Chains

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post marked.

T4NS31 on NE  
 R15WS6 on SE  
 T3NS1 on SW  
 R16WS36 on NW face; with 6 notches on each edge

Dig pits, 18x18x12 inches, in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, S. of the cor.

Land, level alkali desert  
 Soil, alkali and heavy wet clay  
 No vegetation

## Survey of the North boundary of Township 3 North, Range 16 West.

From the cor. of Tps. 3 and 4 N., Rs. 15 and 16 W.

West, bet. secs. 1 and 36.

Over level alkali desert land.

Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 36.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{4}$ S36 on N  
 S1 on S face

Dig pits, 18x18x12 inches, E. and W. 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Point for the cor. of secs. 1, 2, 35 and 36.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T4NS36 on NE  
 R16WS1 on SE  
 T3NS2 on SW  
 S35 on NW face; with 1 notch on the E. and 5 notches on the W. edges.

Dig pits, 18x18x12 inches, in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level desert  
 Soil, alkali and heavy wet clay  
 No vegetation

West, bet. secs. 2 and 35.

Over level alkali desert land.

Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 35.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{4}$ S35 on N  
 S2 on S face

## Survey of the Northboundary of T. 3 N., R. 16 W.

Chains	Dig pits, 11x18x12 inches, E. and W. 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.
80.00	Point for the cor. of secs. 2, 3, 34 and 35. Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd. T4NS35 on NE R16WS2 on SE T3NS3 on SW S34 on NW face; with 2 notches on the E. and 4 notches on the W. edges. Land, level desert Soil, alkali and heavy wet clay Widely scattered salt brush
40.00	West, bet. secs. 3 and 34. Over level desert land Point for the $\frac{1}{2}$ sec. cor. of secs. 3 and 34. Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground with post mkd. $\frac{1}{2}$ S34 on N S3 on S face Dig pits, 18x18x12 inches, E. and W. 4 ft. dist., and raise a mound of earth, 3 ft. base 2 ft. high, N. of the cor.
80.00	Point for the cor. of secs. 3, 4, 33 and 34. Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd. T4NS34 on NE R16WS3 on SE T3NS4 on SW S33 on NW face; with 3 notches on the E. and W. edges. Dig pits, 18x18x12 inches, in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor. Land, level desert Soil, alkali and heavy wet clay Widely scattered salt brush
40.00	West, bet. secs. 4 and 33. Over level alkali desert land Point for the $\frac{1}{2}$ sec. cor of secs. 4 and 33. Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd. $\frac{1}{2}$ S33 on N S4 on S face Dig pits, 18x18x12 inches, E. and W. 4 ft. dist., and raise a mound

## Survey of the North boundary of T. 3 N., R. 16 W.

Chains

of earth, 3 ft. base, 2 ft. high, N. of the cor.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T4NS33 on NE  
R16WS4 on SE  
T3NS5 on SW  
S32 on NW face; with 4 notches on the E., and 2 notches on the W. edge.

Dig pits, 18x18x12 inches, in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level desert  
Soil, alkali and heavy wet clay  
Widely scattered salt brush

West, bet. secs. 5 and 32.

Over level alkali desert land.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 5 and 32.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{4}$ S32 on N  
S5 on S face

Dig pits, 18x18x12 inches, E. and W. 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T4NS32 on NE  
R16WS5 on SE  
T3NS6 on SW  
S31 on NW face; with 1 notch on the W. and 5 notches on the E. edge.

Dig pits, 18x18x12 inches, in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level alkali desert  
Soil, alkali and heavy wet clay  
Vegetation, widely scattered salt brush.

West, bet. secs. 6 and 31

Over level alkali desert land, through scattered hummocks and salt brush.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 6 and 31.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{4}$ S31 on N  
S6 on S face.

Surve of the North bound of T. 3N. R. 16W.

Chains

Dig pits, 18x18x12 ins., E. and W., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

80.00 Point for the 1/16th cor. of secs. 6 and 31.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

1/16S31 on N  
S6 on S face  
80 on E. face.

Dig pits, 18x18x12 inches, E. and W., 4 ft. dist., and raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

100.00 Point for the 1/16th cor. of secs. 6 and 31.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

1/16S31 on N  
S6 on S  
100 on E face

108.67 Intersect the E. bdy. of sec. 25, T. 4 N., R. 17 W. Point for the closing cor. of secs. 6 and 31, Tps. 3 and 4 N. R 16 W.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

R16WCC on E  
T3NS6 on S  
T4NR17W on W  
T4NS31 on N face.

Dig pits, 18x18x12 ins., N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, E. of the cor.

From this cor., the sec. cor. of secs. 24 and 25, T. 4N., R. 17 W., monumented by a fir post, 4 inches square, previously described, bears N.0°15'W., 15.58 chains dist.

Land, level alkali desert  
Soil, alkali and heavy wet clay  
No timber, scattered salt brush.

Portion of the Subdivision of T. 3-N., R. 16-W.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., monumented with a fir post, 4 inches square, set, mkd. and witnessed as described in the official record.

N.0°01'W., bet. secs. 35 and 36.

Over level alkali desert land.

40.00 Point for the 1/4 sec. cor. of secs. 35 and 36.

Set a fir post, 4 inches square, 4 ft. long, 36 inches in the ground, with post mkd.

1/4S35 on W  
S36 on E face

Dig pits, 18x18x12 ins., N. and S., 4 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

## Portion of the Subdivision of T. 3 N., R. 16 W.

Chains

80.00

Point for the cor. of secs. 25, 26, 35 and 36.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NS25 on NE

R16WS36 on SE

S35 on SW

S26 on NW face; with 1 notch on S. and E. edge.

Dig pits, 18x18x12 ins., in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level desert

Soil, alkali and heavy wet clay

No timber, scattered salt brush.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., mkd. by a fir post, 4 inches square, heretofore described.

S.89°59'W., bet. secs. 25 and 36.

Over barren alkali desert land.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 36.

Set a fir post, 4 inches square, 4 ft. long, 30 inches in the ground, with post mkd.

 $\frac{1}{4}$ S25 on N

S36 on S face

Dig pits, 18x18x12 ins., E. and W., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

80.00

The cor. of secs. 25, 26, 35 and 36.

Land, level desert

Soil, alkali and heavy wet clay

No vegetation

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., monumented by an iron post, 2 inches in diam., set, mkd., and witnessed as described in the official record.

N.0°02'W., bet. secs. 33 and 34.

Over gentle rolling desert land, through moderate brush.

Ascend 20 ft. over gentle S. slope.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 33 and 34.Set an iron post, 30 inches long, 2 $\frac{1}{2}$  inches in diam., 20 inches in the ground, with brass cap mkd.

T3N R16W

 $\frac{1}{4}$ 

S33 | S34

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

## Portion of the Subdivision of T. 3 N., R. 16 W.

Chains

- 41.90 Main road around Silver Island mountains, bears N.80°E. and S80°W., ascend 90 ft. over S. slope.
- 55.90 Base of ridge, bears E. and W., ascend 330 ft. over steep, rocky S. slope, SE. drainage.
- 73.50 Top of ascent, bears E. and W., near the E. end of the Silver Island mountains, descend 230 ft. over broken N. slope.
- 79.50 Rocky outcrop, about 50 ft. high, descend 20 ft. along NW side.
- 80.00 Point for the cor. of secs. 27, 28, 33 and 34.
- Set an iron post, 30 inches long, 2½ inches in diam., on broken limestone and in a large mound of stone to top, with brass cap mkd.

T3NR16W

S28	S27
S33	S34
1960	

Land, desert land on S ½ mile, mountains on remainder.  
Soil, clay, gravel and broken limestone.  
No timber, low moderate sage, scattered bunch grass.

N.0°02'W., bet. secs. 27 and 28.

Over mountainous land, through scattered to moderate brush.

Descend 120 ft. over NW slope.

- 6.50 Draw, drains E., ascend 110 ft. over rocky S. slope.
- 14.00 Rocky spur, slopes E.; about 8.00 chains to end, descend 120 ft. over N. slope.
- 22.70 Draw, drains E., about 4.00 chains from head, ascend 100 ft. over S. slope.
- 33.00 Spur, slopes E., descend 150 ft. over N. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 27 and 28.

Set an iron post, 30 inches long, 2½ inches in diam., 20 inches in the ground, with brass cap mkd.

T3NR16W

S28	S27
1960	

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

The cor. is located near the base of spur.

- 41.90 Main road around the Silver Island mountains, bears SE., and NW., leave mountains land, descend 10 ft. over gentle N. slope.
- 66.40 Enter large hummocks, descend 20 ft.
- 74.40 Enter alkali desert land, bears NW. and SE.
- 80.00 Point for the cor. of secs. 21, 22, 27 and 28.

## Portion of the Subdivision of T. 3 N., R. 16 W.

Chains

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NS22 on NE

R16WS27 on SE

S28 on SW

S21 on NW face; with 3 notches on the E., and 2 notches on the S. edge.

Dig pits, 18x18x12 ins., in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, mountainous on S.  $\frac{1}{2}$  mile, desert on remainder.

Soil, clay, gravel and limestone on S. 74.00 chains, alkali and heavy wet clay on remainder.

No timber, moderate brush.

N.0°02'W., bet. secs. 21 and 22.

Over level alkali desert land, through scattered salt brush.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 21 and 22.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{4}$ S21 on W

S22 on E face

Dig pits, 18x18x12 ins., N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NS15 on NE

R16WS22 on SE

S21 on SW

S16 on NW face; with 3 notches on the E. and S. edges.

Dig pits, 18x18x12 ins., in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level alkali desert

Soil, alkali and heavy wet clay

Scattered salt brush

N.0°02'W., bet. secs. 15 and 16.

Over level alkali desert land, through scattered salt brush.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 15 and 16.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{4}$ S16 on W

S15 on E face

Dig pits, 18x18x12 ins., N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Portion of the Subdivision of T. 3 N., R. 16 W.

Chains

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NS10 on NE  
R16WS15 on SE  
S16 on SW  
S9 on NW face; with 3 notches on the E. and 4 notches on the S. edges.

Dig pits, 18x18x12 ins., in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level desert  
Soil, alkali and heavy wet clay  
Scattered salt brush

N.0°02'W., bet. secs. 9 and 10.

Over level, alkali desert land, through scattered salt brush.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 9 and 10.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{2}$ S9 on W  
S10 on E face

Dig pits, 18x18x12 ins., N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NS3 on NE  
R16WS10 on SE  
S9 on SW  
S4 on NW face; with 3 notches on the E., and 5 notches on the S. edges.

Dig pits, 18x18x12 ins., in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level alkali desert  
Soil, alkali and heavy wet clay  
Scattered salt brush

N.0°07'W., bet. secs. 3 and 4.

Over level alkali desert land, through scattered salt brush.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 3 and 4.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{2}$ S4 on W  
S3 on E face

Dig pits, 18x18x12 ins., N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.10 Intersect the N. bdy. of the Tp. at the cor. of secs. 3, 4, 33 and 34, monumented by a fir post, 4 inches square, heretofore described.

## Portion of the Subdivision of Twp. 3 N., R. 16 W., Co. 1 S., Mont. Terr.

Chains

Land, level alkali desert  
Soil, alkali and heavy wet clay  
Scattered salt brush.

From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., which is monumented by a fir post, 4 inches square, heretofore described.

S.0°01'E., bet. secs. 1 and 2.

Over level alkali desert land.

40.03

Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 2.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{2}$ S2 on W

S1 on E face

Dig pits, 18x18x12 ins., N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.03

Point for the cor. of secs. 1, 2, 11 and 12.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NS1 on NE

R16WS12 on SE

S11. on SW

S2 on NW face; with 1 notch on the E. and 5 notches on the S. edges.

Dig pits, 18x18x12 ins., in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level alkali desert  
Soil, alkali and heavy wet clay  
No vegetation

From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., which is monumented by a fir post, 4 inches square, heretofore described.

S.0°02'E., bet. secs. 2 and 3.

Over level alkali desert land, through widely scattered salt brush.

40.06

Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 3.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{2}$ S3 on W

S2 on E face

Dig pits, 18x18x12 ins., N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

80.06

Point for the cor. of secs. 2, 3, 10 and 11.

## Portion of the Subdivision of T. 3 N., R. 16 W.

Chains

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NS2 on NE  
R16WS11 on SE  
S10 on SW

S3 on NW face; with 2 notches on the E. and 5 notches on the S. edge.

Dig pits, 18x18x12 ins., in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level alkali desert  
Soil, alkali and heavy wet clay  
Widely scattered salt brush

From the cor. of secs. 1, 2, 11 and 12.

S.89°59'W., bet. secs. 2 and 11

Over level alkali desert land, through widely scattered salt brush.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 11

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground with post mkd.

$\frac{1}{4}$ S2 on N  
S11 on S face

Dig pits, 18x18x12 ins., E. and W., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

80.00 The cor. of secs. 2, 3, 10 and 11.

Land, level alkali desert  
Soil, alkali and heavy wet clay  
Widely scattered salt brush.

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

S.89°58'W., bet. secs. 16 and 21.

Over level, alkali desert land, through widely scattered salt brush.

00.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 16 and 21.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{4}$ S16 on N  
S21 on S face

Dig pits, 18x18x12 ins., E. and W., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

20.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NS16 on NE  
R16WS21 on SE  
S20 on SW  
S17 on NW face; with 4 notches on the E., and 3 notches on the S. edge.

## Portion of the Subdivision of T. 3 N., R. 16 W.

Chains

Dig pits, 18x18x12 ins., in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.

Land, level alkali desert  
Soil, alkali and heavy wet clay  
Scattered salt brush

From the cor. of secs. 8, 9, 16 and 17.

N.0°03'W., bet. secs. 16 and 17.

Over level alkali desert land, through scattered salt brush.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 16 and 17.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{4}$ S17 on W  
S16 on E face

Dig pits, 18x18x12 ins., N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Leave scattered salt brush, continue over barren land.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set a fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

T3NS9 on NE  
R16WS16 on SE  
S17 on SW  
S8 on NW face; with 4 notches on the E., and 4 notches on the S. edge.

Dig pits, 18x18x12 ins., in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Land, level alkali desert  
Soil, alkali and heavy wet clay  
Scattered salt brush on S.  $\frac{1}{4}$  mile, barren on remainder.

From the cor. of secs. 9, 10, 15 and 16.

S.89°58'W., bet. secs. 9 and 16.

Over level alkali desert, barren of vegetation.

40.01 Point for the  $\frac{1}{4}$  sec. cor. of secs. 9 and 16.

Set fir post, 4 inches square, 5 ft. long, 36 inches in the ground, with post mkd.

$\frac{1}{4}$ S9 on N  
S16 on S face

Dig pits, 18x18x12 ins., E and W., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Portion of the Subdivision of T. 3 N., R. 16 W.

Chains 80.02	<p>The cor. of secs. 8, 9, 16 and 17.</p> <p>Land, level alkali desert Soil, alkali and heavy wet clay No vegetation.</p>
	<p>From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., which is monumented with an iron post, 2 inches in diameter, set, mkd. and witnessed as described in the official record.</p> <p>N.0°03'W., bet. secs. 32 and 33.</p> <p>Over gentle rolling desert land, through moderate brush.</p>
2.40	<p>Main road around Silver Island mountains, bears N.80°E. and S.80°W., ascend 30 ft. over gentle S. slope.</p>
16.00	<p>Small gully, drains SE., ascend 130 ft.</p>
40.00	<p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 32 and 33.</p> <p>Set an iron post, 30 inches long, 2<math>\frac{1}{2}</math> inches in diam., 20 inches in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T3NR16W</p> <p>mk</p> <p>S32 S33</p> <p>1960</p> </div> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Ascend 210 ft. over S. slope.</p>
60.30	<p>Gully, drains SE., heads NW., about 5.00 chains dist., ascend 330 ft. over steep S. slope.</p>
73.00	<p>Ridge, bears irregularly E. and W., descend 150 ft. over broken NE. slope.</p>
80.00	<p>Point for the cor. of secs. 28, 29, 32 and 33.</p> <p>Set an iron post, 30 inches long, 2<math>\frac{1}{2}</math> inches in diam., 8 inches in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T3NR16W</p> <p>S29 S28</p> <p>S32 S33</p> <p>1960</p> </div> <p>Land, mountainous on N. 54.00 chains, gentle slope on remainder. Soil, clay, gravel and broken limestone. No timber, moderate low brush and brigham tea.</p>
	<p>From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., which is monumented with an iron post, 2 inches in diam., set, mkd. and witnessed as described in the official record.</p> <p>N.0°04'W., bet. secs. 31 and 32.</p> <p>Over mountainous land.</p> <p>Ascend 60 ft. a</p>

Portion of the Subdivision of T. 9 N., R. 16 W.

Chains	
4.60	Steep rocky gully, drains SE., ascend 170 ft. over SE. slope.
12.20	Spur, slopes E., descend 130 ft. over NE. slope
22.20	Wash, 30 links wide, 1 ft. deep, drains S. 60°E.,
24.20	Jeep road, bears SE. and NW., ascend 40 ft. over canyon bottom
26.00	Wash, 50 links wide, 3 ft. deep. drains SE., ascend 220 ft. over S. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor of secs. 31 and 32.
	Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches in diam., 6 inches in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T3NR16W
	S31   S32
	1960
	The cor. is located on top of spur, slopes SE.
	Ascend 500 ft. over steep rolling and broken land facing S.
74.50	Ridge, bears irregularly E. and W., descend 230 ft. over steep broken N. slope.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches in diam., 18 inches in the ground and in a collar of stone, with brass cap mkd.
	T3NR16W
	S30   S29
	S31   S32
	1960
	Raise a mound of stone, 3 $\frac{1}{2}$ ft. base 2 ft. high, W. of the cor.
	Land, rolling mountains Soil, clay, gravel and limestone Moderate low sage and bunch grass.
	From the cor. of secs. 28, 29, 32 and 33.
	S. 89°56'W., bet. secs. 29 and 32.
	Over mountainous land.
	Ascend 180 ft. over steep E. slope.
5.70	Spur, slopes N., descend 20 ft. along broken N. slope.
40.01	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches in diam., 12 inches in the ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

Portion of the Subdivision of T. 3 N., R. 16 W., S. 34 E.

Chains	In. 1/2 sec. 29, 30, 31 and 32. <b>T3NR16W</b>	08.4
	Ascend 170 ft. along broken and rolling land facing N.	01.1
80.02	The cor. of secs. 29, 30, 31 and 32.	01.1
	Land, rolling and broken	06.4
	Soil, clay and broken limestone	
	Scattered to moderate sage and bunch grass.	

General Description

The Silver Island Mountains extend easterly through the southern portion of the Tp., terminating in sections 27 and 34; the remainder of the Tp. lies on the Great Salt Lake desert. The soil on the mountains and slopes is of a gravel clay loam, with broken limestone and numerous outcrops, while that of the desert is alkali and heavy wet clay loam. The mountains and slopes extending into the desert, afford a moderate growth of brush and scattered to moderate bunch grass, predominately on the N. slopes.

There is no active mining or developments at present and no live water source within the Tp.



CERTIFICATE OF CADASTRAL ENGINEER

Boyd S. Owens

HEREBY CERTIFY upon honor that,

in pursuance of special instructions bearing date of the 28th day of July

I have ~~surveyed~~ dependently resurveyed a portion of the East boundary of T. 4 N., R. 16 W., with the establishment of corners for a portion of the West boundary of T. 4 N., R. 16 W., and surveyed the east and north boundaries and a portion of the subdivisinal lines of T. 3 N., R. 16 W.

of the Salt Lake Meridian, in the State of Utah, which is represented in the foregoing field notes as having been executed by me and under my direction; and said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
February 6, 1961

Boyd S. Owens
Boyd S Owens, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., APR 3 1962

The foregoing field notes of the survey of dependent resurvey of a portion of the east boundary of T. 4 N., R. 17 W., with the establishment of corners for a portion of the west boundary of T. 3 N., R. 16 W., and survey of the east and north boundaries and a portion of the subdivisinal lines of T. 3 N., R. 16 W.

executed by Boyd S Owens, Cadastral Surveyor

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

[Signature]
Chief, Division of Engineering

CERTIFICATE OF TRANSCRIPT

I certify that the [unclear] is a true copy of the original field notes.

[Signature]

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY

OF

TOWNSHIP 4 NORTH, RANGE 17 WEST

AND

THE SURVEY OF THE EAST AND WEST BOUNDARIES

AND

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 3 NORTH, RANGE 17 WEST

Of the Salt Lake Meridian,

of the State of Utah

EXECUTED BY

Boyd S. Owens, Cadastral Surveyor

Under special instructions dated July 28, 1960, which provided

that the surveys included under Group No. 442, approved July 29, 1960

under assignment instructions dated July 29, 1960.

Survey commenced September 8, 1960.

Survey completed September 27, 1960.

# INDEX DIAGRAM

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Township 3 North, Range 17 West

Chains

The north boundary was surveyed by A. P. Hanson in 1903 and its record appears in the field notes of T. 4 N., R. 17 W. The south boundary was surveyed concurrently in 1960 under Group 442 and is described in the field notes of the survey of the north boundary of T. 2 N., R. 17 W.

The following field notes are those of the dependent resurvey of the south boundary of T. 4 N., R. 17 W., original survey of the east and west boundaries and a portion of the subdivisional lines of T. 3 N., R. 17 W.

The survey was executed with a W. & L. E. Gurley solar transit No. 591189, 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 this survey.

Measurements herein contained were made with a narrow steel tape, eight chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment. Horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are as estimated. The details of such traverses and 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.

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.

Before restoring corners along the lines resurveyed, the lines of the original survey were retraced and diligent search made for any evidence of the original corners and other calls of the field note record. When duly identified the corner positions were remonumented and new accessories taken.

The retracement data were submitted for office examination and verification prior to the conclusion of the field work. In order to simplify the record the true line notes only are supplied herewith, which refer to the completed resurvey and survey.

The geographic position for the southeast corner of T. 3 N., R. 17 W. is at latitude  $40^{\circ} 57' 03''$  N. and longitude  $113^{\circ} 43' 31.7''$  W., as adjusted from traverse to U.S.C. & G.S. triangulation station "Silver."

The magnetic declination was read at a number of stations throughout the township and the average was found to be  $17^{\circ} 45' E.$

Dependent Resurvey of the South Boundary of T. 4 N., R. 17 W.

Chains

Reestablishment of the survey executed by A. E. Hanson in 1903.

Note: Cors. along this line were originally set to function for Tps. 3 and 4 N., R. 17 W. These cors. now function for T. 4 N., R. 17 W., only and mkd. accordingly.

Beginning at the Tp. cor. originally set to function as the cor. of Tps. 3 and 4 N., Rs. 16 and 17 W., monumented by a basalt stone, 12x7x7 ins., firmly set and mkd. with 6 notches on each edge; this cor. now functions as the SE. cor. of T. 4 N., R. 17 W. only.

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T4N R17W S36 on NW. face; with 6 notches on N. and W. faces.

Deposit the original stone cor. alongside the fir post.

Dig pits, 18x18x12 ins., N., E. and W., 4 ft. dist. from the cor. and raise a mound of earth, 3 ft. base, 2 ft. high, NW. of the cor.

N. 89° 54' W., along the S. bdy. of sec. 36.

Over level alkali desert land, through scattered salt brush.

39.99 The  $\frac{1}{4}$  sec. cor. of sec. 36, monumented by a basalt stone, 12x8x4 ins. firmly set and plainly mkd. with a  $\frac{1}{4}$  on N. face.

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T4N R17W  $\frac{1}{4}$  S36 on N. face.

Deposit the original stone cor. alongside the fir post.

Dig pits, 18x18x12 ins., E. and W. of the post, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

---

N. 89° 54' W., along the S. bdy. of sec. 36, beginning new measurement

Over level alkali desert land.

40.00 The cor. of secs. 35 and 36, monumented by a basalt stone, 12x4x4 ins. firmly set and dimly mkd.

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T4N S36 on NE.; R17W S35 on NW. face; with 5 notches on W. and 1 notch on E. edges.

Deposit the original stone cor. alongside the fir post.

Dig pits, 18x17x12 ins., NE. and NW., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Land, level alkali desert.

Soil, alkali and heavy clay.

Timber, none.

Undergrowth, scattered salt brush.

Subsequent Boundary of the South Boundary of T. 4 N., R. 17 W.

Chains

N. 89° 55' W., along the S. bdy. of sec. 35.

Over level alkali desert land.

20.00 Leave alkali desert land; asc. 10 ft. over gentle E. slope.

40.00 The  $\frac{1}{4}$  sec. cor. of sec. 35, monumented by a basalt stone, 14x8x4 ins., firmly set and plainly mkd.  $\frac{1}{4}$  on W. face.

At the cor. point.

Set an iron post, 30 ins. long, 2 $\frac{1}{4}$  ins. diam., 20 ins. in the ground, with brass cap mkd.

T4N R17W

$\frac{1}{4}$  S35

1960

Deposit the original stone cor. alongside the iron post.

Dig pits, 18x18x12 ins., E. and W. 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

---

N. 89° 40' W., along the S. bdy. of sec. 35, beginning new measurement.

Over gentle rolling land.

Asc. 70 ft. over gentle E. slope, through moderate low brush.

40.03 The cor. of secs. 34 and 35, monumented by a stone, 14x8x6 ins., firmly set and plainly mkd. with 2 notches on E. and 4 notches on W. edges.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{4}$  ins. diam., 22 ins. in the ground with brass cap mkd.

T4N R17W

S34 | S35

T3N R17W

S10

1960

Deposit the original stone cor. alongside the iron post.

Dig pits, 18x18x12 ins., NE. and NW., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Land, E. 20 chs. is alkali desert, remainder gentle slope of mountain.

Soil, alkali and heavy clay on E. 20 chs., clay and gravel on remainder.

Timber, none.

Undergrowth, scattered to moderate low brush.

---

N. 89° 49' W., along the S. bdy. of sec. 34.

Over gentle rolling land, through moderate brush.

Asc. 90 ft. over E. slope.

15.40 Top of ascent, bears irregularly NE. and SW.; desc. 20 ft. over gentle W. slope.

Dependent Resurvey of the South Boundary of T. 4 N., R. 17 W.

Chains

- 39.70 Road, bears S. 20° E. and N. about 3.00 chs. to junction.
- 40.03 The  $\frac{1}{4}$  sec. cor. of sec. 34, monumented by a limestone, 12x8x6 ins., loosely set and dimly mkd.
- At the cor. point
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 20 ins. in the ground, with brass cap mkd.

T4N R17W  
 $\frac{1}{4}$  S34  
 T3N  
 1960

Deposit the original stone cor. alongside the iron post.

Dig pits, 18x18x12 ins., E. and W., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

N. 89° 52' W., along the S. bdy. of sec. 34, beginning new measureme

Over nearly level land.

- 4.40 Road, bears NE. and SW.
- 9.58 Point for the closing cor. of secs. 9 and 10, T. 3 N., R. 17 W., hereinafter described.
- 14.10 Head of wash, drains W.; desc. 10 ft.
- 19.40 Wash, 20 lks. wide, 4 ft. deep, drains NW.; desc. 20 ft. over gentle rolling land.
- 32.40 Wash, 10 lks. wide, 4 ft. deep, drains NW.
- 40.10 The cor. of secs. 33 and 34, monumented by a stone, 12x6x6 ins., firmly set and plainly mkd. with 3 notches on E. and W. edges.

At the cor. point.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 20 ins. in the ground, with brass cap mkd.

T4N R17W  
 S33|S34  
 T3N R17W  
 S 9  
 1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

Deposit the original stone cor. in the mound.

Land, gently rolling.  
 Soil, clay and gravel.  
 Timber, none.  
 Undergrowth, moderate low brush.

N. 89° 52' W., along the S. bdy. of sec. 33.

Over gently rolling land, through moderate brush.

Desc. 10 ft.

W. N. H. ... Department of the Interior, Bureau of Land Management, T. 4 N., R. 17 W.

Chains	
9.47	Point for N. $\frac{1}{4}$ Sec. cor. of sec. 9, T. 3 N., R. 17 W., hereinafter described.
21.50	Wash, 20 lks. wide, 4 ft. deep, drains NW.; desc. 30 ft.
40.00	The $\frac{1}{4}$ sec. cor. of sec. 33, monumented by a limestone, 12x8x4 ins., firmly set and plainly mkd. $\frac{1}{4}$ on NW face.
	At the cor. point
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T4N R17W $\frac{1}{4}$ S33 T3N 1960
	Deposit the original stone cor. alongside the iron post.
	Dig pits, 18x18x12 ins., E. and W., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.
	N. 89° 57' W., along the S. bdy. of sec. 33, beginning new measurement.
	Over gently rolling land; desc. 10 ft.
9.45	Point for the closing cor. of secs. 8 and 9, T. 3 N., R. 17 W., hereinafter described.
	Desc. 10 ft.
21.20	Wash, 20 lks. wide, 3 ft. deep, drains NW.; desc. 10 ft.
40.05	The cor. of secs. 32 and 33, monumented by a limestone, 12x8x6 ins., firmly set and plainly mkd. with 4 notches on the E. and 2 notches on the W. edges.
	At the cor. point
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T4N R17W S32   S33 T3N R17W S 8 1960
	Deposit the original stone cor. alongside the iron post.
	Dig pits, 18x18x12 ins., NE. and NW., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.
	Land, gently rolling.
	Soil, clay and gravel.
	Timber, none.
	Undergrowth, moderate brush.
	N. 89° 52' W., along the S. bdy. of sec. 32.
	Over nearly level desert land, through scattered brush.
7.00	Enter barren, muddy, alkali land, bears N. and SW.
40.00	The $\frac{1}{4}$ sec. cor. of sec. 32, monumented by a stone, 10x6x4 ins., firmly set and plainly mkd. with $\frac{1}{4}$ on N. face.

Chains

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T4N R17W 1/4 S32 on N. face.

Dig pits, 18x18x12 ins., E. and W., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Deposit the original stone cor. alongside the fir post.

N. 89° 55' W., along the S. bdy. of sec. 32, beginning new measureme

Over level, muddy, alkali land, barren of vegetation.

39.93 The cor. of secs. 31 and 32, monumented by a stone, 12x8x6 ins., firmly set and dimly mkd. with 6 notches on each edge.

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T4N S32 on NE.; R17W S31 on NW face; with 5 notches on the E. and 1 notch on the W. edges.

Deposit the original stone cor. alongside the fir post.

Dig pits, 18x18x12 ins., NE. and NW., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

Land, level alkali desert.

Soil, alkali and wet muddy clay.

Timber, none.

Undergrowth, none.

West, along the S. bdy. of sec. 31.

Over barren, level, muddy alkali desert.

40.00 The 1/4 sec. cor. of sec. 31, as determined from pits E. and W. of the cor. position.

At the cor. point

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T4N R17W 1/4 S31 on N. face.

Dig pits, 18x18x12 ins., E. and W., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, N. of the cor.

West, along the S. bdy. of sec. 31, beginning new measurement.

Over barren, level, muddy alkali desert.

8.64 Point for the closing cor. of T4 N., R. 17 and 18 W., hereinafter described.

38.40 The cor. of Tps. 4 N., R. 17 and 18 W., monumented by a stone, 12x6x6 ins., firmly set and dimly mkd. with 6 notches on each edge.

At the cor. oint

Dependent Resurvey of the South Boundary of T. 4 N., R. 17 W.

Chains

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T4N R17W S31 on NE.; R18W on NW. face; with 6 notches on E. edge.

Dig pits, 18x18x12 ins.; N. and E., 34 ft. dist.

Deposit the original stone cor. alongside the fir post.

Land, level desert.  
Soil, alkali and wet heavy clay.  
Timber, none.  
Undergrowth, none.

Original Survey of the East Boundary of T. 3 N., R. 17 W.

Beginning at the cor. of Tps. 2 and 3 N., Rs. 16 and 17 W., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

North, bet. secs. 31 and 36.

Over steep, broken mountainous land.

Asc. 690 ft. over slope and ledges facing S.

20.00

Crest of spur, projects S. about 2.00 chs., then slopes SE.; by triangulation and traverse; asc. 380 ft. over broken land with SE. drainage and exposure.

35.60

End of triangulation on rocky spur sloping SE.; desc. 20 ft. along E. slope of spur.

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., 8 ins. in the ground to bedrock, in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T3N  
R17W R16W  
1/4  
S36 | S31  
1960

Cont. by triangulation; asc. about 250 ft. over broken, ledgy SE. slope.

70.40

End of triangulation on ridge top, slopes irregularly E. from SW.; desc. 280 ft. over broken ledgy N. slope.

80.00

Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T3N  
R17W R16W  
S25 | S30  
S36 | S31  
1960

Land, steep, broken mountains.  
Soil, exposed limestone and rocky clay.  
Timber, scattered scrub juniper.

Survey of the East Boundary of T. 3 N., R. 17 W.

Chains

North, bet. secs. 25 and 30.

Over broken mountainous land.

By triangulation; desc. about 1540 ft. over broken ledgy N. slope.

36.00 Base of ledges; desc. 20 ft. over N. slope.

39.50 Wash, 30 lks. wide, 2 ft. deep, drains NE.; asc. 10 ft. over S. slo

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long,  $2\frac{1}{4}$  ins. diam., 20 ins. in the ground with brass cap mkd.

T3N  
R17W R16W  
 $\frac{1}{4}$   
S25|S30  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

End. of triangulation; asc. 40 ft. over S. slope.

41.20 North bank of wash, slopes NE.; desc. 190 ft. over gentle rolling valley land facing N.

63.50 Bottom of descent, slopes NE.; asc. 20 ft. over SE. slope.

73.00 Spur, slopes E.; rocky outcrop bears W. 1.00 ch. dist.; desc. 80 ft. over N. slope.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long,  $2\frac{1}{4}$  ins. diam., 20 ins. in the ground with brass cap mkd.

T3N  
R17W R16W  
S24|S19  
S25|S30  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, broken mountains on S.  $\frac{1}{4}$  mile, semi desert on remainder. Soil, exposed limestone and shallow clay on S.  $\frac{1}{4}$  mile, clay and gravel on remainder.

Timber, none.

Undergrowth, bitter brush, sage and grass on N.  $\frac{1}{4}$  mile.

North, bet. secs. 19 and 24.

Over gently rolling desert land, through moderate brush.

Desc. 110 ft. over gentle NE. slope.

25.50 Road, bears SE. and W.

27.50 Road, bears N.  $70^\circ$  W. and SE.; desc. 40 ft.

30.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long,  $2\frac{1}{4}$  ins. diam., 22 ins. in the gr with brass cap mkd.

Survey of the East Boundary of T. 3 N., R. 17 W.

Chains	
80.00	<p style="text-align: center;">T3N R17W R16W</p> <p style="text-align: center;">S24 S19 1960</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Desc. 10 ft. over nearly level desert land.</p> <p>Point for the cor. of secs. 13, 18, 19 and 24.</p> <p>Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.</p> <p>T3N S18 on NE.; R16W S19 on SE.; R17W S24 on SW.; S13 on NW. face; with 3 notches on the S. edge.</p> <p>Dig pits, 18x18x12 ins. in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Land, desert.</p> <p>Soil, gravel and clay on S. 50 chs., alkali and clay on remainder.</p> <p>Timber, none.</p> <p>Undergrowth, moderate salt brush.</p>
16.00 40.00	<p>North, bet. secs. 13 and 18.</p> <p>Over level desert land, through moderate salt brush.</p> <p>Enter old lake bed, bears NW. and SE.</p> <p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 13 and 18.</p> <p>Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.</p> <p><math>\frac{1}{4}</math> S13 on W.; S18 on E. face.</p> <p>Dig pits, 18x18x12 ins. N. and S., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.</p>
80.00	<p>Point for the cor. of secs. 7, 12, 13 and 18.</p> <p>Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.</p> <p>T3N S7 on NE.; R16W S18 on SE.; R17W S13 on SW.; S12 on NW. face; with 4 notches on the S. edge.</p> <p>Dig pits, 18x18x12 ins. in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Land, level.</p> <p>Soil, alkali and heavy wet clay subsoil.</p> <p>Timber, none.</p> <p>Undergrowth, moderate salt brush.</p>
	<p>North, bet. secs. 7 and 12.</p> <p>Over level alkali land.</p>

Survey of the East Boundary of T. 3 N., R. 17 W.

Chains

15.36

Point for the NE. cor. of T. 3 N., R. 17 W., east of the SE. cor. of T. 4 N., R. 17 W.

Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

T3N R16W on NE.; T3N R17W S12 on SW. face.

Dig pits, 18x18x12 ins., S. and W., 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, in the SW. quadrant.

From this cor. the SE. cor. of T. 4 N., R. 17 W., heretofore described, bears West 30.38 chs. dist.

Original Survey of the West Boundary of T. 3 N., R. 17 W.

From the cor. of Tps. 2 and 3 N., Rs. 17 and 18 W., monumented by a 1 in. iron post, described in the field notes of the survey of T. 2 N., R. 17 W.

North, bet. secs. 31 and 36.

Over mountainous land.

.10 Desc. abruptly 50 ft. over ledge facing N.

.20 Base of ledge; desc. 170 ft. over steep N. slope.

9.00 Wash, 30 lks. wide, 3 ft. deep, drains N. 60° W.; heads about 6.00 chs. SE.; asc. 50 ft. over rolling land facing SW.

17.40 Small rocky spur, slopes W.; desc. 170 ft. over N. slope.

26.00 Slope and drainage changes to NW.; desc. 40 ft.

40.00 Point for the 1/4 sec. cor. of secs. 13 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 8 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T3N  
R18W R17W

1/4  
S36/S31  
1960

40.50 Wash, 20 lks. wide, 3 ft. deep, drains W.

49.70 Wash, 30 lks. wide, 2 ft. deep, drains W.; desc. 10 ft.

63.10 Wash, 50 lks. wide, 4 ft. deep, drains W.; desc. 10 ft.

69.80 Wash, 40 lks. wide, 10 ft. banks, drains W.; asc. 10 ft.

73.50 Jeep road, bears E. and W.

80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground with brass cap mkd.

T3N  
R18W R17W

S25/S30  
S36/S31  
1960

221

Survey of the West Boundary of T. 3 N., R. 17 W.

Chains

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

From this cor. the azimuth mark to triangulation station "Silver," which is a standard bronze disc set in bedrock on a low rocky outcrop, bears S. 63° 10' E., 9.44 chs. dist.

Land, rolling desert.  
Soil, clay and gravel.  
Timber, none.  
Undergrowth, moderate low brush.

North, bet. secs. 25 and 30.

Over rolling foothills.

.90 Road, bears N. 80° W. and S. 80° E.; asc. 10 ft. over gentle S. slope.

3.50 Small rocky spur, bears E. and W.; desc. 10 ft. over N. slope.

6.30 Wash, 1.00 ch. wide, 2 ft. deep, drains W.; asc. 150 ft. over S. slope.

23.90 Rocky spur, slopes W.; desc. 220 ft. over steep N. slope.

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. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T3N  
R18W R17W  
↓  
S25 | S30  
1960

Desc. 20 ft. over gently rolling desert land.

52.00 Wash, 30 lks. wide, 2 ft. deep, drains W.

55.50 Road, bears E. and W.

66.40 Wash, 50 lks. wide, 1 ft. deep, drains SW.; asc. 130 ft. over S. slope.

74.50 Rocky spur, slopes W.; desc. 50 ft. over NW. slope.

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., 8 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T3N  
R18W R17W  
S24 | S19  
S25 | S30  
1960

Land, rolling foothills.  
Soil, rocky clay loam.  
Timber, none.  
Undergrowth, moderate low brush and Brigham tea.

North, bet. secs. 19 and 24.

Over rolling foothills.

Survey of the West Boundary of T. 3-N., R. 17-W.

Chains

- Desc. 110 ft. over NW. slope.
- 4.50 Draw, drains SW., heads NE. about 6.00 chs. dist.; asc. 90 ft. over SE. slope.
- 9.10 Top of ascent slopes W.; desc. 120 ft. along W. slope.
- 19.70 Spur, slopes W.; desc. 180 ft. over rolling NW. slope.
- 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., 6 ins. in the ground, in a mound of stone,  $3\frac{1}{2}$  ft. base to top, with brass cap mkd.

T3N  
R18W R17W  
 $\frac{1}{4}$   
S24 | S19  
1960

- Desc. 50 ft. over gentle NW. slope.
- 46.20 Wash, 1.00 ch. wide, 2 ft. deep; drains N.  $80^\circ$  W.; asc. 70 ft. over S. slope.
- 50.00 Spur, slopes W. 1.00 ch. dist.; desc. 190 ft. over NW. slope.
- 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., 20 ins. in the ground with brass cap mkd.

T3N  
R18W R17W  
S13 | S18  
S24 | S19  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, rolling foothills.  
Soil, gravel clay loam and rocky.  
Timber, none.  
Undergrowth, moderate low brush.

- North, bet. secs. 13 and 18.
- Over gentle rolling desert land, through moderate low brush.
- 3.60 Road, bears NE. and SW.; desc. 30 ft.
- 15.40 Road, bears NE. and SW., main road around Silver Island Mountains; desc. 10 ft.
- 24.00 Enter harren lake bottom, bears NE. and SW.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 13 and 18.
- Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.

R18W  $\frac{1}{4}$  S13 on W.; R17W S18 on E. face.

Dig pits, 18x18x12 ins., N. and S., 4-ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.

Survey of the West Boundary of T. 3 N., R. 17 W.

Chains	
80.00	<p>Cont. over level alkali lake bed.</p> <p>Point for the cor. of secs. 7, 12, 13 and 18.</p> <p>Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.</p> <p>T3N S7 on NE.; R17W S18 on SE.; R18W S13 on SW.; S12 on NW. faces.</p> <p>Dig pits, 18x18x12 ins. in each quadrant, 4 ft. dist., and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Land, semi-desert on S. 24.00 chs.; level lake bottom on remainder. Soil, alkali, heavy wet clay subsoil. Undergrowth, scattered salt brush.</p>
16.68	<p>North, bet. secs. 7 and 12.</p> <p>Over level alkali land.</p> <p>Intersect the S. bdy. of T. 4 N., R. 17 W. at point for the closing Tp. cor. of T. 3 N., R. 17 and 18 W.</p> <p>At point of intersection</p> <p>Set a fir post, 4 ins. square, 5 ft. long, 36 ins. in the ground, with post mkd.</p> <p>T4N S31 on N.; R17W S7 on E.; T3N CC on S.; R18W S12 on W. faces.</p> <p>Dig pits, 18x18x12 ins., SE., S. and SW., 4 ft. dist.</p> <p>From this cor. the <math>\frac{1}{4}</math> sec. cor. of sec. 31, T. 4 N., R. 17 W., hereinbefore described, bears East, 8.64 chs. dist.</p> <p>Land, level alkali flat. Soil, alkali with heavy wet clay subsoil. Scant vegetation.</p>
<p>Survey of a Portion of the Subdivision of T. 3 N., R. 17 W.</p>	
6.50	<p>From the true point for the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., from which its witness cor. bears West 50 lks. dist. mkd. by a 2<math>\frac{1}{4}</math> ins. iron post, described in the field notes of T. 2 N., R. 17 W.</p> <p>N. 0° 01' W., bet. secs. 35 and 36.</p> <p>Over broken mountainous land, through scattered juniper.</p> <p>Desc. 100 ft. along ravine draining N.</p>
12.20	<p>Large rocky ravine, drains S. 70° W.; asc. 110 ft. over S. slope.</p>
23.60	<p>Rocky spur, slopes S. 70° W.; desc. 410 ft. over steep N. slope.</p>
27.70	<p>Small rocky gully, drains N. 80° W.; asc. 70 ft. over S. slope.</p>
31.40	<p>Top of ascent, slopes W.; desc. 60 ft. along NW. slope.</p>
	<p>Spur, slopes S. 70° W.; desc. 270 ft. over N. slope.</p>

Survey of a Portion of the Subdivision of T. 3 N., R. 17 W.

Chains  
40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 6 ins. in the ground, in a mound of stone,  $3\frac{1}{2}$  ft. base to top, with brass cap mkd.

T3N R17W

$\frac{1}{4}$   
S35|S36  
1960

Desc. 150 ft. over N. slope.

47.60

Wash, 50 lks. wide, 1 ft. deep, drains N.  $30^{\circ}$  W.; desc. 260 ft. over rolling open land facing NW.

80.00

Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 10 ins. in the ground in a mound of stone, 3 ft. base to top, with brass cap mkd.

T3N R17W

S26|S25  
S35|S36  
1960

The cor. is located in open valley bearing N. and SW.

Land, mountainous.

Soil, clay, gravel and broken limestone.

Timber, scattered scrub juniper.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., mkd. by a  $2\frac{1}{2}$  ins. iron post, hereinbefore described.

S.  $89^{\circ} 54'$  W., bet. secs. 25 and 36.

Over steep, broken, ledgy mountains.

Desc. 270 ft. over broken ledgy land facing N.

17.00

Base of descent; asc. 30 ft. over ledge of slope facing E.

20.90

Top of broken spur sloping irregularly N.; cont. by traverse and triangulation, topography is estimated.

22.00

N. face of rocky pinnacle; cont. along broken N. slope.

34.70

End of triangulation and traverse on spur projecting N. about 2.00 chs. to end; desc. 160 ft. over ledges facing NW.

40.03

Point for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 10 ins. in the ground, in a mound of stone,  $3\frac{1}{2}$  ft. base to top, with brass cap mkd.

T3N R17W

$\frac{1}{4}$  S25  
S36  
1960

Cont. by triangulation, topography estimated; asc. about 40 ft. along ledgy NE. slope.

47.00

Rim of ledges, bears S. and N. about 2.00 chs., thence E.; desc. abruptly about 800 ft. over ledges and steep slope facing W.

Survey of a Portion of the Subdivision of T. 3 N., R. 17 W.

Chains	
64.00	Base of steep descent; desc. about 100 ft. over rolling desert land with NW. drainage and exposure.
80.06	The cor. of secs. 25, 26, 35 and 36.
81.00	<p>Land, steep, broken mountains on E. 64.00 chs., clay and gravel on remainder.</p> <p>Soil, mostly exposed limestone on E. 64.00 chs., clay and gravel on remainder.</p> <p>Timber, none.</p> <p>Undergrowth, moderate low brush on W. 16.00 chs., scattered on remainder.</p>
	<p>From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., monumented by a 2½ ins. iron post, described in the field notes of the survey of the N. bdy. of T. 2 N., R. 17 W.</p> <p>N. 0° 02' W., bet, secs. 33 and 34.</p> <p>Over steep broken mountain land with numerous ledges and pinnacles.</p> <p>By triangulation; topography estimated.</p>
1.00	Draw, drains SE.; asc. about 200 ft. over slide rock facing S. along the W. side of rock outcrop about 100 ft. high.
10.00	Broken spur, slopes SE.; desc. about 50 ft. along broken E. slope, through scattered scrub juniper.
30.00	Head of steep draw draining E., circling to SE.; asc. about 100 ft. over steep broken SE. slope.
39.30	End of triangulation on ridge top, bears irregularly SW. and E.; desc. 10 ft. over N. slope.
40.00	<p>Point for the ¼ sec. cor. of secs. 33 and 34.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.</p>
	<p style="text-align: center;">T3N R17W</p> <p style="text-align: center;">¼</p> <p style="text-align: center;">S33 S34</p> <p style="text-align: center;">1960</p> <p>Desc. 270 ft. over broken N. slope, through moderate to scattered scrub juniper.</p>
55.50	Ravine, drains NE.; asc. 70 ft. over SE. slope.
60.20	Spur, slopes N. 30° E.; desc. 610 ft. over broken ledgy NW. slope.
79.70	<p>Point selected for the witness cor. of secs. 27, 28, 33 and 34.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.</p>
	<p style="text-align: center;">T3N R17W</p> <p style="text-align: center;">W C</p> <p style="text-align: center;">S28 S27</p> <p style="text-align: center;">S33 S34</p> <p style="text-align: center;">1960</p>
80.00	True point for the cor. of secs. 27, 28, 33 and 34 falls on steep slope of large boulder where cor. cannot be perpetuated.

Survey of a Portion of the Subdivision of T. 3 N., R. 17 W.

Chains

Land, steep, broken mountains.  
Soil, exposed limestone, slide rock and shallow clay.  
Timber, scattered to moderate scrub juniper.

N. 0° 02' W., bet. secs. 27 and 28.

Over steep broken mountainous land, through scattered to moderate scrub junipers.

Counting dist. from the true point for the cor. of secs. 27, 28, 33 and 34.

Desc. 370 ft. over steep NW. slope.

12.60 Draw, drains NE.; asc. 100 ft. over S. slope.

16.80 Small spur, slopes E.; desc. 30 ft. along general E. slope.

23.90 Spur, slopes N. 70° E., circling to NE.; desc. 290 ft. over N. slope

34.20 Wash in bottom of draw, 10 lks. wide, 3 ft. deep, drains NE.

Note: Jeep road following along the wash from the NE. terminates near the point line crosses.

Asc. 90 ft. over S. slope, through widely scattered scrub juniper.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 3 $\frac{1}{2}$  ft. base to top, with brass cap mkd.

T3N R17W

$\frac{1}{4}$   
S28|S27  
1960

Asc. 100 ft. over steep S. slope.

45.00 Spur, slopes E.; desc. 80 ft. over NE. slope.

50.30 Draw, near head, drains SE.; asc. 60 ft. over S. slope.

54.30 Spur, slopes E.; desc. 50 ft. over N. slope.

56.50 Steep rocky gully, drains E.; asc. 50 ft. over S. slope.

59.00 Small spur, slopes E.; asc. 10 ft. over gentle rolling land.

67.80 Spur, slopes E.; desc. 80 ft. over N. slope.

70.10 Draw, near head, drains E.; desc. 70 ft. along rolling E. slope.

79.10 Draw, drains E.

80.00 True point for the cor. of secs. 21, 22, 27 and 28, falls on sloping edge of drain where it is impractical to set.

Land, broken ridges, spurs and draws on NE. slope of Silver Island Mountains.

Soil, clay, exposed limestone and slide rock.

Timber, widely scattered juniper on N.  $\frac{1}{2}$  mile, scattered to moderate on S.  $\frac{1}{2}$  mile.

Survey of a Portion of the Subdivision of T. 3 N., R. 17 W.

Chains

N. 0° 02' W., bet. secs. 21 and 22;

Over rolling mountainous land.

.10 Point selected for the witness cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T3N R17W  
S21|S22  
S28|S27  
W C  
1960

Asc. 20 ft. over S. slope.

2.10 Spur, slopes E.; desc. 240 ft. over steep N. slope.

8.60 Draw, drains N. 80° E., heads about 8.00 chs. W.; desc. 220 ft. over gently rolling land putting NE.

39:30 Wash, 10 lks. wide, 1 ft. deep, drains N. 80° E.; asc. 10 ft. over S. slope.

40.00 Point for the ¼ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T3N R17W  
¼  
S21|S22  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Asc. 30 ft. over S. slope.

43.00 Small rocky spur, slopes E.; desc. 10 ft. over N. slope.

50.00 Base of descent, slopes E.; asc. 20 ft. over S. slope.

54.00 Rocky outcrop, slopes E. and W.; desc. 180 ft. over steep N. slope.

61.40 Leave mountains; desc. 60 ft. over gradual N. slope.

70.50 Road, bears NW. and SE.; desc. 70 ft. over brush covered desert land.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T3N R17W  
S16|S15  
S21|S22  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, rolling.

Soil, clay and gravel.

Timber, none.

Undergrowth, moderate low brush.

Survey of a Portion of the Subdivision of T. 3 N., R. 17 W.

Chains

N. 0° 02' W., bet. secs. 15 and 16.

Over rolling brush covered flats.

Desc. 80 ft. over gentle N. slope.

15.80

Wash, 40 lks. wide, 4 ft. deep, drains N. 15° W.; desc. 150 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., 22 ins. in the grou with brass cap mkd.

T3N R17W

$\frac{1}{4}$   
S16|S15  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Desc. 10 ft.

44.20

Wash, 10 lks. wide, 1 ft. deep, drains N. 30° E.; desc. 60 ft.

60.20

Road, bears N. 30° W. and S. 20° W.; desc. 30 ft.

68.20

Road, bears E. and W.; desc. 40 ft.

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., 20 ins. in the grou with brass cap mkd.

T3N R17W

S 9|S10  
S16|S15  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, rolling brush flats.

Soil, clay and gravel.

Timber, none.

Undergrowth, moderate low brush.

N. 0° 02' W., bet. secs. 9 and 10.

Over gentle rolling brush covered flat.

Desc. 10 ft.

16.02

Intersect the S. bdy. of sec. 34, T. 4 N., R. 17 W., at point for the closing cor. of secs. 9 and 10, T. 3 N., R. 17 W.

At point of intersection

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 20 ins. in the gr with brass cap mkd.

T4N R17W

834  
S 9|S10  
T3N R17W  
C C  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of the cor.

Survey of a Portion of the Subdivision of T. 4 N., R. 17 W.

Chains

From this cor. the 1/4 sec. cor. of sec. 34, T. 4 N., R. 17 W., which is an iron post, 2 1/2 ins. diam., described in the resurvey field notes of the S. bdy. of T. 4 N., R. 17 W., bears S. 89° 52' E., 9.58 chs. dist.

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

West, bet. secs. 16 and 21:

Over gently rolling land, through moderately low brush.

8.90 Old road, bears irregularly N. and S.

12.40 Old road, bears SE. and NW.

15.10 Wash, 1.00 ch. wide, 4 ft. deep, drains N.; asc. 70 ft. over gentle NE. slope.

36.00 Slope becomes steep to NE.; asc. 90 ft.

40.00 Point for the 1/4 sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T3N R17W

1/4 S16  
S21  
1960

Asc. 40 ft. over NE. slope.

43.80 Spur, slopes N.; desc. 20 ft. along rolling NW. slope.

59.50 Gully, drains N., heads S. about 4.00 chs. dist.; asc. 80 ft. over NE. slope.

65.30 Spur, projects N. 50 lks. dist.; desc. 80 ft. along rolling N. slope.

73.80 Draw, drains N., heads about 6.00 chs. S.; asc. 140 ft. over steep NE. slope.

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., 8 ins. in the ground, in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T3N R17W

S17 | S16  
S20 | S21  
1960

The cor. is located on spur sloping N.

Land, rolling N. slope of high mountains to the S.

Soil, clay and gravel.

Timber, none.

Undergrowth, moderate low brush and grass.

Survey of a Portion of the Subdivision of T. 3 N., R. 17 W.

Chains

N. 0° 03' W., bet. secs. 16 and 17.

Over rolling land, through moderate low brush.

Desc. 440 ft. over steep N. slope.

16.70 Slope changes to gentle N.; desc. 170 ft.

37.00 Road, bears irregularly E. and W.; desc. 30 ft.

40.00 Point for the 1/4 sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, with brass cap mkd.

T3N R17W  
1/4  
S17 | S16  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Desc. 20 ft. over gently rolling land with NW. drainage.

47.20 Small rocky spur, slopes W. from SE.; desc. 80 ft. over N. slope.

57.50 Road, bears E. and W.; desc. 80 ft.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, with brass cap mkd.

T3N R17W  
S 8 | S 9  
S17 | S16  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, rolling.  
Soil, clay and gravel.  
Timber, none.  
Undergrowth, moderate low brush.

From the cor. of secs. 9, 10, 15 and 16.

N. 89° 57' W., bet. secs. 9 and 16.

Over gently rolling brush flat; desc. 10 ft.

11.30 Road, bears S. 80° W. and N. 60° E.

17.40 Wash, 10 lks. wide, 2 ft. deep, drains N. 15° W.; desc. 30 ft.

40.00 Point for the 1/4 sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, with brass cap mkd.

T3N R17W  
1/4 S 9  
S16  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

Survey of a Portion of the Subdivision of T. 3 N., R. 17 W.

Chains

42.70 Wash, 10 links wide, 2 ft. deep, drains N. 10° W.; desc. 40 ft. over gently rolling NW slope.

80.00 The cor. of secs. 8, 9, 16 and 17.  
Land, gently rolling.  
Soil, clay and gravel.  
Timber, none.  
Undergrowth, moderate low brush.

From the cor. of secs. 8, 9, 16 and 17.

N. 0° 03' W., bet. secs. 8 and 9.

Over gentle rolling brush flat; desc. 10 ft.

6.20 Wash, 10 lks. wide, 2 ft. deep, drains NW.; desc. 10 ft.

16.15 Intersect the S. bdy. of sec. 33, T. 4 N., R. 17 W., at point for the closing cor. of secs. 8, and 9, T. 3 N., R. 17 W.

At point of intersection

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T4N R17W  
S33  
88|89  
T3N R17W  
C C  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of the cor.

From this closing cor. the ¼ sec. cor. of sec. 33, T. 4 N., R. 17 W., which is monumented by an iron post, 2½ ins. diam., heretofore described, bears S. 89° 57' E., 9.45 chs. dist.

The point for the N. ¼ sec. cor. of sec. 9, T. 3 N., R. 17 W., is at midpoint and on the N. bdy. of the Tp.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T4N  
¼ S9  
T3N R17W  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of the cor.

From this cor. the cor. of secs. 33 and 34, T. 4 N., R. 17 W., which is an iron post, 2½ ins. diam., hereinbefore described, bears S. 89° 52' E., 9.47 chs. dist.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., monumented by an iron post, 2½ ins. diam., described in the field notes of T. 2 N., R. 17 W.

Survey of a Portion of the Subdivision of T. 3 N., R. 17 W.

Chains

N. 0° 03' W., bet. secs. 32 and 33.

Over mountainous land, through scattered juniper.

Desc. 390 ft. over NW. slope.

15.50 Wash, in bottom of canyon, 30 lks. wide, 1 ft. deep, drains NW., (jeep road coming in from NW. ends near where line crosses); asc. 34 ft. over steep rocky.

26.80 Spur, slopes NW.; desc. 450 ft. over steep 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., on broken limestone bedrock, in a mound of stone,  $3\frac{1}{2}$  ft. base to top, with brass cap mkd.

T3N R17W

$\frac{1}{4}$   
S32|S33  
1960

Desc. 130 ft. over N. slope.

45.70 Draw, drains W.; asc. 400 ft. over steep broken S. slope.

60.50 Large spur crest, slopes N. 70° W.; desc. 480 ft. over steep broken NE. slope.

78.00 Base of spur, thence across bottom of draw.

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., 12 ins. in the ground in a mound of stone, 3 ft. base to top, with brass cap mkd.

T3N R17W

S29|S28  
S32|S33  
1960

The cor. is located in the bottom on the S. side of a draw draining irregularly W.

Land, mountainous.

Soil, exposed limestone, gravel and clay.

Timber, scattered juniper.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., monumented by an iron post,  $2\frac{1}{2}$  ins. diam., described in the field notes of T. 2 N., R. 17 W.

N. 0° 04' W., bet. secs. 31 and 32.

Over rolling land, through moderately low brush.

Desc. 70 ft. over N. slope.

5.10 Wash, 1.00 ch. wide, 3 ft. deep; drains N. 80° W.; asc. 80 ft. over SW. slope.

17.00 Low ridge, bears NW. and SE.; desc. 130 ft. over NE. slope.

25.00 Wash, 50 lks. wide, 3 ft. deep, drains NW.; desc. 20 ft. over gently rolling land.

Survey of a Portion of the Subdivision of T. 3 N., R. 17 W.

Chains

46.10

Small gully, drains S.; asc. 10 ft.

48.00

Small finger spur, slopes S.; desc. 50 ft.

57.30

Draw, drains SW.; cont. along rolling S. slope.

65.50

Finger spur, slopes S.; desc. 50 ft.

80.02

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

Land, rolling.

Soil, clay and gravel.

Timber, scattered juniper on E. end of mile.

GENERAL DESCRIPTION

T. 3 N., R. 17 W. is composed of barren alkali lake beds in the northeast and northwest, rolling desert and low hills in the north central and along the western portion, with high rugged mountains throughout the remainder. The soil varies from alkali and wet clay on the lake bed to clay, gravel and exposed limestone on the slopes and mountain ranges. There is a moderate growth of low brush on the slopes and rolling foothills with scattered juniper and vegetation at the higher elevations. Triangulation station "Silver" is at the highest point, being about 7500 feet, with the lowest point being in the northeast corner of the township at an elevation of about 4300 feet above sea level.

Some mining has been done in the township and the winter grazing of livestock is still of interest. There is no source of water in the area, and with the exception of road extension and improvement, no recent developments noted.

## Survey of a portion of the subdivision of T. 3 N., R. 17 W.

Chains	
36.20	Wash, 30 lks. wide, 2 ft. deep, drains NW.
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., 20 ins. in the ground, with brass cap mkd. T3N R17W S31 S32 1960
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor. Desc. 70 ft. over general N. slope.
48.90	Wash, 20 lks. wide, 4 ft. deep, drains N. $80^\circ$ W.; asc. 20 ft. over gentle rolling land.
53.30	Wash, 10 lks. wide, 3 ft. deep, drains N. $80^\circ$ W.; asc. 20 ft.
58.50	Road, follows along small spur sloping W.; desc. 30 ft. over N. slope.
68.80	Wash, 50 lks. wide, 1 ft. deep, drains W., road follows along the bottom; asc. 100 ft. over S. slope.
76.30	Spur, slopes S. $70^\circ$ W.; asc. 40 ft.
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., 4 ins. in the ground, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd. T3N R17W S30 S29 S31 S32 1960
	Land, rolling desert flats. Soil, clay and gravel. Timber, none. Undergrowth, moderately low brush.
	From the cor. of secs. 28, 29, 32 and 33. S. $89^\circ 56'$ W., bet. secs. 29 and 32. Over rolling land; asc. 20 ft. along N. end of spur.
7.90	Top of ascent; desc. 160 ft. along rolling N. slope.
26.30	Wash, in bottom of draw, 50 lks. wide, 2 ft. deep, drains S. $80^\circ$ W.; road follows along the bottom; desc. 50 ft. along the N. side of the wash.
40.01	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd. T3N R17W $\frac{1}{4}$ S29 S32 1960
	Desc. 10 ft.

4-888  
Feb., 1960)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Paul G. Bauer	Transitman
Dan V. Coleman	Chairman (Notekeeper)
Douglas L. McInelly	Chairman
Jerald V. Thompson	Cornerman
Anthony Coombs	Flagman

CERTIFICATE OF CADASTRAL ENGINEER

I, Boyd S. Owens, HEREBY CERTIFY upon honor that, i  
pursuance of special instructions bearing date of the 28th day of July, 196  
I have ~~surveyed~~ independently resurveyed the south boundary of T. 4 N., R. 17  
surveyed the east and west boundaries and a portion of the subdivision of T. 3 N.,  
R. 17 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 th  
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 foregoi  
field notes.

Salt Lake City, Utah  
February 23, 1961

Boyd S. Owens  
Boyd S. Owens  
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., APR 3 1962, 19

The foregoing field notes of the ~~survey of~~ dependent resurvey of the south boundary of  
T. 4 N., R. 17 W. and the survey of the east and west boundaries and a portion of  
subdivision of T. 3 N., R. 17 W., Salt Lake Meridian, Utah

executed by Boyd S. Owens, Cadastral Surveyor  
having been critically examined and found correct, are hereby approved.

Ed Pennington  
~~Cadastral Engineering Staff Officer~~  
Chief, Division of Engineering

I CERTIFY that the transcript of the field notes of the above-described surveys in T. 3 N  
R. 17 W., SLM, Utah, is a true copy of e field notes.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL  
FIELD NOTES

OF THE

RETRACEMENT

OF THE EAST BOUNDARY

AND THE SURVEY

OF THE WEST BOUNDARY

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 3 SOUTH, RANGE 11 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor (Chief of Party)

Robert S. Kaiser, Cadastral Surveyor

per special instructions dated June 2, 1960, which provided

the surveys included under Group No. 440, approved July 8, 1960

assignment instructions dated July 8, 1960

Survey commenced August 22, 1960

Survey completed September 2, 1960

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## Township 3 South, Range 11 West

Chains

The north boundary of T. 3 S., R. 11 W. was surveyed by Miller and Clark in 1913 and is shown upon the plat of T. 2 S., R. 11 W., approved April 5, 1915. The east boundary was surveyed by A. J. Stookey in 1909, and the record thereof appears on the plat of T. 3 S., R. 10 W., approved February 23, 1912. The south boundary was surveyed concurrently under Group 440 and is described in the field notes of T. 4 S., R. 11 W.

The following field notes are those of the retracement of the east boundary, the survey of the west boundary and a portion of the subdivisional lines of T. 3 S., R. 11 W.

The survey was executed with W. & L. E. Gurley solar transits, Nos. 541325 and 461265, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of this 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 one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude  $40^{\circ} 30' 25.16''$  N. and longitude  $113^{\circ} 01' 42.41''$  W. as adjusted from traverse from the standard township corner of T. 4 S., Rs. 11 and 12 W.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be  $16^{\circ} 45' E.$

Retracement of the East Boundary of T. 3 S., R. 11 W.

Retracement of the survey executed by A. J. Stookey in 1909.

Beginning at the cor. of Tps. 3 and 4 S., Rs. 10 and 11 W., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

## Retracement, E. Bdy., T. 3 S., R. 11 W.

Chains	
	N. 0° 03' W., bet. secs. 31 and 36.
	Over gently rolling land, through low brush and shadscale.
	Desc. 10 ft. over gentle NW. slope.
8.80	Wash, 10 lks. wide, 3 ft. deep, drains N. 70° W.
24.90	Wash, 40 lks. wide, 3 ft. deep, drains N. 70° W.
36.20	Wash, 30 lks. wide, 3 ft. deep, drains W.
40.02	The $\frac{1}{2}$ sec. cor. of secs. 31 and 36, mkd. by an iron post, 1 in. set, mkd. and witnessed as described in the official record.
	<hr/>
	N. 0° 03' W., bet. secs. 31 and 36, beginning new measurement.
	Over gently rolling land.
13.20	Wash, 20 lks. wide, 3 ft. deep, drains W.
39.99	The cor. of secs. 25, 30, 31 and 36, mkd. by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.
	Land, gently rolling.
	Soil, sandy, clay and stones.
	Timber, none.
	Undergrowth, scattered to moderate shadscale.
	<hr/>
	N. 0° 02' W., bet. secs. 25 and 30.
	Over gentle SW. slope, through shadscale undergrowth.
6.90	Wash, 30 lks. wide, 3 ft. deep, drains W.
19.50	Wash, 40 lks. wide, 3 ft. deep, drains W.
24.50	Wash, 20 lks. wide, 4 ft. deep, drains W.
40.03	The $\frac{1}{2}$ sec. cor. of secs. 25 and 30, an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.
	<hr/>
	N. 0° 08' W., bet. secs. 25 and 30, beginning new measurement.
	Over gentle NW. slope.
21.70	Wash, 30 lks. wide, 3 ft. deep, drains W.
27.40	Wash, 20 lks. wide, 2 ft. deep, drains W.
38.80	Wash, 40 lks. wide, 2 ft. deep, drains W.
40.08	The cor. of secs. 19, 24, 25 and 30, an iron post, 3 ins. diam., mkd. and witnessed as described in the official record.
	Land, gently rolling.
	Soil, sandy, clay and gravel.
	Timber, none.

## Retracement, E. Bdy., T. 3 S., R. 11 W.

Chains

N. 0° 01' E., bet. secs. 19 and 24.

Over gentle NW. slope.

9.20 Wash, 20 lks. wide, 3 ft. deep, drains W.

16.00 Wash, 20 lks. wide, 3 ft. deep, drains W.

40.03 The  $\frac{1}{2}$  sec. cor. of secs. 19 and 24, an iron post, 1 in. diam, set, mkd. and witnessed as described in the official record.

N. 0° 01' W., bet. secs. 19 and 24, beginning new measurement.

Over gently rolling land.

13.30 Wash, 40 lks. wide, 6 ft. deep, drains W.

37.00 Wash, 20 lks. wide, 3 ft. deep, drains W.

40.05 The cor. of secs. 13, 18, 19 and 24, an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

Land, gently rolling.

Soil, sandy, clay and gravel.

Timber, none.

Undergrowth, moderate shadscale.

N. 0° 11' W., bet. secs. 13 and 18.

Over gentle W. slope.

12.50 Wash, 30 lks. wide, 5 ft. deep, drains W.

19.90 Wash, 30 lks. wide, 3 ft. deep, drains W.; desc. 10 ft.

40.00 The  $\frac{1}{2}$  sec. cor. of secs. 13 and 18, an iron post, 1 in. diam., mkd. as described in the official record. The cor. point falls in wash, 40 lks. wide, 2 ft. deep, drains NW. The cor. partially washed out was set 14 ins. in the ground, and in a mound of stone 3 ft. base to top.

N. 0° 04' W., bet. secs. 13 and 18, beginning new measurement.

Over gently rolling bench land.

1.40 Wash, 40 lks. wide, 4 ft. deep, drains W.; desc. 20 ft.

26.80 Wash, 10 lks. wide, 4 ft. deep, drains W.; desc. 10 ft.

40.09 The cor. of secs. 7, 12, 13 and 18, an iron post, 3 ins. in diam., set, mkd. and witnessed as described in the official record.

Land, gently rolling.

Soil, sandy and stony.

Timber, none.

Undergrowth, moderate shadscale.

## Retracement, E. Bdy., T. 3 S., R. 11 W.

Chains

N. 0° 03' W., bet. secs. 7 and 12.

Over gently rolling bench land.

3.00 Wash, 60 lks. wide, 6 ft. deep, drains W.

6.40 Dirt road, bears N. 30° E. and S. 30° W., about 1.00 ch., thence W.

18.20 Wash, 50 lks. wide, 4 ft. deep, drains S. 70° W.

40.10 The  $\frac{1}{2}$  sec. cor. of secs. 7 and 12, an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

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N. 0° 03' W., bet. secs. 7 and 12, beginning new measurement.

Over gently rolling bench land; asc. 20 ft.

37.30 Wash, 20 lks. wide, 3 ft. deep, drains S. 70° W.; asc. 10 ft.

40.05 The cor. of secs. 1, 6, 7 and 12, an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

Land, gently rolling.  
Soil, sandy, gravel and rocks.  
Timber, none.  
Undergrowth, moderate shadscale.

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N. 0° 03' W., bet. secs. 1 and 6.

Over gently rolling bench land; desc. 10 ft.

25.30 Wash, 50 lks. wide, 6 ft. deep, drains W.

40.07 The  $\frac{1}{2}$  sec. cor. of secs. 1 and 6, an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

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N. 0° 03' W., bet. secs. 1 and 6, beginning new measurement.

Over gently rolling bench land; asc. 30 ft.

27.40 Wash, 50 lks. wide, 8 ft. deep, drains W.

40.10 The cor. of Tps. 2 and 3 S., Rs. 10 and 11 W., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

Land, gently rolling.  
Soil, sandy, gravel and rocks.  
Timber, none.  
Undergrowth, moderate shadscale.

## Survey of the West Boundary of T. 3 S., R. 11 W.

Beginning at the cor. of Tps. 3 and 4 S., Rs. 11 and 12 W., an iron post, 2 $\frac{1}{2}$  ins. diam., described in the field notes of T. 4 S., R. 11 W.

N. 0° 03' W., bet. secs. 31 and 36.

## Survey, W. Bdy., T. 3 S., R. 11. W.

Chains	
	Over nearly level land, small sand dunes.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.  T3S R12W R11W $\frac{1}{4}$ S36 S31 1960
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
74.20	Road, bears E. and W.
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., 24 ins. in the ground, with brass cap mkd.  T3S R12W R11W S25 S30 S36 S31 1960
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor. Land, gently rolling. Soil, clay loam. Timber, none. Undergrowth, moderate shadscale.
	N. $0^{\circ} 03'$ W., bet. secs. 25 and 30.
	Over nearly level desert land, through moderate shadscale.
23.00	Road, bears E. and 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. diam., 24 ins. in the ground, with brass cap mkd.  T3S R12W R11W $\frac{1}{4}$ S25 S30 1960
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
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., 22 ins. in the ground, with brass cap mkd.

W. Bdy., T. 3 S., R. 11. W.

Chains

T3S  
R12W R11W  
S24 | S19  
S25 | S30  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, nearly level desert.  
Soil, clay.  
Timber, none.  
Undergrowth, moderate shadscale.

N. 0° 03' W., bet. secs. 19 and 24.

Over nearly level desert land, through moderate low brush and shadscale.

32.00 Road, bears NW. and SE.

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., 22 ins. in the ground, with brass cap mkd.

T3S  
R12W R11W  
 $\frac{1}{4}$   
S24 | S19  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

76.20 Road, bears E. and 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 and in a collar of stone, with brass cap mkd.

T3S  
R12W R11W  
S13 | S18  
S24 | S19  
1960

Land, nearly level desert.  
Soil, clay.  
Timber, none.  
Undergrowth, moderate brush and shadscale.

N. 0° 03' W., bet. secs. 13 and 18.

Over nearly level desert land, through moderate low brush.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

## Survey, W. Bdy., T. 3 S., R. 11 W.

Chains

T3S  
R12W R11W  
¼  
S13|S18  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

80.00

Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T3S  
R12W R11W  
S12|S 7  
S13|S18  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, nearly level desert.

Soil, clay.

Timber, none.

Undergrowth, moderate low brush and shadscale.

N. 0° 03' W., bet. secs. 7 and 12.

Over nearly level desert land, through moderate low brush and shadscale.

10.10

Jeep road, bears NW. and SE.

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.

T3S  
R12W R11W  
¼  
S12|S 7  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

80.00

Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T3S  
R12W R11W  
S 1|S 6  
S12|S 7  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, nearly level desert.

Soil, clay.

Timber, none.

Undergrowth, moderate brush and shadscale.

W. Bdv., T. 3 S., R. 11 W.

Chains

N. 0° 03' W., bet. secs. 1 and 6.

Over nearly level desert land, through moderate low brush and shadscale.

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., 24 ins. in the ground, with brass cap mkd.

T3S  
R12W R11W  
1/4  
S 1 | S 6  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

80.84 The cor. of Tps. 2 and 3 S., Rs. 11 and 12 W., a 3 in. iron post, set, mkd. and witnessed as described in the official record.

Land, nearly level desert.  
Soil, clay.  
Timber, none.  
Undergrowth, moderate brush and shadscale.

Survey of a Portion of the Subdivision of T. 3 S., R. 11 W.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., an iron post, 2 1/2 ins. diam., described in the field notes of T. 4 S., R. 11 W.

N. 0° 04' W., bet. secs. 35 and 36.

Over gently rolling land; desc. 20 ft.

21.90 Wash, 50 lks. wide, 4 ft. deep, drains W.; desc. 30 ft.

37.90 Wash, 40 lks. wide, 3 ft. deep, drains W.; desc. 10 ft.

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., 20 ins. in the ground and in a collar of stone, with brass cap mkd.

T3S R11W  
1/4  
S35 | S36  
1960

Desc. 10 ft. over gently rolling land.

57.20 Wash, 20 lks. wide, 2 ft. deep, drains W.; desc. 20 ft.

68.50 Wash, 20 lks. wide, 4 ft. deep, drains N. 80° W.; desc. 10 ft.

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., 20 ins. in the ground and in a collar of stone, with brass cap mkd.

## Survey, Portion of Subdivision, T. 3 S., R. 11 W.

Chains

T3S R11W  
 S26|S25  
 S35|S36  
 1960

Land, gently rolling.  
 Soil, sandy and gravelly.  
 Timber, none.  
 Undergrowth, moderate shadscale.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

S. 89° 59' W., bet. secs. 25 and 36.

Over gently rolling land, through moderate shadscale.

Desc. 150 ft. over gently rolling W. slope.

40.06 Point for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 6 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T3S R11W  
 $\frac{1}{4}$  S25  
 S36  
 1960

Desc. 90 ft.

68.90 Wash, 20 lks. wide, 2 ft. deep, drains N. 80° W.; desc. 20 ft.

80.12 The cor. of secs. 25, 26, 35 and 36.

Land, gently rolling.  
 Soil, sand and gravel.  
 Timber, none.  
 Undergrowth, moderate shadscale.

From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp. an iron post,  $2\frac{1}{2}$  ins. diam., described in the field notes of T. 4 S., R. 11 W.

N. 0° 05' W., bet. secs. 33 and 34.

Over nearly level desert land.

14.40 Wash, 30 lks. wide, 4 ft. deep, drains 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.

## Portion of Subdivision T. 3 S., R. 11 W.

Chains

T3S R11W  
 $\frac{1}{4}$   
 S33|S34  
 1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

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. diam., 24 ins. in the ground, with brass cap mkd.

T3S R11W  
 S28|S27  
 S33|S34  
 1960

Land, nearly level desert.  
 Soil; sandy clay loam.  
 Timber, none.  
 Undergrowth, moderate shadscale.

N.  $0^{\circ} 05'$  W., bet. secs. 27 and 28.

Over nearly level desert land.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T3S R11W  
 $\frac{1}{4}$   
 S28|S27  
 1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

54.40 Road, bears N.  $20^{\circ}$  E. and S.  $20^{\circ}$  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.

T3S R11W  
 S21|S22  
 S28|S27  
 1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, nearly level desert.  
 Soil, clay.  
 Timber, none.  
 Undergrowth, moderate shadscale.

## Survey, Portion of Subdivision, T. 3 S., R. 11 W.

Chains	N. 0° 05' W., bet. secs. 21 and 22.
	Over nearly level desert land.
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., 24 ins. in the ground, with brass cap mkd.
	T3S R11W. $\frac{1}{4}$ S21 S22 1960
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
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., 24 ins. in the ground, with brass cap mkd.
	T3S R11W. S16 S15 S21 S22 1960
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
	Land, nearly level desert. Soil, clay. Timber, none. Undergrowth, moderate shadscale.
N. 0° 05' W., bet. secs. 15 and 16.	
	Over nearly level desert land.
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., 24 ins. in the ground, with brass cap mkd.
	T3S R11W. $\frac{1}{4}$ S16 S15 1960
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
49.50	Wash, 20 lks. wide, 3 ft. deep, drains W.
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., 24 ins. in the ground, with brass cap mkd.
	T3S R11W. S 9 S10 S16 S15 1960
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
	Land, nearly level desert. Soil, clay. Timber, none. Undergrowth, moderate shadscale.

## Portion of Subdivision T. 3 S. R. 11 W.

Chains

N. 0° 05' W., bet. secs. 9 and 10.

Over nearly level desert land.

19.00 Road, bears N. 60° W. and S. 60° 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., 24 ins. in the ground, with brass cap mkd.

T3S R11W

S 9 | S 10

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

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., 24 ins. in the ground, with brass cap mkd.

T3S R11W

S 4 | S 3

S 9 | S 10

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, nearly level desert.

Soil, clay.

Timber, none.

Undergrowth, moderate shadscale.

N. 0° 02' W., bet. secs. 3 and 4.

Over nearly level desert land.

14.00 Wash, 20 lks. wide, 5 ft. deep, drains W.

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., 24 ins. in the ground, with brass cap mkd.

T3S R11W

S 4 | S 3

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

56.40 Road, bears NE. and SW.

80.77 The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

Land, nearly level desert.

Soil, clay.

Timber, none.

Undergrowth, moderate shadscale.

## Survey, Portion of Subdivision, T. 3 S., R. 11 W.

Chains

From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record of the 1913 survey of the S. bdy. of T. 2 S., R. 11 W.

S. 0° 04' E., bet. secs. 2 and 3,

Over gently rolling desert land.

11.80 Wash, 20 lks. wide, 4 ft. deep, drains W.

40.57 Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T3S R11W

$\frac{1}{4}$

S 3|S 2

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

80.57 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T3S R11W

S 3|S 2

S10|S11

1960

Land, gently rolling desert.

Soil, clay and gravel.

Timber, none.

Undergrowth, moderate shadscale.

From the cor. of secs. 2, 3, 10 and 11.

N. 89° 51' E., bet. secs. 2 and 11.

Over rolling desert land; asc. 50 ft. over W. slope.

13.20 Low rise, bears N. and S.

32.00 Small wash, drains S.

33.80 Wash, 30 lks. wide, 4 ft. deep, drains S. 20° W.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.

T3S R11W

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

S11

1960

79.80 Wash, 30 lks. wide, 3 ft. deep, drains S. 50° W.

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., 18 ins. in the ground and in a collar of stone, with brass cap mkd.

## Survey, Portion of Subdivision, T. 3 S., R. 11 W.

Chains

T3S R11W

S 2 | S 1

S11 | S12

1960

Land, gently rolling.  
Soil, clay and gravel.  
Timber, none.  
Undergrowth, moderate shadscale.

North, bet. secs. 1 and 2.

Over gently rolling land.

.60 Wash, 30 lks. wide, 3 ft. deep, drains S. 50° W.; asc. 20 ft. over S. slope.

24.00 Jeep trail, bears E. and N. 70° W.

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., 20 ins. in the ground and in a collar of stone, with brass cap mkd.

T3S R11W

 $\frac{1}{4}$ 

S 2 | S 1

1960

Cont. over gently rolling land.

80.38 The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record of the 1913 survey of the S. bdy. of T. 2 S., R. 11 W.

Land, gently rolling.  
Soil, clay and gravel.  
Timber, none.  
Undergrowth, moderate shadscale.

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

West, bet. secs. 16 and 21.

Over gently rolling desert land.

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.

T3S R11W

 $\frac{1}{4}$  S16

S21

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

## Survey, Portion of Subdivision, T. 3 S., R. 11 W.

Chains	
	<p style="text-align: center;">T3S R11W  <u>S17</u>   <u>S16</u>            S20   S21            1960</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.            Land, gently rolling desert.            Soil, clay loam.            Timber, none.            Undergrowth, moderate shadscale.</p>
40.00	<p>N. 0° 06' W., bet. secs. 16 and 17.            Over nearly level desert land.            Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 16 and 17.            Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T3S R11W  <math>\frac{1}{4}</math>  <u>S17</u>   <u>S16</u>            1960</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p>
80.00	<p>Point for the cor. of secs. 8, 9, 16 and 17.            Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T3S R11W  <u>S 8</u>   <u>S 9</u>  <u>S17</u>   <u>S16</u>            1960</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.            Land, gently rolling.            Soil, clay.            Timber, none.            Undergrowth, moderate shadscale.</p>
40.00	<p>From the cor. of secs. 9, 10, 15 and 16, hereinbefore described.            West, bet. secs. 9 and 16.            Over nearly level desert land.            Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 9 and 16.            Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground and in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T3S R11W  <math>\frac{1}{4}</math> <u>S 9</u>  <u>S16</u>            1960</p>
30.00	<p>The cor. of secs. 8, 9, 16 and 17.            Land, nearly level desert.            Soil, clay.            Timber, none.            Undergrowth, moderate shadscale.</p>

Continuation of Subdivision T. 3 S. 11 W.

Chains

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp.  
an iron post, 2½ ins. diam., described in the field notes of T. 4 S.,  
R. 11 W.

N. 0° 06' W., bet. secs. 32 and 33.

Over nearly level desert land.

16.90 Road, bears N. 70° W. and S. 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., 24 ins. in the ground,  
with brass cap mkd.

T3S R11W

¼  
S32 | S33  
1960

Deposit glass in the hole alongside the iron post.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground,  
with brass cap mkd.

T3S R11W

S29 | S28  
S32 | S33  
1960

Deposit glass in the hole alongside the iron post.

Land, nearly level desert.

Soil, clay.

Timber, none.

Undergrowth, moderate shadscale and greasewood.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp.,  
an iron post, 2½ ins. diam., described in the field notes of T. 4 S.,  
R. 11 W.

N. 0° 06' W., bet. secs. 31 and 32.

Over gently rolling desert land; desc. 10 ft.

40.00 Point for the ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground  
and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T3S R11W

¼  
S31 | S32  
1960

Desc. 10 ft.

## Survey, Portion of Subdivision, T. 3 S., R. 11 W.

Chains 45.00 58.40 80.00	<p>Dirt road, bears E. and W.; asc. 10 ft.</p> <p>Small spur, bears N. 20° E. and S.; desc. 50 ft. over NW. slope.</p> <p>Point for the cor. of secs. 29, 30, 31 and 32.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T3S R11W S30 S29 S31 S32 1960</p> <p>Deposit glass in the hole alongside the iron post.</p> <p>Land, gently rolling. Soil, clay. Timber, none. Undergrowth, moderate shadscale and greasewood.</p>
12.10 40.01	<p>From the cor. of secs. 28, 29, 32 and 33.</p> <p>N. 89° 59' W., bet. secs. 29 and 32.</p> <p>Over nearly level desert land.</p> <p>Dirt road, bears N. and S.</p> <p>Point for the ¼ sec. cor. of secs. 29 and 32.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T3S R11W ¼ S29 S32 1960</p> <p>Deposit glass in the hole alongside the iron post.</p>
72.00 80.02	<p>Small rise, bears N. 20° E. and S. 20° W.; desc. 30 ft. over gentle NW. slope.</p> <p>The cor. of secs. 29, 30, 31 and 32.</p> <p>Land, gently rolling desert. Soil, clay. Timber, none. Undergrowth, moderate shadscale and greasewood.</p>

## General Description

The land in T. 3 S., R. 11 W. is nearly level desert land in the central and western portion and gently rolling desert along the east boundary. The soil varies from clay loam in the western and central areas to gravel clay loam in the eastern portion. The elevation ranges from about 4,275 feet to about 5,100 feet above sea level, the highest point being in the northeast corner and the lowest at the southwest corner of the township.

There is a moderate growth of shadscale, greasewood and low sage throughout the area, but due to the lack of water the land is used primarily for the winter grazing of livestock. Several roads throughout the area give easy access to the township, but there are no recent improvements or developments.

Chains

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**Page**



CERTIFICATE OF CADASTRAL ENGINEER

We, Craig P. Sylvester & Robert S. Kaiser, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 2nd day of June, 1960, we have retraced the east boundary and surveyed the west boundary and a portion of the subdivision of T. 3 S., R. 11 W., Salt Lake Mer.

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 1, 1961

Robert S. Kaiser, Cadastral Surveyor
Craig P. Sylvester, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., APR 3 1962, 19

The foregoing field notes of the retracement of the east boundary and the west boundary and a portion of the subdivision of T. 3 S., R. 11 W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester, Cadastral Surveyor (Chief of Party)
Robert S. Kaiser, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.

Chief, Division of 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.

Cadastral Engineering Staff Officer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF A

SURVEY OF THE NORTH BOUNDARY.

A PORTION OF THE EAST BOUNDARY

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 2 SOUTH, RANGE 13 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

er special instructions dated August 22, 1960, which provided

the surveys included under Group No. 441, approved September 6, 1960.

assignment instructions dated September 6, 1960.

Survey commenced October 3, 1960.

Survey completed October 25, 1960.

# INDEX DIAGRAM

Township 2 South, Range 13 West

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		14			
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19	20	21	22	23	24
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Township 2 South, Range 13 West

Chains

The west boundary was surveyed by Andrew Nelson in 1925. The south boundary lies within the Wendover Bombing and Gunnery Range and was not surveyed.

The following field notes are those of a survey of the north boundary, a portion of the east boundary, and a portion of the subdivision deemed sufficient in extent to facilitate development of the natural resources, and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transit No. 541325 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.

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 cor. of secs. 13, 18, 19 and 24, on the east boundary of the township, is at latitude  $40^{\circ} 38' 15.64''$  N. and longitude  $113^{\circ} 15' 21.36''$  W., as adjusted from traverses to U.S.C. & G. S. triangulation station "Clive."

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be  $16^{\circ} 45'$  East.

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Survey of a Portion of the East Boundary of T. 2 S., R. 13 W.

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Beginning at the cor. of Tps. 1 and 2 S., Rs. 12 and 13 W., monumented by an iron post,  $2\frac{1}{2}$  ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of the north boundary of T. 2 S., R. 12 W.

South, bet. secs. 1 and 6, in accordance with the special instructions.

Over gently rolling desert land covered with shadscale, through low sand dunes.

Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 6.

## Survey of a Portion of the East Boundary of T. 2 S., R. 13 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T2S

R13W R12W

S1 | S6

1960

Cont. over gently rolling desert land.

80.00

Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S

R13W R12W

S1 | S6

S12 | S 7

1960

Land, rolling.

Soil, sandy clay.

Timber, none.

Undergrowth, shadscale.

South, bet. secs. 7 and 12.

Over rolling desert land covered with shadscale.

40.00

Point for the ¼ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S

R13W R12W

S12 | S 7

1960

Deposit glass with iron post.

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of iron post.

Cont. over rolling desert land.

56.00

Base of low hills, bears E. and W.; asc. 255 ft. over N. slope.

80.00

Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T2S

R13W R12W

S12 | S 7

S13 | S18

1960

Land, rolling N. portion; broken S. portion.

Soil, sandy, rocky on hills.

Timber, none.

Undergrowth, shadscale.

Chains

South, bet. secs. 13 and 18.

Over hilly desert land; asc. 135 ft. over N. slope.

4.30 Spur, slopes NW.; desc. 200 ft. over SW. slope.

27.20 Small draw, drains W.; asc. 55 ft. over NW. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 13 and 18.Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 8 ins. in the ground, to bedrock, in a mound of stone,  $3\frac{1}{2}$  ft. base to top, with brass cap mkd.

T2S  
R13W R12W  
 $\frac{1}{4}$   
S13 | S18  
1960

Asc. NW. slope.

43.80 Top of sandy ridge, bears NE. and SW.; desc. 185 ft. over rolling SE. slope.

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., 24 ins. in the ground, with brass cap mkd.

T2S  
R13W R12W  
S13 | S18  
S24 | S19  
1960

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of iron post.

Land, broken.

Soil, sandy and rocky.

Timber, none.

Undergrowth, shadscale.

## Survey of the North Boundary of T. 2 S., R. 13 W.

From the cor. of Tps. 1 and 2 S., Rs. 12 and 13 W., mkd. by an iron post,  $2\frac{1}{2}$  ins. diam., set, mkd. and witnessed as described in the field notes of T. 2 S., R. 12 W.

West, bet. secs. 1 and 36.

Over gently rolling desert land covered with shadscale.

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. diam., 24 ins. in the ground, with brass cap mkd.

T1S R13W  
 $\frac{1}{4}$  S36  
S 1  
T2S  
1960

Deposit glass with iron post.

Survey of the North Boundary of T. 2 S., R. 13 W.

Chains

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of iron post.  
Cont. over gently rolling desert land draining W.

80.00

Point for the cor. of secs. 1, 7, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R13W  
S35 | S36  
S2 | S1  
T2S  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.

Land, gently rolling.  
Soil, sandy.  
Timber, none.  
Undergrowth, shadscale.

West, bet. secs. 2 and 35.

Over rolling desert land covered with shadscale; asc. 25 ft. over gentle E. slope.

40.00

Point for the ¼ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R13W  
¼ S35  
S 2  
T2S  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.

Asc. 50 ft. over E. slope.

49.00

Small rocky ledge; bears N. and S.; asc. 45 ft. along N. slope.

72.70

Spur, slopes N.; desc. 115 ft. over W. slope of spur.

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, in a collar of stone, with brass cap mkd.

T1S R13W  
S34 | S35  
S3 | S2  
T2S  
1960

Cor. falls on small sand dune near base of spur.

Land, rolling to broken.  
Soil, sandy, rocky spots.  
Timber, none.  
Undergrowth, shadscale.

## Survey of the North Boundary of T1S, R13W.

Chains	
	<p>West, bet. secs. 3 and 34.</p> <p>Over level desert land covered with small sand dunes.</p>
40.00	<p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 3 and 34.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T1S R13W <math>\frac{1}{4}</math> S34 S 3. T2S 1960</p>
	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.</p> <p>Cont. over level desert land.</p>
80.00	<p>Point for the cor. of secs. 3, 4, 33 and 34.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T1S R13W S33 S34 S4 S3 T2S 1960</p>
	<p>Raise a mound of stone, <math>2\frac{1}{2}</math> ft. base, 2 ft. high, N. of iron post.</p> <p>Land, level desert. Soil, sandy clay. Timber, none.</p>
	<p>West, bet. secs. 4 and 33.</p> <p>Over level alkali land, with scattered sand dunes.</p>
40.00	<p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 4 and 33.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T1S R13W <math>\frac{1}{4}</math> S33 S 4 T2S 1960</p>
	<p>Raise a mound of stone, <math>2\frac{1}{2}</math> ft. base, 2 ft. high, N. of iron post.</p> <p>Cont. over level desert land.</p>
80.00	<p>Point for the cor. of secs. 4, 5, 32 and 33.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T1S R13W S32 S33 S5 S4 T2S 1960</p>
	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.</p>

## Survey of the North Boundary of T. 2 S., R. 13 W.

Chains

Land, level.  
Soil, sandy clay.  
Timber, none.

West, bet. secs. 5 and 32.

Over level desert land with scattered sand dunes.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 5 and 32.Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R13W

 $\frac{1}{4}$  S32

S 5

T2S

1960

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

Cont. over level desert land.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R13W

S31 | S32

S6 | S5

T2S

1960

Raise a mound of stone, 2 ft. base, 2 ft. high, N. of iron post.

Land, level.  
Soil, sandy clay.  
Timber, none.

West, bet. secs. 6 and 31.

Over level desert land covered with alkalis.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 6 and 31.Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R13W

 $\frac{1}{4}$  S31

S 6

T2S

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.

Cont. over level desert land.

78.15 Intersect the E. bdy. of T. 1 S., R. 14 W.

Point for the closing cor. of Tps. land 2 S., R. 13 W.

Survey of the North Boundary of T. 2 S., R. 13 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S  
R14W R13W  
S36 | S31 C  
      | S 6 C  
T2S  
1960

Raise a mound of stone, 2 ft. base, 2 ft. high, E. of iron post.

From this closing cor. the original cor. of Tps. 1 and 2 S., Rs. 13 and 14 W., bears South 6.20 chs. dist., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record. This cor. was remarked to refer to R. 14 W. only.

Land, level.  
Soil, clay with alkali.  
No vegetation.

Survey of a Portion of the Subdivision of T. 2 S., R. 13 W.

From the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp. West, bet. secs. 13 and 24,

Over hilly desert land; asc. 75 ft. over SE. slope.

18.80 Top of low sandy ridge, bears NE. and SW.; desc. 75 ft. over W. slope.

34.80 Base of W. slope, thence over level desert land.

40.00 Point for the ¼ sec. cor. of secs. 13 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S R13W  
¼ | S13  
      | S24  
1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of iron post.

Cont. over level desert land.

80.00 Point for the cor. of secs. 13, 14,, 23 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S R13W  
S14 | S13  
S23 | S24  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.

Land, hilly E. portion; level W. portion.  
Soil, clay, sandy and rocky on hills.  
Timber, none.  
Undergrowth, shadscale.

## Survey of a Portion of the Subdivision of T. 20S., R. 13 W.

Chains

West, bet. secs. 14 and 23.

Over level desert land covered with shadscale.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 14 and 23.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S R13W

 $\frac{1}{4}$  S14

S23

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.

Cont. over level desert land.

80.00

Point for the cor. of secs. 14, 15, 22 and 23.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S R13W

S15|S14

S22|S23

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

West, bet. secs. 15 and 22.

Over rolling desert land; asc. 50 ft. over sandy E. slope.

7.00

Top of low sandy ridge, bears N. and S.; desc. 180 ft. over W. slope.

24.70

Base of W. slope, thence over level alkali flats.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 15 and 22.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S R13W

 $\frac{1}{4}$  S15

S22

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.

Cont. over alkali flats.

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., 24 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 28 S., R. 13 W.

<p>Chains</p>	<p>T2S R13W  <u>S16</u>   <u>S15</u>  <u>S21</u>   <u>S22</u>  1960</p> <p>Deposit glass with iron post.</p> <p>Land, rolling W. portion, level E. portion.  Soil, sand on W. portion, clay E. portion.  Timber, none.</p>
<p>40.00</p>	<p>West, bet. secs. 16 and 21.</p> <p>Over level desert land covered with alkali.</p> <p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 16 and 21.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., 24 ins. in the ground with brass cap mkd.</p> <p>T2S R13W  <math>\frac{1}{4}</math> <u>S16</u>  <u>S21</u>  1960</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.</p> <p>Cont. over level alkali flats.</p>
<p>80.00</p>	<p>Point for the cor. of secs. 16, 17, 20 and 21.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p>T2S R13W  <u>S17</u>   <u>S16</u>  <u>S20</u>   <u>S21</u>  1960</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.</p> <p>Land, level.  Soil, clay.  No vegetation.</p>
<p>40.00</p>	<p>West, bet. secs. 17 and 20.</p> <p>Over level desert land covered with alkali.</p> <p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 17 and 20.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p>T2S R13W  <math>\frac{1}{4}</math> <u>S17</u>  <u>S20</u>  1960</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.</p> <p>Cont. over alkali flats.</p>
<p>80.00</p>	<p>Point for the cor. of secs. 17, 18, 19 and 20.</p>

Survey of a Portion of the Subdivision of T. 2 S., R. 13 W.

Chains

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S R13W

S18 | S17

S19 | S20

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.

Land, level.

Soil, clay with alkali.

No vegetation.

West, bet. secs. 18 and 19.

Over level alkali flats.

40.00

Point for the 1/4 sec. cor. of secs. 18 and 19.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S R13W

1/4 S18

S19

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.

Cont. over alkali flats.

78.18

Intersect the E. bdy. of T. 2 S., R. 14 W. (Third Guide Meridian West.)

Point for the closing cor. of secs. 18 and 19, T. 2 S., R. 13 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S

R14W R13W

S13 | S18 C

S19 | S19 C

1960

Raise a mound of stone, 2 ft. base, 2 ft. high, East of iron post.

From this cor. the original cor. of secs. 13, 18, 19 and 24, T. 2 S., R. 13 and 14 W., bears S. 5.86 chs. dist., monumented by a 4x4 ins. wood post, set, mkd. and witnessed as described in the official record. This cor. was remarked to refer to R. 14 W. only.

Land, level.

Soil, clay.

No vegetation.

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

N. 10° 02' W., bet. secs. 15 and 16.

Over level alkali land, with scattered low sand dunes.

40.00

Point for the 1/4 sec. cor. of secs. 15 and 16.

Survey of a Portion of the Subdivision of T. 2 S., R. 13 W.

Chains	
	<p>Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with <math>\frac{1}{4}</math> T2S R13W on the N. face, S16 on the W. face and S15 on the E. face.</p> <p>Raise a mound of stone, 2 ft. base, 2 ft. high, W. of post.</p> <p>Cont. over level desert land.</p>
80.00	<p>Point for the cor. of secs. 9, 10, 15 and 16.</p> <p>Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T2S R13W S9 on NW. face, S16 on SW. face, S15 on SE. face and S10 on NE. face.</p> <p>Raise a mound of stone, 2 ft. base, 2 ft. high, W. of post.</p> <p>Land, level. Soil, clay, scattered sand dunes. No vegetation.</p>
	<p>N. 0° 02' W., bet. secs. 9 and 10.</p> <p>Over level alkali desert land.</p>
40.00	<p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 9 and 10.</p> <p>Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with <math>\frac{1}{4}</math> T2S R13W on N. face, S9 on W. face and S10 on E. face.</p> <p>Raise a mound of stone, 2 ft. base, 2 ft. high, W. of post.</p> <p>Cont. over level desert land.</p>
80.00	<p>Point for the cor. of secs. 3, 4, 9 and 10.</p> <p>Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T2S R13W S4 on NW. face, S9 on SW. face, S10 on SE. face and S3 on NE. face.</p> <p>Raise a mound of stone, 2 ft. base, 2 ft. high, W. of post.</p> <p>Land, level. Soil, clay alkali. No vegetation.</p>
	<p>N. 0° 06' E., bet. secs. 3 and 4.</p> <p>Over level alkali desert land.</p>
40.00	<p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 3 and 4.</p> <p>Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with <math>\frac{1}{4}</math> T2S R13W on N. face, S4 on W. face and S3 on E. face.</p> <p>Raise a mound of stone, 2 ft. base, 2 ft. high, W. of post.</p> <p>Cont. over level desert land.</p>
80.13	<p>The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp.</p> <p>Land, level. Soil, clay with alkali. No vegetation.</p>

Survey of a Portion of the Subdivision of T. 2 S., R. 13 W.

Chains

From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp.  
S. 0° 01' E., bet. secs. 2 and 3.

Over gently rolling sandy desert land covered with shadscale; asc. 50 ft. along gentle W. slope.

40.09 Point for the 1/4 sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.

T2S R13W  
1/4  
S3|S2  
1960

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of iron post.

Cont. along gently rolling W. slope.

80.09 Point for the cor. of secs. 2, 3, 10 and 11, at a position calculated to be bet. the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.

T2S R13W  
S3|S2  
S10|S11  
1960

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of iron post.

Land, gently rolling.

Soil, sandy clay.

Timber, none.

Undergrowth, shadscale.

N. 89° 58' E., bet. secs. 2 and 11, on a course calculated bet. the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.

Over hilly desert land covered with shadscale; asc. 325 ft. over W. slope.

19.30 Top of low ridge, bears N. and S.; desc. 35 ft. over gently rolling E. slope.

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., 24 ins. in the ground with brass cap mkd.

T2S R13W  
1/4  
S 2  
S11  
1960

Raise a mound of stone, 2 ft. base, 2 ft. high, N. of iron post.

Desc. 235 ft. over rolling E. slope.

80.00 Point for the cor. of secs. 1, 2, 11 and 12.

Survey of the Position of the Subdivision of T. 2 S., R. 13 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T2S R13W

S2|S1

S11|S12

1960

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of iron post.

Land, rolling to hilly.

Soil, sandy.

Timber, none.

Undergrowth, shadscale.

North, bet. secs. 1 and 2.

Over gently rolling desert land draining E.

40.00 Point for the ¼ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T2S R13W

S2|S1

1960

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of iron post.

Cont. over gently rolling desert.

80.08 The cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp.

Land, gently rolling.

Soil, sandy clay.

Timber, none.

Undergrowth, shadscale.

From the cor. of secs. 16, 17, 20 and 21.

N. 0° 03' W., bet. secs. 16 and 17.

Over level alkali desert land covered with small sand dunes.

40.00 Point for the ¼ sec. cor. of secs. 16 and 17.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with ¼ T2S R13W on the N. face, S17 on the W. face and S16 on the E. face.

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

Cont. over level alkali land.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set an 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed with T2S R13W S8 on NW. face, S17 on SW. face, S16 on SE. face and S9 on NE. face.

Survey of a Portion of the Subdivision of T. 2 S., R. 13 W.

Chains

From the cor. of secs. 9, 10, 15 and 16,  
West, bet. secs. 9 and 16.

Over level alkali desert land.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 9 and 16.

Set a 4x4 ins. wood post, 5 ft. long, 3 ft. in the ground, scribed  
with T2S R13W on N. face, S16 on S. face and S9 on N. face.

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

Cont. over level alkali flat.

80.00

The cor. of secs. 8, 9, 16 and 17.

Land, level.

Soil, clay with alkali.

No vegetation.

**GENERAL DESCRIPTION**

T. 2 S., R. 13 W. consists mainly of rolling to level land of the Great Salt Lake Desert. A low range of hills consisting mainly of sand with rock outcrops lies in about the middle of the township. The east portion of the township consists of gently rolling sandy east slope from the crest of the hills, covered with shadscale. The west portion of the township breaks rather sharply from the crest of the hills to level, clay, salt crusted land void of vegetation. The water level is near the surface on this portion of the township and is muddy in most places.

Most of the township can be traveled with 4-wheel drive vehicle during dry season.

The elevation varies from about 4290 to 4590 feet above sea level. No springs or fresh water were noted during the survey.



CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 22nd day of August, 1960

I have surveyed the north boundary, a portion of the east boundary and a portion of the subdivision of T. 2 S., R. 13 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
February 14, 1961

Craig P. Sylvester
Craig P. Sylvester
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., MAY 1 1962, 19

The foregoing field notes of the survey of the north boundary, a portion of the east boundary, and a portion of the subdivision of T. 2 S., R. 13 W., Salt Lake Meridian Utah

executed by Craig P. Sylvester, Cadastral Surveyor

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

J. L. Livingston
Chief, Division of Engineering

I CERTIFY that the foregoing description of the field notes of the above-described surveys in T. 2 S., R. 13 W., SLM, Utah, is a true copy of the original field notes.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL  
**FIELD NOTES**

OF THE

DEPENDENT RESURVEY

OF THE EAST BOUNDARY

AND THE SURVEY

OF THE NORTH AND WEST BOUNDARIES

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 4 SOUTH, RANGE 11 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor (Chief of Party)

Robert S. Kaiser, Cadastral Surveyor

Under special instructions dated June 2, 1960, which provided

the surveys included under Group No. 440, approved July 8, 1960

assignment instructions dated July 8, 1960

Survey commenced August 15, 1960

Survey completed August 29, 1960

# INDEX DIAGRAM

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## Township 4 South, Range 11 West

Chains

The east boundary was surveyed by A. J. Stookey in 1909 and is represented upon the plat of T. 4 S., R. 10 W. approved February 23, 1912. The south boundary was surveyed by A. Nelson in 1925 and is described in the field notes of the First Standard Parallel South through R. 11 W.

The following field notes are those of a dependent resurvey of the east boundary, and the survey of the north and west boundaries and a portion of the subdivisional lines of T. 4 S., R. 11 W.

The survey was executed with W. & L. E. Gurley solar transits Nos. 541325 and 461265, 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 this 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 one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U.S.G.S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude  $40^{\circ} 25' 09.30''$  N. and longitude  $113^{\circ} 01' 41.91''$  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  $16^{\circ} 45'$  E.

Dependent Resurvey of the East Boundary of T. 4 S., R. 11 W.

Reestablishment of the survey executed by A. J. Stookey in 1909.

## Resurvey, E. T. 4 S., R. 11 W.

Chains

Beginning at the standard Tp. cor. of T. 4 S., R. 10 and 11 W., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record of the survey of the First Standard Parallel South, through R. 11 W.

N. 0° 01' W., bet. secs. 31 and 36.

Over rolling mountainous land; desc. 30 ft. over N. slope.

- .80 Wash, 30 lks. wide, 3 ft. deep, drains W. about 1.00 chs., thence NW asc. 30 ft. along rolling W. slope.
- 8.80 Spur, slopes N. 70° W.; desc. 50 ft. over N. slope.
- 11.20 Wash, 30 lks. wide, 2 ft. deep, drains NW.; asc. 60 ft. over S. slope.
- 16.00 Spur, slopes W.; desc. 110 ft. over rolling NW. slope.
- 23.30 Wash, 30 lks. wide, 2 ft. deep, drains SW.; asc. 80 ft. over SE. slope.
- 27.50 Spur, slopes SW.; asc. 60 ft. along broken W. slope.
- 40.02 The  $\frac{1}{2}$  sec. cor. of secs. 31 and 36, an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

---

North, bet. secs. 31 and 36, beginning new measurement.

Over broken mountainous land, desc. 20 ft.

- 1.00 Draw, drains SW.; asc. 210 ft. over S. slope.
- 10.60 Spur, slopes S. from N. 15° W.; asc. 450 ft. over rolling land, S. drainage and exposure.
- 29.60 Spur, slopes SE.; desc. 40 ft. along NE. slope.
- 40.05 The cor. of secs. 25, 30, 31 and 36, an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

Land, mountainous.  
Soil, gravel and rock.  
Timber, scattered juniper.

North, bet. secs. 25 and 30.

Over broken mountainous land.

Desc. 10 ft. along E. slope.

- 3.90 Spur, slopes N. 30° E.; desc. 200 ft. over steep N. slope.
- 8.20 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.; asc. 60 ft. over SE. slope.
- 12.00 Spur, slopes E.; desc. 80 ft. over NE. slope.
- 18.20 Wash, 10 lks. wide, 3 ft. deep, drains SE. circling to E.; asc. 150 ft. over SW. slope.
- 25.90 Spur, bears E. and W.; desc. 100 ft. over rolling NE. slope.
- 33.00 Draw, drains E.; asc. 150 ft. over rolling SE. slope.

## Dependent Resurvey, E. Bdy., T. 4 S., R. 11 W.

## Chains

- 40.00 The  $\frac{1}{4}$  sec. cor. of secs. 25 and 30, an iron post, mkd. as described in the official record. The cor. position had deteriorated; reset, 10 ins. in the ground and in a mound of stone,  $3\frac{1}{2}$  ft. base to top.
- 
- N.  $0^{\circ} 08'$  W., bet. secs. 25 and 30, beginning new measurement.  
Over mountainous land; asc. 120 ft. over SE. slope.
- 9.20 Spur, slopes S.  $70^{\circ}$  E.; desc. 190 ft. along broken E. slope.
- 34.00 Slope changes to SE.; asc. 90 ft.
- 38.70 Spur, slopes irregularly E.; desc. 40 ft. over N. slope.
- 40.07 The cor. of secs. 19, 24, 25 and 30, an iron post, 3 ins. in diam., set, mkd. and witnessed as described in the official record.  
Land, mountainous.  
Soil, gravel and rock.  
Timber, scattered juniper.
- 
- N.  $0^{\circ} 06'$  W., bet. secs. 19 and 24.  
Over steep mountainous land; desc. 540 ft. over N. slope.
- 29.60 Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 80 ft. over S. slope.
- 36.70 Spur, slopes E.; desc. 50 ft. over N. slope.
- 40.05 The  $\frac{1}{4}$  sec. cor. of secs. 19 and 24, an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.
- 
- N.  $0^{\circ} 04'$  W., bet. secs. 19 and 24, beginning new measurement.  
Over mountainous land; desc. 120 ft. along rolling E. slope.
- 15.40 Spur, slopes N.  $30^{\circ}$  E.; desc. 70 ft. over N. slope.
- 19.50 Draw, drains N.  $30^{\circ}$  E.; asc. 50 ft. over SE. slope.
- 27.60 Spur, slopes N.  $30^{\circ}$  E.; desc. 100 ft. over N. slope.
- 36.20 Wash, 20 lks. wide, 5 ft. deep, drains irregularly N.
- 40.04 The cor. of secs. 13, 18, 19 and 24, an iron post, 3 ins. in diam., set, mkd. and witnessed as described in the official record.  
Land, mountainous.  
Soil, rock and gravel.  
Timber, widely scattered juniper.
- 
- N.  $0^{\circ} 06'$  W., bet. secs. 13 and 18.  
Over gently rolling bench land, along the W. side of wash draining N. desc. 100 ft.

- E. T. 4
- Chains
- 23.70 Wash, same one as given at 36.20 bet. secs. 19 and 24, 20 lks. wide, 4 ft. deep, drains N. 20° W., trail bears NW. and SE.; asc. 10 ft. over gently rolling land.
- 39.95 The  $\frac{1}{2}$  sec. cor. of secs. 13 and 18, an iron post, 1 in. diam., badly deteriorated; this cor. was removed and replaced.
- At the cor. point
- Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the with brass cap mkd.
- T4S  
R11W R10W  
 $\frac{1}{2}$   
S13|S18  
1960
- Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
- 
- N. 0° 05' W., bet. secs. 13 and 18, beginning new measurement.
- Over rolling desert land; asc. 10 ft.
- 2.20 Small spur, slopes NW.; desc. 100 ft. over rolling bench land.
- 22.40 Wash, from Rydalch Canyon, 30 lks. wide, 3 ft. deep, drains W.; asc. 20 ft.
- 40.02 The cor. of secs. 7, 12, 13 and 18, an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.
- Land, gently rolling.  
Soil, sand and clay.  
Timber, none.
- N. 0° 06' W., bet. secs. 7 and 12.
- Over rolling desert land; asc. 10 ft. over gentle S. slope.
- 3.00 Low spur, slopes W.; desc. 50 ft. over N. slope.
- 5.40 Wash, 20 lks. wide, 2 ft. deep, drains W.; asc. 60 ft. over S. slope.
- 11.50 Top of ascent; cont. along gentle W. slope.
- 20.49 Road, bears NW. and SE.
- 40.06 The  $\frac{1}{2}$  sec. cor. of secs. 7 and 12, an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.
- 
- N. 0° 03' W., bet. secs. 7 and 12, beginning new measurement.
- Over gentle W. slope.
- .60 Wash, 50 lks. wide, 6 ft. deep, drains W.
- 8.00 W. end of a series of small limestone outcrops bears E. 0.50 lks.

## Dependent Resurvey, E. Bdy., T. 4 S., R. 11 W.

Chains

- 13.90 Wash, 60 lks. wide, 6 ft. deep, drains W.
- 24.00 Begin descent over gentle NW. slope; desc. 70 ft.
- 39.54 Point selected for the witness cor. of secs. 1, 6, 7 and 12; there is no remaining evidence of the original cor.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T4S  
R11W R10W  
W C  
S 1 | S 6  
S 12 | S 7  
1960.

- 40.04 True point for the cor. of secs. 1, 6, 7 and 12, at proportionate dist., falls in wash, 30 lks. wide, 2 ft. deep, draining N. 80° W.

Land, rolling.  
Soil, sandy clay loam.  
Undergrowth, shadscale and grass.

N. 0° 03' W., bet. secs. 1 and 6, counting dist. from the true point for the cor. of secs. 1, 6, 7 and 12.

Over gently rolling bench land; asc. 10 ft.

- 14.20 Wash, 70 lks. wide, 3 ft. deep, drains W.; desc. 20 ft.
- 26.50 Wash, 40 lks. wide, 4 ft. deep, drains W.; desc. 50 ft.
- 40.04 The ¼ sec. cor. of secs. 1 and 6, an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

N. 0° 05' W., bet. secs. 1 and 6, beginning new measurement.

Over gentle W. slope; desc. 10 ft.

- 9.50 Wash, 30 lks. wide, 7 ft. deep, drains W.; desc. 10 ft.
- 24.00 Shallow wash, drains W.; desc. 30 ft.
- 36.80 Wash, 30 lks. wide, 3 ft. deep, drains W.
- 40.00 Unimproved road, bears N. 60° E. and S. 60° W.
- 44.06 The cor. of Tps. 3 and 4 S., Rs. 10 and 11 W., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.
- Land, gently rolling.  
Soil, sandy clay loam and gravel.  
Undergrowth, moderate shadscale, scattered grass.

Survey W. Bdy. T. 4 S. R. 11 W.

Chains

Survey of the West Boundary of T. 4 S., R. 11 W.

Beginning at the standard Tp. cor. of T. 4 S., Rs. 11 and 12 W., a fir post, 4 ins. square, set, mkd. and witnessed as described in the official record of the survey of the First Standard Parallel South, through R. 11 W.

North, bet. secs. 31 and 36.

Over gently rolling sandy desert land; asc. 10 ft. over gentle S. slope.

6.10 Sand dune, bears E. and W.; asc. 20 ft. over nearly level land.

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., 24 ins. in the ground, with brass cap mkd.

T4S  
R12W R11W  
1/4  
S36 | S31  
1960

No accessories available, pits impractical.

80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T4S  
R12W R11W  
S25 | S30  
S36 | S31  
1960

No accessories available, pits impractical.

Land, nearly level desert.  
Soil, sandy.  
Timber, none.

North, bet. secs. 25 and 30.

Over nearly level desert land.

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., 24 ins. in the ground, with brass cap mkd.

T4S  
R12W R11W  
1/4  
S25 | S30  
1960

No accessories available, pits impractical.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

## Survey, W. Edy., T. 4. S., R. 11 W.

Chains

T4S  
R12W R11W  
S24|S19  
S25|S30  
1960

No accessories available, pits impractical.

Land, nearly level desert.

Soil, sandy.

Timber, none.

North, bet. secs. 19 and 24.

Over nearly level desert land.

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., 24 ins. in the ground, with brass cap mkd.

T4S  
R12W R11W  
 $\frac{1}{4}$   
S24|S19  
1960

No accessories available, pits impractical.

Desc. 20 ft. over rolling sand dunes.

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., 24 ins. in the ground, with brass cap mkd.

T4S  
R12W R11W  
S13|S18  
S24|S19  
1960

No accessories available, pits impractical.

Land, nearly level desert, S.  $\frac{1}{2}$  mile; rolling sand dunes, N.  $\frac{1}{2}$  mile.

Soil, sandy.

Timber, none.

North, bet. secs. 13 and 18.

Over gently rolling sand dunes.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

Survey, W. Bdy., T. 4 S., R. 11 W.

Chains

T4S  
R12W R11W  
 $\frac{1}{2}$   
S13 | S18  
1960

Deposit glass in the hole alongside the iron post.

Desc. 30 ft. over rolling sand dunes.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T4S  
R12W R11W  
S12 | S 7  
S13 | S18  
1960

Deposit glass around the iron post.

Land, rolling sand dunes.

Soil, sandy.

Timber, none.

North, bet. secs. 7 and 12.

Over rolling sand dunes.

40.00 Point for the ½ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T4S  
R12W R11W  
 $\frac{1}{2}$   
S12 | S 7  
1960

Deposit glass around the iron post.

Asc. 10 ft. over rolling desert land.

80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T4S  
R12W R11W  
S 1 | S 6  
S12 | S.7  
1960

No accessories available, pits impractical.

Land, rolling sand dunes.

Soil, sandy.

Timber, none.

## Survey, W. Bdy., T. 4 S., R. 11 W.

Chains

North, bet. secs. 1 and 6.

Over rolling sand dunes; asc. 10 ft.

40.00 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., 24 ins. in the ground, with brass cap mkd.

T4S  
R12W R11W  
 $\frac{1}{4}$   
S 1 | S 6  
1960

No accessories available, pits impractical.

48.20 Enter scattered sagebrush and greasewood; desc. 10 ft. over gently rolling sand dunes.

84.73 Point for the cor. of Tps. 3 and 4 S., Rs. 11 and 12 W. at intersection with the Tp. line W. of the cor. of Tps. 3 and 4 S., Rs. 10 and 11 W.

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.

T3S  
R12W R11W  
S36 | S31  
S 1 | S 6  
T4S  
1960

Land, gently rolling sand dunes.  
Soil, sandy.  
Timber, none.

## Survey of the North Boundary of T. 4 S., R. 11 W.

Beginning at the cor. of Tps. 3 and 4 S., Rs. 10 and 11 W., an iron post, 3 ins. diam., hereinbefore described.

West, bet. secs. 1 and 36.

Over rolling desert land, through moderate shadscale.

Desc. 130 ft. over gentle W. slope.

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. diam., 24 ins. in the ground, with brass cap mkd.

T3S R11W  
 $\frac{1}{4}$  S36  
S 1  
T4S  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

42.70 Wash, 30 lks. wide, 3 ft. deep, drains NW.; desc. 170 ft. over W. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Survey, N. Bdy., T. 4 S., R. 11 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T3S R11W  
S35|S36  
S 2|S 1  
T4S  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, gently rolling desert.  
Soil, sandy clay and gravel.  
Timber, none.  
Undergrowth, moderate shadscale.

West, bet. secs. 2 and 35.

Over gently rolling desert land, through moderate shadscale.

Desc. 80 ft. over gentle W. slope.

40.00 Point for the ¼ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T3S R11W  
¼ S35  
S 2  
T4S  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

Desc. 10 ft.

70.00 Wash, 20 lks. wide, 4 ft. deep, drains N. 30° W.

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T3S R11W  
S34|S35  
S 3|S 2  
T4S  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, gently rolling desert.  
Soil, sandy clay and gravel.  
Timber, none.  
Undergrowth, moderate shadscale.

Survey, N. Bdy., T. 4 S., R. 11 W.

Chains

West, bet. secs. 3 and 34.

Over gently rolling desert land, through moderate shadscale.

19.50 Wash, 10 lks. wide, 3 ft. deep, drains N. 30° W.

40.00 Point for the 1/4 sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T3S R11W

1/4 S34

S 3

T4S

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

Desc. 10 ft. over gentle W. slope.

51.90 Wash, 20 lks. wide, 4 ft. deep, drains NW.

58.50 Wash, 20 lks. wide, 8 ft. deep, drains N. 20° W.; desc. 10 ft.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T3S R11W

S33 | S34

S 4 | S 3

T4S

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, gently rolling desert.

Soil, sandy clay loam and gravel.

Timber, none.

Undergrowth, moderate shadscale.

West, bet. secs. 4 and 33.

Over gently rolling desert land; desc. 10 ft.

21.10 Graded dirt road, bears N. 10° E. and S. 10° W.; desc. 20 ft.

40.00 Point for the 1/4 sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T3S R11W

1/4 S33

S 4

T4S

1960

T. 4 S., R. 1. W.

- Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.
- 33.50 Unimproved dirt road, bears NW. and SE.; desc. 20 ft. over gently rolling desert land.
- 80.00 Point for the cor. of secs. 4, 5, 32 and 33.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T3S R11W  
S32 | S33  
 S 5 | S 4  
 T4S  
 1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, gently rolling desert.  
 Soil, sandy clay loam.  
 Timber, none.  
 Undergrowth, moderate shadscale.

West, bet. secs. 5 and 32.

Over nearly level desert land, through moderate shadscale.

- 29.00 Dirt road, bears N. 30° E. and S. 20° W.
- 40.00 Point for the ¼ sec. cor. of secs. 5 and 32.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T3S R11W  
S32  
 ¼ S 5  
 T4S  
 1960

- Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.
- 77.90 Graded dirt road, bears N. and S.; asc. 10 ft.
- 80.00 Point for the cor. of secs. 5, 6, 31 and 32.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T3S R11W  
S31 | S32  
 S 6 | S 5  
 T4S  
 1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, gently rolling desert.  
 Soil, sandy.  
 Timber, none.  
 Undergrowth, moderate shadscale.

## Survey, N. Bdy., T. 4 S., R. 11 W.

Chains

West, bet. secs. 6 and 31.

Over rolling desert land; asc. 60 ft. over E. slope.

9.80 Top of ascent, bears N. 30° W. and S.; desc. 130 ft. over SW. slope.

28.00 Bottom of slope; desc. 20 ft. over gently rolling land.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 6 and 31.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T3S R11W

 $\frac{1}{4}$  S31

S 6

T4S

1960

No accessories available, pits impractical.

Desc. 10 ft. over gently rolling desert land.

78.67 The cor. of Tps. 3 and 4 S., Rs. 11 and 12 W., hereinbefore described.

Land, gently rolling desert.

Soil, sandy.

Timber, none.

Undergrowth, moderate to scattered shadscale.

## Survey of a Portion of the Subdivision of T. 4 S., R. 11 W.

Beginning at the standard cor. of secs. 35 and 36 on the S. bdy. of the Tp., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the survey of the First Standard Parallel South, through R. 11 W.

N. 0° 05' W., bet. secs. 35 and 36.

Over rolling mountainous land, through scattered juniper.

Asc. 20 ft. over gentle SW. slope.

6.50 Dirt road, bears W. and SE.; asc. 20 ft.

8.50 Dirt road, bears S. 15° W. and N. 10° W.; asc. 20 ft.

12.20 Wash, 20 lks. wide, 3 ft. deep, drains S. 70° W.

15.00 Wash, 30 lks. wide, 6 ft. deep, drains SW.; asc. 160 ft. over rolling land, SW. drainage.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 35 and 36.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

## Survey, Portion of Subdivision, T. 4. S., R. 11 W.

Chains	
	T4S R11W $\frac{1}{4}$ S35 S36 1960
	Asc. 200 ft. over S. slope.
50.20	Top of rocky spur, slopes W. from NE.; desc. 140 ft. over N. slope.
55.00	Slope changes to rolling W.; desc. 10 ft.
67.90	Wash, 30 lks. wide, 8 ft. deep, drains S. 60° W.; asc. 170 ft. over S. slope.
74.90	Base of ledge 10 ft. high; asc. 10 ft. over ledge, facing S.
76.20	Spur, bears N. 80° W. and S. 80° E.; desc. 140 ft. over NE. slope.
80.00	Point for the cor. of secs. 25, 26, 35 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T4S R11W S26 S25 S35 S36 1960
	Land, rolling, mountainous. Soil, gravel, clay loam and rock. Timber, scattered juniper.
	From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp., an iron post, 3 ins. diam., hereinbefore described. S. 89° 54' W., bet. secs. 25 and 36.
	Over rolling mountainous land, through scattered to moderate juniper. Asc. 120 ft. over E. slope.
11.40	Spur, slopes N.; desc. 100 ft. over W. slope.
15.00	Draw, drains N.; asc. 60 ft. over NE. slope.
17.00	Finger spur, slopes NW.; desc. 260 ft. over SW. slope.
24.00	Draw, drains NW.; asc. 60 ft. along rolling N. slope.
34.10	Spur, slopes N. 60° W.; desc. 160 ft. over SW. slope.
40.06	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T4S R11W $\frac{1}{4}$ S25 S36 1960
	Desc. 380 ft. over rolling land, W. drainage.

## Survey, Portion of Subdivision, T. 4 S., R. 11 W.

Chains

57.00 Draw, drains W. from N. 70° E.; desc. 60 ft. along draw.

63.10 Draw, bears N. 70° W.; desc. 120 ft. over rolling land.

72.40 Wash, 30 lks. wide, 4 ft. deep, drains N. 50° W.; asc. 20 ft. along rolling NE. slope.

80.11 The cor. of secs. 25, 26, 35 and 36.

Land, rolling and mountainous.

Soil, gravel and rock.

Timber, scattered to moderate juniper..

Beginning at the standard cor. of secs. 33 and 34 on the S. bdy. of the Tp., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the survey of the First Standard Parallel South through R. 11 W.

N. 0° 06' W., bet. secs. 33 and 34.

Over nearly level desert land..

7.20 Road, bears E. and W.

7.50 Wash, 10 lks. wide, 2 ft. deep, drains 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.

T4S R11W

 $\frac{1}{4}$ 

S33|S34

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

76.60 Wash, 10 lks. wide, 2 ft. deep, drains S. 80° W.

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. diam., 24 ins. in the ground, with brass cap mkd.

T4S R11W

S28|S27

S33|S34

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, nearly level desert.

Soil, sandy clay loam.

Timber, none.

Undergrowth, moderate shadscale..

Survey, Portion of Subdivision, T. 4 S., R. 11 W.

Chains

N. 0° 06' W., bet. secs. 27 and 28.

Over nearly level desert land.

4.70 Wash, 10 lks. wide, 2 ft. deep, drains W.

20.20 Wash, 20 lks. wide, 3 ft. deep, drains W.

40.00 Point for the 1/4 sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T4S R11W

1/4  
S28 | S27  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Cont. along gentle W. 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., 24 ins. in the ground, with brass cap mkd.

T4S R11W

S21 | S22  
S28 | S27  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, nearly level desert.

Soil, clay loam.

Timber, none.

Undergrowth, moderate shadscale.

N. 0° 06' W., bet. secs. 21 and 22.

Over gentle SW. slope.

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., 24 ins. in the ground, with brass cap mkd.

T4S R11W

1/4  
S21 | S22  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

46.10 Wash, 10 lks. wide, 3 ft. deep, drains W.

63.50 Wash, 20 lks. wide, 3 ft. deep, drains W.

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

Survey, Portion of Subdivision, T. 4 S., R. 11 W.

Chains	
80.00	<p>Point for the cor. of secs. 15, 16, 21 and 22.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T4S R11W S16 S15 S21 S22 1960</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Land, gently rolling desert land. Soil, clay loam. Timber, none. Undergrowth, moderate shadscale.</p>
	<p>N. 0° 06' W., bet. secs. 15 and 16.</p> <p>Over gently rolling desert land.</p>
7.20	<p>Wash, 20 lks. wide, 3 ft. deep, drains W.</p>
40.00	<p>Point for the ¼ sec. cor. of secs. 15 and 16.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T4S R11W ¼ S16 S15 1960</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Asc. 10 ft. along rolling W. slope.</p>
63.00	<p>Wash, 40 lks. wide, 8 ft. deep, drains S, 70° W.; asc. 40 ft.</p>
80.00	<p>Point for the cor. of secs. 9, 10, 15 and 16.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T4S R11W S 9 S10 S16 S15 1960</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.</p> <p>Land, gently rolling. Soil, clay. Timber, none. Undergrowth, moderate shadscale.</p>
	<p>N. 0° 06' W., bet. secs. 9 and 10.</p> <p>Over gently rolling desert land.</p>
38.30	<p>Road, bears E. and W.</p>

## Survey, Portion of Subdivision, T. 4 S., R. 11 W.

- Chains  
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., 24 ins. in the ground, with brass cap mkd.  
T4S R11W  
 $\frac{1}{4}$   
S 9 | S10  
1960  
Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
- 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., 24 ins. in the ground, with brass cap mkd.  
T4S R11W  
S 4 | S 3  
S 9 | S10  
1960  
Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.  
Land, nearly level desert.  
Soil, clay.  
Timber, none.  
Undergrowth, moderate shadscale, scattered sage.  
N.  $0^{\circ} 09'$  W., bet. secs. 3 and 4.  
Over gently rolling desert land; desc. 20 ft. over NW. slope.
- 38.00 Small wash, drains NW.
- 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., 24 ins. in the ground, with brass cap mkd.  
T4S R11W  
 $\frac{1}{4}$   
S 4 | S 3  
1960  
Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
- 72.50 Road, bears N.  $60^{\circ}$  W. and S.  $60^{\circ}$  E.
- 84.51 The cor. of secs. 3, 4, 33 and 34, hereinbefore described.  
Land, gently rolling desert.  
Soil, clay loam.  
Timber, none.  
Undergrowth, moderate shadscale and sage.  
From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp. an iron post,  $2\frac{1}{2}$  ins. diam., hereinbefore described.  
S.  $0^{\circ} 05'$  E., bet. secs. 2 and 3.  
Over gently rolling desert land, through moderate shadscale.

## Survey, Portion of Subdivision, T. 4 S., R. 11 W.

Chains	
	Asc. 10 ft.
31.20	West end of sheep corral, about 2.00 chs. square, enclosed by a net wire fence, 3 ft. high, bears E. 32 lks. dist.
37.20	Road, bears N. 70° W. and S. 70° E.; asc. 10 ft.
40.50	Wash, 20 lks. wide, 2 ft. deep, drains NW.
44.37	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.
	T4S R11W S 3   S 2 1960
	Asc. 10 ft.
48.60	Wash, 30 lks. wide, 3 ft. deep, drains W.
63.60	Wash, 30 lks. wide, 4 ft. deep, drains N. 75° W.; asc. 10 ft.
84.37	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 and in a collar of stone, with brass cap mkd.
	T4S R11W S 3   S 2 S10   S11 1960
	Land, gently rolling desert. Soil, clay loam. Timber, none. Undergrowth, moderate shadscale.
	N. 89° 54' E., bet. secs. 2 and 11.
	Over gently rolling desert land, W. drainage; asc. 80 ft.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.
	T4S R11W S 2 $\frac{1}{4}$ S11 1960
	Asc. 20 ft. over gently rolling land facing NW.
57.90	Wash, 70 lks. wide, 8 ft. deep, drains NW.; asc. 20 ft.
62.60	Road, bears S. 20° E. and N. 20° W.; asc. 20 ft.
68.00	Same road, bears NW. and SE.; asc. 20 ft. over gentle NW. slope.
80.00	Point for the cor. of secs. 1, 2, 11 and 12.

Survey, Portion of Subdivision, T. 4 S., R. 11 W.

Chains

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.

T4S R11W  
S 2 | S 1  
S11 | S12  
1960

Land, gently rolling desert.  
Soil, clay and gravel.  
Timber, none.  
Undergrowth, moderate shadscale.

N. 0° 02' W., bet. secs. 1 and 2.

Over rolling desert land, through moderate shadscale; desc. 20 ft. over NW. slope.

8.50 Wash, 80 lks. wide, 2 ft. deep, drains NW.; desc. 20 ft.

12.60 Wash, 1.00 ch. wide, 3 ft. deep, drains W., circling to NW.; asc. 20 ft. along rolling W. slope.

40.00 Point for the ¼ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., .22 ins. in the ground and in a collar of stone, with brass cap mkd.

T4S R11W  
¼  
S 2 | S 1  
1960

Desc. 100 ft. over gently rolling NW. slope.

67.30 Wash, 20 lks. wide, 4 ft. deep, drains N. 70° W.; desc. 30 ft.

84.22 The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp., an iron post, 2½ ins. diam., hereinbefore described.

Land, rolling desert.  
Soil, clay and gravel.  
Timber, none.  
Undergrowth, moderate shadscale.

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

West, bet. secs. 16 and 21.

Over gently rolling desert land.

Desc. 50 ft. over gentle W. slope.

29.70 Wash, 20 lks. wide, 5 ft. deep, drains S. 30° W.; desc. 10 ft.

40.00 Point for the ¼ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the with brass cap mkd.

Survey, Portion of Subdivision, T. 4 S., R. 11 W.

Chains

T4S R11W

1/4 S16

S21

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

Desc. 20 ft. over gentle W. slope.

72.70 Road, bears N. 15° W. and S. 15° E.; desc. 10 ft.

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., 24 ins. in the ground, with brass cap mkd.

T4S R11W

S17|S16

S20|S21

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Land, gently rolling desert.

Soil, clay loam.

Timber, none.

Undergrowth, moderate shadscale.

N. 0° 07' W., bet. secs. 16 and 17.

Over gently rolling desert land; asc. 10 ft.

10.00 Road, bears N. 10° W. and S. 10° E.; asc. 10 ft. over gentle SW. slope.

40.00 Point for the 1/4 sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T4S R11W

1/4

S17|S16

1960

No accessories available.

Asc. 20 ft. over gentle S. slope.

60.20 Small reservoir; asc. 20 ft.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T4S R11W

S 8|S 9

S17|S16

1960

## Survey Portion of Subdivision, T. 4 S. R. 11 W.

Chains

No accessories available.

Land, gently rolling desert.  
Soil, clay loam.  
Timber, none.  
Undergrowth, moderate shade-scale.

From the cor. of secs. 9, 10, 15 and 16.

S. 89° 59' W., bet. secs. 9 and 16.

Over gentle, rolling desert land; desc. 30 ft.

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., 24 ins. in the ground with brass cap mkd.

T4S R11W

$$\begin{array}{r} \frac{1}{4} \\ 816 \\ 1960 \end{array}$$

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

Desc. 30 ft. over gentle SW. slope.

73.80 E. bank of reservoir; desc. 20 ft. over W. slope.

80.06 The cor. of secs. 8, 9, 16 and 17.

Land, gently rolling desert.  
Soil, clay loam.  
Timber, none.  
Undergrowth, moderate shade-scale.

Beginning at the standard cor. of secs. 32 and 33 on the S. bdy. of the Tp., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the survey of the First Standard Parallel South, through R. 11 W.

N. 0° 07' W., bet. secs. 32 and 33.

Over gently rolling sand dunes.

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., 24 ins. in the ground with brass cap mkd.

T4S R11W

$$\begin{array}{r} \frac{1}{4} \\ 833 \mid 833 \\ 1960 \end{array}$$

Deposit glass in the hole alongside the iron post.

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., 24 ins. in the ground with brass cap mkd.

## Survey, Portion of Subdivision, T. 4 S., R. 11 W.

Chains

T4S R11W  
 S29|S28  
 S32|S33  
 1960

Deposit glass in the hole alongside the iron post.

Land, gently rolling desert.

Soil, sand.

Undergrowth, scant vegetation.

Beginning at the standard cor. of secs. 31 and 32 on the S. bdy. of the Tp., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the survey of the First Standard Parallel South, through R. 11 W.

N. 0° 07' W., bet. secs. 31 and 32.

Over rolling desert land.

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., 24 ins. in the ground, with brass cap mkd.

T4S R11W  
 $\frac{1}{4}$   
 S31|S32  
 1960

Deposit glass in the hole alongside the iron post.

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 mkd.

T4S R11W  
 S30|S29  
 S31|S32  
 1960

Deposit glass in the hole alongside the iron post.

Land, gently rolling sand dunes.

Soil, sand.

Undergrowth, scant vegetation.

From the cor. of secs. 28, 29, 32 and 33.

West, bet. secs. 29 and 32.

Over rolling sand dunes.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey Portion of Subdivision, T. 4 S., R. 11 W.

Chains

T4S R11W  
x S29  
S32  
1960

Deposit glass in the hole alongside the iron post.

80.00

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

Land, rolling sand dunes.  
Soil, sand.  
Undergrowth, scant vegetation.

General Description

The eastern portion of T. 4 S., R. 11 W. falls on the west slope of the Cedar Mountains, and the central and western portions are on desert land. The soil is sandy in the southwest, with clay in the central, north and northwest and rocky clay and gravel along the mountains. There is scattered to moderate juniper in sections 24, 25 and 36. Moderate shadscale and scattered sage is found over most of the township with the exception of the southwest portion where vegetation is scant. The elevation ranges from about 4,270 feet to 6,322 feet above sea level. The highest point is in the northeast quarter of section 25 and the lowest in the southwest part of the township.

Cedar Spring, located near the standard corner of sections 35 and 36, is the only live water source noted in the area. However, there is a reservoir in the northwest quarter of section 16.

Several access roads throughout the township make the area readily accessible for the winter grazing of livestock, which at present is the predominating interest.



CERTIFICATE OF CADASTRAL ENGINEER

We, Craig P. Sylvester and Robert S. Kaiser, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 2nd day of June, 1960, we have ~~surveyed~~ independently resurveyed the east boundary and surveyed the north and west boundaries and a portion of the subdivision of T. 4 S., R. 11 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by ~~me~~ us and under ~~my~~ our 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 9, 1961

*Robert S. Kaiser*  
Robert S. Kaiser, Cadastral Surveyor  
*Craig P. Sylvester*  
Craig P. Sylvester, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., APR 3 1962, 19

The foregoing field notes of the ~~survey of~~ dependent resurvey of the east boundary and the survey of the north and west boundaries and a portion of the subdivision of T. 4 S., R. 11 W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester, Cadastral Surveyor (Chief of Party), and Robert S. Kaiser, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

*E. L. Lemington*  
~~Cadastral Engineering Staff Officer~~  
Chief, Division of 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.~~

~~Cadastral Engineering Staff Officer~~

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL  
**FIELD NOTES**

OF THE

DEPENDENT RESURVEY

OF THE WEST BOUNDARY

OF TOWNSHIP 5 SOUTH, RANGE 9 WEST

WITH ESTABLISHMENT OF CORNERS FOR THE EAST BOUNDARY

AND THE SURVEY

OF A PORTION OF THE SUBDIVISION

OF TOWNSHIP 5 SOUTH, RANGE 10 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

under special instructions dated June 2, 1960, which provided

the surveys included under Group No. 440, approved July 8, 1960

and assignment instructions dated July 8, 1960

Survey commenced August 29, 1960

Survey completed September 19, 1960

# INDEX DIAGRAM

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## Township 5 South, Range 10 West

## Chains

The north boundary of T. 5 S., R. 10 W. was surveyed by A. J. Stookey in 1909 and is represented upon the plat of T. 4 S., R. 10 W., approved February 23, 1912. The east boundary was surveyed by J. Gorlinski in 1871 and the record thereof appears on the plat of T. 5 S., R. 9 W., approved October 10, 1871. The Cedar Mountain portion of the east boundary of the Dugway proving grounds through T. 5 S., R. 10 W. was surveyed by E. Bird in 1951, and is represented upon the plat of Tps. 5 and 6 S., Rs. 8, 9 and 10 W., Salt Lake Meridian, accepted January 30, 1953. A portion of the south boundary was surveyed concurrently under Group 440 and described in the field notes of the north boundary of T. 6 S., R. 10 W.

The following field notes are those of a dependent resurvey of the west boundary of T. 5 S., R. 9 W., reestablishing the original corners on the south one and one-half miles to function for T. 5 S., Rs. 9 and 10 W. From the quarter section corner of sections 25 and 30 the original stone corners are out of limits and now function for T. 5 S., R. 9 W. only, and new corners for T. 5 S., R. 10 W. are established at regular intervals of latitude north. The following field notes also include the survey of a portion of the subdivisional lines of T. 5 S., R. 10 W.

The survey was executed with a W. & L. E. Gurley solar transit No. 541325, 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 this survey.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method.

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.

Before restoring the corners on the line resurveyed, the original survey was retraced and a diligent search made for any evidence of the original corners, bearing trees, and other calls of the original field note record. When duly identified the corner positions were remonumented and new accessories taken.

The rules of proportionate measurement were applied in order to ascertain the position of lost corners, after completing the necessary retracements to connect with the identified corner locations, but not until exhausting every reasonable possibility of finding direct evidence for the control of each particular corner. The true lines thus adjusted to the identified original evidence, were then duly run and marked through the timber. The true line notes only are supplied herewith, which refer to the completed resurvey.

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.

## Township 5 South, Range 10 West

Chains

The geographic position for the southeast corner of the township is at latitude  $40^{\circ} 19' 53.75''$  N. and longitude  $112^{\circ} 54' 55.01''$  W. as adjusted from traverse to the southwest corner of T. 4 S., R. 10 W.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be  $16^{\circ} 45'$  E.

Dependent Resurvey of the West Boundary of T. 5 S., R. 9 W.

Reestablishment of the survey executed by J. Gorlinski in 1871.

Beginning at the standard cor. of T. 5 S., Rs. 9 and 10 W., an iron post,  $2\frac{1}{2}$  ins. diam., set, mkd. and witnessed as described in the official record.

N.  $0^{\circ} 12'$  E., bet. secs. 31 and 36.

Over mountainous land, through moderate shadscale.

Asc. 220 ft. over SW. slope.

14.70 Spur, slopes S.  $20^{\circ}$  E. from N.  $80^{\circ}$  W.; desc. 110 ft. over N. slope.

21.30 Wash, 40 lks. wide, 5 ft. deep, drains irregularly SE.; asc. 160 ft. over SE. slope.

32.30 Spur, slopes SE.; desc. 70 ft. along E. slope.

37.60 Spur, slopes NE.; desc. 40 ft. over N. slope.

40.00 The  $\frac{1}{4}$  sec. cor. of secs. 31 and 36, monumented by a limestone,  $16 \times 16 \times 12$  ins., firmly set and plainly mkd.  $\frac{1}{4}$  on W. face.

At the cor. point

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S  
R10W R9W

$\frac{1}{4}$   
S36|S31  
1960

Deposit the original stone cor. alongside the iron post.

N.  $0^{\circ} 21'$  E., bet. secs. 31 and 36, beginning new measurement.

Over mountainous land; desc. 250 ft. over N. slope.

13.60 Wash, 10 lks. wide, 2 ft. deep, drains NE.; asc. 10 ft. over SE. slope

22.30 Low spur, slopes N.  $60^{\circ}$  E., about 4.00 chs. to end; desc. 70 ft. over N. slope.

32.70 Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 50 ft. over S. slope.

## Dependent Resurvey, W. Bdy., T. 5 S., R. 9 W.

Chains

40.06 Point for the cor. of secs. 25, 30, 31 and 36, at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S  
R10W R9W  
S25|S30  
S36|S31  
1960

Land, mountainous.  
Soil, rocky clay loam.  
Timber, none.  
Undergrowth, moderate shadscale.

N. 0° 21' E., bet. secs. 25 and 30.

Over mountainous desert land, through moderate shadscale.

Asc. 20 ft. over S. slope.

2.10 Spur, slopes N. 80° E.; desc. 110 ft. over N. slope.

9.80 Wash, 30 lks. wide, 4 ft. deep, drains N. 70° E.; asc. 90 ft. over S. slope.

28.20 Spur, slopes E.; desc. 110 ft. over N. slope.

36.80 Unimproved road at base of N. slope, bears NW. and SE.; thence over bottom of small basin.

40.06 The ¼ sec. cor. of secs. 25 and 30, monumented by a limestone, 10x8x8 ins., firmly set and dimly mkd.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground and in a collar of stone, with brass cap mkd.

T5S  
R10W R9W  
¼  
S25|S30  
1960

Deposit the original cor. alongside the iron post.

N. 0° 16' E., along the W. bdy. of sec. 30, beginning new measurement.

Over rolling desert land; desc. 30 ft.

40.00 Point for the cor. of secs. 24 and 25, T. 5 S., R. 10 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Resurvey: W. T. 5 S. R. 9 W.

Chains

T5S  
R10W R9W  
S24 | S30  
S25 |  
1960

40.255 Point for the cor. of secs. 19 and 30, T. 5 S., R. 9 W., at proportionate dist; there is no remaining evidence of the original cor. set to function as the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T5S  
R10W R9W  
S24 | S19  
S30 |  
1960

Land, rolling desert on N. ½ mile; mountainous on remainder. Soil, rocky clay loam on S. ½ mile, clay loam on remainder. Timber, none. Undergrowth, moderate shadscale.

N. 0° 16' E., along the W. bdy. of sec. 19.

Over mountainous desert land.

Asc. 200 ft. over S. slope.

17.10 Spur, slopes NW. from E.; desc. 280 ft. over N. slope.

37.30 Wash, 20 lks. wide, 2 ft. deep, drains N. 20° E.; desc. 20 ft.

39.745 Point for the ¼ sec. cor. of sec. 24, T. 5 S., R. 10 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T5S  
R10W R9W  
¼ |  
S24 |  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

40.255 The original ¼ sec. cor. of secs. 19 and 24, mkd. by a limestone, 12x8x4 ins., firmly set and plainly mkd. ¼ on W. face. This cor. now functions as the ¼ sec. cor. of sec. 19, T. 5 S., R. 9 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T5S  
R10W R9W  
¼ |  
S19 |  
1960

Deposit the original cor. alongside the iron post.

## Dependent Resurvey, W. Bdy., T. 5 S., R. 9 W.

Chains

N. 0° 05' E., along the W. bdy. of sec. 19, beginning new measurement.  
Over mountainous desert land; desc. 60 ft. over N. slope.

12.90 Wash, 30 lks. wide, 3 ft. deep, drains E.; asc. 110 ft. over rolling SE. slope.

39.49 Point for the cor. of secs. 13 and 24, T. 5 S., R. 10 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.

T5S  
R10W R9W  
S13 | S19  
S24 |  
1960

40.37 The original cor. of secs. 13, 18, 19 and 24, monumented by a limestone, 10x6x6 ins., firmly set and plainly mkd. with 3 notches on the N. and S. edges. This cor. now functions as the cor. of secs. 18 and 19, T. 5 S., R. 9 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T5S  
R10W R9W  
S13 | S18  
S19 |  
1960

Deposit the original stone cor. alongside the iron post.

Land, rolling, mountainous.  
Soil, rocky clay loam.  
Timber, none.  
Undergrowth, moderate shadscale.

N. 0° 11' E., along the W. bdy. of sec. 18.

Over mountainous desert land.

7.00 Small draw, drains S. 70° E.; asc. 70 ft. over rolling SE. slope.

16.20 Spur, slopes E.; desc. 100 ft. over rolling land, E. drainage.

39.12 Point for the ¼ sec. cor. of sec. 13, T. 5 S., R. 10 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T5S  
R10W R9W  
¼ |  
S13 |  
1960

Desc. 10 ft. over N. slope.

W. Bdy. T. 5 S., R. 9 W.

Chains

40.36 The original  $\frac{1}{4}$  sec. cor. of secs. 13 and 18, mkd. by a limestone 14x10x4 ins., firmly set and plainly mkd.  $\frac{1}{4}$  on W. face. This cor. now functions as the  $\frac{1}{4}$  sec. cor. of sec. 18, T. 5 S., R. 9 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T5S  
R10W R9W  
|  
 $\frac{1}{4}$   
| S18  
1960

Deposit the original stone cor. alongside the iron post.

The cor. is located near bottom of draw draining E.

N. 0° 26' E., along the W. bdy. of sec. 18, beginning new measurement.

Over mountainous desert land; asc. 100 ft. over S. slope.

11.90 Spur, slopes E.; desc. 120 ft. over N. slope.

19.20 Wash, 30 lks. wide, 2 ft. deep, drains irregularly NE.; asc. 30 ft. over SE. slope.

26.40 Spur, slopes E.; cont. over rolling E. slope.

32.00 Begin descent over N. slope; desc. 30 ft.

36.30 Wash, 30 lks. wide, 2 ft. deep, drains E.; asc. 30 ft. over S. slope.

38.76 Point for the cor. of secs. 12 and 13, T. 5 S., R. 10 W.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 15 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S  
R10W R9W  
S12 | S18  
S13 |  
1960

Asc. 10 ft.

40.25 The original cor. of secs. 7, 12, 13 and 18, mkd. by a limestone, 12x8x4 ins., firmly set and plainly mkd. with 4 notches on the S. and 2 notches on the N. edges. This cor. now functions as the cor. of secs. 7 and 18, T. 5 S., R. 9 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S  
R10W R9W  
S12 | S7  
S18 |  
1960

## Dependent Resurvey, W. Bdy., T. 5 S., R. 9 W.

Chains

Deposit the original stone cor. alongside the iron post.

Land, mountainous.  
Soil, rocky clay loam.  
Timber, none.  
Undergrowth, moderate shadscale.

N. 0° 20' E., along the W. bdy. of sec. 7.

Over rolling mountainous desert land, through moderate shadscale.

Asc. 90 ft. over S. slope.

5.70 Spur, slopes E.; desc. 220 ft. over N. slope.

28.80 Wash, 50 lks. wide, 3 ft. deep, drains E.; asc. 40 ft. over S. slope.

35.60 Spur, slopes E.; desc. 20 ft. over NE. slope.

38.51 Point for the  $\frac{1}{4}$  sec. cor. of sec. 12, T. 5 S., R. 10 W.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 8 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S  
R10W R9W  
 $\frac{1}{4}$   
S12  
1960

39.87 The original  $\frac{1}{4}$  sec. cor. of secs. 7 and 12, mkd. by a limestone, 24x24x10 ins., firmly set and plainly mkd.  $\frac{1}{4}$  on W. face. This cor. now functions as the  $\frac{1}{4}$  sec. cor. of sec. 7, T. 5 S., R. 9 W. only.

At the cor. point

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 8 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S  
R10W R9W  
 $\frac{1}{4}$   
S 7  
1960

Deposit the original stone cor. alongside the iron post.

N. 0° 16' E., along the W. bdy. of sec. 7, beginning new measurement.

Over gently rolling desert land; desc. 50 ft. over NE. slope.

24.20 Wash, 50 lks. wide, 3 ft. deep, drains E.

25.40 Small wire corral with metal posts.

25.60 Road, bears NE. and SW.

34.00 Road, bears SE. and NW.

T. 5 S., R. 9 W.

Chains

38.64 Point for the cor. of secs. 1 and 12, T. 5 S., R. 10 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T5S  
R10W R9W  
S 1 | S 7  
S12 |  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

41.20 The original cor. of secs. 1, 6, 7 and 12, mkd. by a limestone, 15x8x4 ins., firmly set and plainly mkd. with 5 notches on the S. edge and 1 notch on the N. edge. This cor. now functions as the cor. of secs. 6 and 7, T. 5 S., R. 9 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S  
R10W R9W  
S 1 | S 6  
S 7 |  
1960

Deposit the original stone cor. alongside the iron post.

Land, rolling.

Soil, rocky clay loam.

Timber, none.

Undergrowth, moderate shadscale.

N. 0° 26' E., along the W. bdy. of sec. 6.

Over gently rolling land, through moderate shadscale.

37.44 Point for the ¼ sec. cor. of sec. 1, T. 5 S., R. 10 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T5S  
R10W R9W  
¼ |  
S 1 |  
1960

39.47 The original ¼ sec. cor. of secs. 1 and 6, mkd. by a limestone, 14x6x4 ins., firmly set and plainly mkd. ¼ on W. face. This cor. now functions as the ¼ sec. cor. of sec. 6, T. 5 S., R. 9 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T5S  
R10W R9W  
¼ |  
S 6 |  
1960

## Dependent Resurvey, W. Bdy., T. 5 S., R. 9 W.

Chains	
	Deposit the original stone cor. alongside the iron post.
	N. 0° 19' E., along the W. bdy. of sec. 6, beginning new measurement.
	Over nearly level desert land.
18.90	Wash, 50 lks. wide, 3 ft. deep, drains E.
41.67	The cor. of Tps. 4 and 5 S., Rs. 9 and 10 W., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.
	Land, gently rolling desert.
	Soil, clay loam.
	Timber, none.
	Undergrowth, moderate shadscale.
	Survey of a Portion of the Subdivision of T. 5 S., R. 10 W.
	From the cor. of secs. 35 and 36 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., described in the field notes of T. 6 S., R. 10 W.
	North, on a sectional guide meridian, bet. secs. 35 and 36.
	Over mountainous land.
	Desc. 150 ft. over N. slope.
6.10	Wash, 20 lks. wide, 2 ft. deep, drains NE.; asc. 80 ft. over SE. slope.
13.50	Spur, slopes N. 70° E.; desc. 80 ft. over N. slope.
15.80	Wash in bottom of draw, 10 lks. wide, 2 ft. deep, drains E.; asc. 110 ft. over S. slope.
20.10	Spur, slopes E.; desc. 160 ft. over N. slope.
27.30	Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 210 ft. over S. slope.
33.00	Spur, slopes E.; asc. 40 ft. along SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T5S R10W ¼ S35 S36 1960
42.30	Spur, slopes E.; desc. 230 ft. over N. slope.
52.70	Wash, 20 lks. wide, 3 ft. deep, drains irregularly E.; asc. 190 ft. over S. slope.
64.00	Spur, slopes E.; desc. 20 ft. over rolling E. slope.
69.70	Ridge, bears N. 70° E. and S. 70° W.; desc. 280 ft. over N. slope.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

## Portion of Subdivis T. 5 S. R. 10 W.

Chains

T5S-R10W  
 S26|S25  
 S35|S36  
 1960

Land, mountainous.  
 Soil, rocky clay loam.  
 Timber, scattered juniper.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp.,  
 an iron post, 2½ ins. diam., hereinbefore described.

S. 89° 58' W., bet. secs. 25 and 36.

Over mountainous land, through scattered juniper.

Asc. 60 ft. over SE. slope.

- 15.20 Ridge top, bears N. 70° E. and S. 70° W.; desc. 50 ft. over W. slope.  
 24.40 Small wash, drains N.; cont. over rolling N. slope.  
 31.30 Wash, 30 lks. wide, 2 ft. deep, drains N. circling to E.; asc. 60 ft.  
 over NE. slope.  
 40.21 Point for the ¼ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground  
 and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S R10W  
 S25  
 ¼ S36  
 1960

Asc. 180 ft. over rolling NE. slope.

- 52.40 Spur, slopes N.; desc. 60 ft. over W. slope.  
 54.80 Draw, drains N.; asc. 200 ft. over rolling NE. slope.  
 63.40 Spur, slopes N.; desc. 50 ft. along rolling NW. slope.  
 74.20 Small spur, slopes N.; desc. 170 ft. over W. slope.  
 80.42 The cor. of secs. 25, 26, 35 and 36.

Land, mountainous.  
 Soil, clay loam, rocks.  
 Timber, scattered juniper.

From the cor. of secs. 25, 26, 35 and 36.

North, bet. secs. 25 and 26 on sectional guide meridian.

Over mountainous land.

Desc. 50 ft. along slightly rolling W. slope.

Survey, Portion of Subdivision, T. 5 S., R. 10 W.

- Chains
- 4.90 Draw, drains NE.; asc. 100 ft. over SE, slope.
- 11.10 Spur, slopes E.; desc. 260 ft. over rolling N. slope.
- 25.00 Draw, drains NE.; asc. 40 ft. along rolling E. slope.
- 33.00 Small spur, slopes E.; desc. 80 ft. over N. slope.
- 36.50 Small wash, drains E.; asc. 60 ft. over SE. slope.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 26.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins, diam,, 4 ins, in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T5S R10W  
 $\frac{1}{4}$   
 S26|S25  
 1960

Asc. 10 ft.

- 43.00 Spur, slopes NE.; desc. 140 ft. over rolling N. slope.
- 50.30 Wash, 30 lks. wide, 2 ft. deep, drains N. 70° E.; asc. 40 ft. over SE. slope.
- 55.00 Small spur, slopes E.; desc. 20 ft. over N. slope.
- 58.50 Small wash, drains N. 70° E.; asc. 30 ft. over S. slope.
- 61.00 Finger spur, slopes E.; desc. 10 ft. over N. slope.
- 62.50 Small gully, drains E.; asc. 10 ft. over S. slope.
- 64.50 Road, bears E. and W.; desc. 20 ft. over N. slope.
- 68.20 Wash, 20 lks. wide, 2 ft. deep, drains N. 20° E.; cont. over gently rolling desert land.
- 80.00 Point for the cor. of secs. 23, 24, 25 and 26.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S R10W  
 S23|S24  
 S26|S25  
 1960

Land, mountainous,  
 Soil, rocky clay loam.  
 Undergrowth, moderate shadscale.

North, bet. secs. 23 and 24, on sectional guide meridian.

Over rolling land, through moderate shadscale.

Desc. 80 ft. over rolling N. slope.

- 16.40 Wash, 20 lks. wide, 4 ft. deep, drains NE.; thence over low point sloping E.
- 23.30 Wash, 20 lks. wide, 3 ft. deep, drains E.; asc. 110 ft. over S. slope.
- 33.00 Spur, slopes W.; desc. 110 ft. over N. slope.

Division of Subdivision. T. 5 S. R. 10 W.

Chains

- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 23 and 24.  
 Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 18 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.  
 T5S R10W  
 $\frac{1}{4}$   
 S23|S24  
 1960  
 Desc. 40 ft. over N. slope.
- 62.30 Wash, 30 lks. wide, 7 ft. deep, near junction with wash draining from the W., drains NE.; asc. 240 ft. over S. slope.
- 74.00 Spur, bears irregularly E. and W.; desc. 120 ft. over N. slope.
- 80.00 Point for the cor. of secs. 13, 14, 23 and 24.  
 Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.  
 T5S R10W  
 S14|S13  
 S23|S24  
 1960  
 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.  
 Land, mountainous.  
 Soil, rocky clay loam.  
 Timber, none.  
 Undergrowth, moderate shadscale and brush.
- 
- North, bet. secs. 13 and 14, on sectional guide meridian.  
 Over mountainous land.  
 Desc. 10 ft. over N. slope.
- .50 Wash, 10 lks. wide, 1 ft. deep, drains E.; asc. 120 ft. over rolling S. slope.
- 10.00 Spur, slopes E.; desc. 100 ft. over N. slope.
- 15.10 Bottom of small valley, bears NW. and SE.; asc. 210 ft. over rolling SW. slope.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 13 and 14.  
 Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 10 ins. in the ground and in a mound of stone,  $3\frac{1}{2}$  ft. base to top, with brass cap mkd.  
 T5S R10W  
 $\frac{1}{4}$   
 S14|S13  
 1960  
 Asc. 50 ft. over S. slope.
- 43.80 Spur, slopes W.; desc. 200 ft. over rolling NW. slope.
- 51.90 Wash, 20 lks. wide, 2 ft. deep, drains W.; asc. 210 ft. over S. slope.

## Survey, Portion of Subdivision, T. 5 S., R. 10 W.

Chains	
61.10	Ridge, bears irregularly E. and N. 20° W.; desc. 190 ft. over rolling NE. slope.
80.00	Point for the cor. of secs. 11, 12, 13 and 14.  Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.  <div style="text-align: center;">           T5S R10W            S11 S12            S14 S13            1960         </div>
	Land, mountainous. Soil, rocky clay loam. Timber, none. Undergrowth, moderate shadscale.
	North, bet. secs. 11 and 12, on sectional guide meridian.  Over mountainous land.  Desc. 20 ft. over rolling land, E. drainage and exposure.
20.60	Spur, slopes N. 60° E.; desc. 150 ft. over N. slope along spur, sloping N.
40.00	Point for the ¼ sec. cor. of secs. 11 and 12.  Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.  <div style="text-align: center;">           T5S R10W            ¼            S11 S12            1960         </div>
	Desc. 180 ft. over N. slope.
54.60	Wash, 1.00 ch. wide, 4 ft. deep, drains E.
55.20	Road, bears E. and W.; asc. 360 ft. over rolling S. slope.
73.10	Ridge, bears E. and W.; desc. 120 ft. over N. slope.
80.00	Point for the cor. of secs. 1, 2, 11 and 12.  Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.  <div style="text-align: center;">           T5S R10W            S 2 S 1            S11 S12            1960         </div>
	Land, rolling mountains, Soil, rocky clay loam. Timber, none. Undergrowth, moderate shadscale.

## Portion of Subdivision, T. 5 S., R. 10 W.

Chains

- North, bet. secs. 1 and 2, on sectional guide meridian.
- Over rolling mountainous land, through moderate shadscale.
- Desc. 100 ft. over N. slope.
- 5.30 Wash, 20 lks. wide, 4 ft. deep, drains N. 60° E.; asc. 50 ft. over rolling SE. slope.
- 13.00 Spur, slopes NE.; desc. 120 ft. over NW. slope.
- 24.50 Small draw, drains NE.; asc. 20 ft. over SE. slope.
- 28.00 Small spur, slopes NE.; desc. 50 ft. over N. slope.
- 32.20 Small wash, drains N. 80° E.; asc. 60 ft. over S. slope.
- 36.60 Spur, slopes N. 60° E.; desc. 40 ft. over N. slope.
- 40.00 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., 15 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.
- T5S R10W  
 $\frac{1}{2}$   
 S 2 | S 1°  
 1960
- Desc. 50 ft. over N. slope.
- 45.80 Wash, 30 lks. wide, 2 ft. deep, drains N. 60° E.; asc. 10 ft.
- 50.00 Road, bears NE. and irregularly W.; desc. 10 ft.
- 64.70 Wash, 50 lks. wide, 4 ft. deep, drains S. 70° E.; asc. 10 ft.
- 73.90 Road, bears E. and W.; cont. over gently rolling desert land.
- 74.10 Road, bears NW. and SE.
- 84.14 Intersect the S. bdy. of sec. 35, T. 4 S., R. 10 W.
- Point for the closing cor. of secs. 1 and 2.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.
- T4S  
 .S35  
 S 2 | S 1°  
 C C  
 T5S R10W  
 1960
- From this cor., the cor. originally set to function as the cor. of secs. 1, 2, 35 and 36 bears E. 2.91 chs. dist., an iron post, 3 ins. diam., firmly set and plainly mkd.; this cor. was remarked to function for secs. 35 and 36, T. 4 S., R. 10 W. only.
- Land, rolling desert.
- Soil, clay loam and rock.
- Timber, none.
- Undergrowth, moderate shadscale.

## Survey, Portion of Subdivision, T. 5 S., R. 10 W.

Chains	
	<p>From the cor. of secs. 1, 2, 11 and 12.</p> <p>West, bet. secs. 2 and 11.</p> <p>Over mountainous land.</p> <p>Asc. 120 ft. over NE. slope.</p>
12.50	Spur, slopes N.; asc. 20 ft. along rolling N. slope.
24.70	Slope changes to NW.; desc. 60 ft.
37.00	Small spur, slopes N.; desc. 10 ft. over W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.
	<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, <math>3\frac{1}{2}</math> ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T5S R10W  <math>\frac{1}{4}</math> <math>\frac{S 2}{S 11}</math>  1960</p>
	<p>Desc. 160 ft. over W. slope.</p>
54.00	Base of mountains; cont. over rolling desert land.
61.60	Road, bears N. and S.; asc. 40 ft.
80.00	Point for the cor. of secs. 2, 3, 10 and 11.
	<p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T5S R10W  S 3   S 2  S 10   S 11  1960</p>
	<p>Land, mountainous and desert.</p> <p>Soil, clay loam and rocks.</p> <p>Timber, none.</p> <p>Undergrowth, moderate shadscale.</p>
	<p>N. <math>0^{\circ} 01'</math> W., bet. secs. 2 and 3.</p> <p>Over gently rolling desert land, through moderate shadscale.</p> <p>Asc. 30 ft.</p>
17.90	Wash, 20 lks. wide, 6 ft. deep, drains N. $70^{\circ}$ E.
27.40	Wash, 20 lks. wide, 3 ft. deep, drains E.; desc. 10 ft.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
	<p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.</p>

Portion of Subdivision, T. 5 S., R. 10 W.

Chains

T5S R10W

$\frac{1}{2}$   
S 3 | S 2  
1960

- 53.50 Wash, 1.10 ch. wide, 3 ft. deep, drains E.; asc. 20 ft. over gentle SE. slope.
- 61.40 Road, bears E. and S. 70° W.; asc. 40 ft.
- 71.60 Road, bears NW. and SE.; asc. 50 ft.
- 84.14 Intersect the S. bdy. of sec. 34, T. 4 S., R. 10 W.
- Point for the closing cor. of secs. 2 and 3.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T4S  
S34  
-----  
S 3 | S 2  
C C  
T5S R10W  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of the cor.

From this cor., the cor. originally set to function as the cor. of secs. 2, 3, 34 and 35 bears E., 2.86 chs. dist., an iron post, 3 ins. diam., firmly set and plainly mkd.; this cor. was remarked to function for secs. 34 and 35, T. 4 S., R. 10 W. only.

Land, gently rolling desert.  
Soil, clay loam.  
Timber, none.  
Undergrowth, moderate shadscale.

The point for the N.  $\frac{1}{2}$  sec. cor. of sec. 2 is at midpoint and on the N. bdy. of the Tp.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

$\frac{1}{2}$  S 2  
T5S R10W  
1960

From this cor. the  $\frac{1}{2}$  sec. cor. originally set to function as the  $\frac{1}{2}$  sec. cor. of secs. 2 and 35, bears E. 2.885 chs. dist., an iron post, 1 in. diam., firmly set and plainly mkd.; this cor. was remarked to function as the  $\frac{1}{2}$  sec. cor. of sec. 35, T. 4 S., R. 10 W. only.

From the cor. of secs. 23, 24, 25 and 26,

West, bet. secs. 23 and 26.

Over rolling mountainous desert land.

Asc. 60 ft. over E. slope.

## Survey, Portion of Subdivision, T. 5 S., R. 10 W.

Chains	
7.90	Spur, slopes N.; desc. 70 ft. over W. slope.
13.60	Wash, 20 lks. wide, 2 ft. deep, drains N. 15° E.; asc. 40 ft. over rolling desert land.
20.60	Jeep road, bears N. 20° W. and S. 20° E.; desc. 10 ft.
29.20	Wash, 50 lks. wide, 10 ft. deep, drains N. 10° E.; asc. 150 ft. over SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 23 and 26.  Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.  T5S R10W $\frac{1}{4}$ $\frac{S23}{S26}$ 1960  Asc. 40 ft. over E. slope.
45.50	Spur, slopes NE.; desc. 90 ft. over rolling NW. slope.
65.10	Wash, 30 lks. wide, 5 ft. deep, drains N. 20° E.; asc. 80 ft. over E. slope.
70.20	Spur, slopes N. 20° E.; desc. 80 ft. over W. slope.
77.00	Draw, drains N. 20° E.; asc. 30 ft. over E. slope.
80.00	Point for the cor. of secs. 22, 23, 26 and 27.  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.  T5S R10W S22   S23 S27   S26 1960  Land, mountainous desert land. Soil, clay loam and rock. Timber, none. Undergrowth, moderate shadscale.
	West, bet. secs. 22 and 27.  Over mountainous desert land.  Asc. 150 ft. over SE. slope.
13.70	Spur, slopes E. circling to NE.; desc. 20 ft. over W. slope.
17.30	Wash, 10 lks. wide, 1 ft. deep, drains NE.; asc. 10 ft. along gentle N. slope.
22.50	Wash, 20 lks. wide, 1 ft. deep, drains N.; asc. 200 ft. over rolling NE. slope.

## Survey, Portion of Subdivision, T. 5 S., R. 10 W.

Chains	
38.20	Spur, slopes N.; desc. 20 ft. over NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 22 and 27. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over broken rocky surface and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T5S R10W $\frac{1}{4}$ $\frac{S22}{S27}$ 1960
	Desc. 80 ft. over W. slope.
43.90	Wash, 20 lks. wide, 2 ft. deep, drains N. $15^\circ$ E.; asc. 180 ft. over E. slope.
53.70	Ridge, bears N. and S.; desc. 120 ft. over W. slope.
59.80	Wash, 10 lks. wide, 1 ft. deep, drains N. $15^\circ$ W.; asc. 90 ft. over E. slope.
67.40	Spur, slopes N.; desc. 80 ft. over W. slope.
74.70	Draw, drains N.; asc. 130 ft. over E. slope.
79.00	Spur, slopes N.; desc. 10 ft. over W. slope.
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., 16 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T5S R10W $\frac{S21}{S28}$   $\frac{S22}{S27}$ 1960
	Land, mountainous. Soil, clay loam and rock. Timber, moderate to scattered juniper.
	N. $0^\circ 01'$ W., bet. secs. 21 and 22. Over mountainous land, through moderate juniper. Desc. 190 ft. over rolling N. slope.
23.50	Wash, near junction, 50 lks. wide, 10 ft. deep, drains N. $20^\circ$ E., from S. $20^\circ$ W. and SE.; asc. 10 ft. over gentle S. slope.
28.10	Wash, 50 lks. wide, 10 ft. deep, drains NE.; asc. 50 ft. over S. 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., 24 ins. in the ground, with brass cap mkd.
	T5S R10W $\frac{1}{4}$ $\frac{S21}{S22}$ 1960

## Survey, Portion of Subdivision, T. 5 S., R. 10 W.

Chains	
	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.            The cor. is located on spur sloping N. 70° E.            Desc. 60 ft. over N. slope through scattered juniper.</p>
43.60	Wash, 40 lks. wide, 8 ft. deep, drains E.; asc. 270 ft. over S. slope.
58.50	Spur, slopes E.; desc. 230 ft. over N. slope.
68.10	Wash, 30 lks. wide, 7 ft. deep, drains E.; asc. 200 ft. over S. slope.
76.30	Spur, slopes SE.; desc. 20 ft. over NE. slope.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground            and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p>
	<p style="text-align: center;">T5S R10W            S16   S15            S21   S22            1960</p>
	<p>Land, mountainous.            Soil, clay and rocky.            Timber, moderate to scattered juniper.</p>
	<p>N. 0° 01' W., bet. secs. 15 and 16.</p>
	<p>Over mountainous land, through widely scattered juniper.            Desc. 40 ft. over NE. slope.</p>
3.50	Draw, drains SE.; asc. 160 ft. over S. slope.
11.00	Spur, slopes NE.; desc. 300 ft. over rolling land, NW. drainage and exposure.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground            and in a mound of stone, 3½ ft. base to top, with brass cap mkd.</p>
	<p style="text-align: center;">T5S R10W            ¼            S16   S15            1960</p>
	<p>Desc. 100 ft. over NW. slope.</p>
56.50	Wash, 50 lks. wide, 3 ft. deep, drains N. 70° E.; asc. 110 ft. over S. slope.
63.60	Spur, slopes N. 70° E. from W.; desc. 130 ft. over rolling land, NE. drainage and exposure.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground            and in a collar of stone, with brass cap mkd.</p>

## Portion of Subdivision, T. 5-S., R. 10-W.

Chains

T5S R10W  
 S 9 | S10  
 S16 | S15  
 1960

Land, mountainous.  
 Soil, clay loam and rock.  
 Timber, widely scattered juniper.

N. 0° 01' W., bet. secs. 9 and 10.

Over rolling mountainous land.

Desc. 20 ft. over N. slope.

- 9.80 Road, bears E. and W.; asc. 110 ft. over S. slope.
- 18.70 Top of rolling hill, bears irregularly E. and W.; desc. 130 ft. over rolling N. slope.
- 31.50 Draw, drains N. 70° E.; asc. 40 ft. over S. slope.
- 36.00 Low spur, slopes N. 70° E.; desc. 20 ft. over N. slope.
- 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., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T5S R10W  
 $\frac{1}{4}$   
 S 9 | S10  
 1960

Desc. 30 ft.

- 44.90 Wash, 1.00 ch. wide, 4 ft. deep, drains N. 70° E.; cont. over gentle S. slope.
- 47.50 Road, bears E. and W.; asc. 60 ft. over rolling SE. slope.
- 69.00 Wash, 10 lks. wide, 2 ft. deep, drains S. 30° E.; asc. 30 ft. over rolling E. slope.
- 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., 8 ins. in the ground and in a mound of stone, 3 $\frac{1}{2}$  ft. base to top, with brass cap mkd.

T5S R10W  
 S 4 | S 3  
 S 9 | S10  
 1960

Land, rolling.  
 Soil, clay loam and rock.  
 Timber, none.  
 Undergrowth, moderate shadscale and brush.

N. 0° 01' W., bet. secs. 3 and 4.

Over rolling desert land.

- 9.00 Wash, 60 lks. wide, 4 ft. deep, drains E.

## Survey, Portion of Subdivision, T. 5 S., R. 10 W.

Chains	
10.00	Road, bears irregularly NE, and SW.
14.00	Small draw, drains E.; asc. 60 ft. over S. slope.
24.70	Low hill, bears E. and W.; desc. 30 ft. over rolling N. slope.
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., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T5S R10W
	S 4   S 3
	1960
40.50	Wash, 30 lks. wide, 2 ft. deep, drains E.; asc. 40 ft. over rolling desert land.
58.00	Spur, slopes E.; desc. 50 ft. over N. slope.
62.00	Wash, 30 lks. wide, 8 ft. deep, drains irregularly N. 70° E.; asc. 50 ft. over rolling desert land.
84.11	Intersect the S. bdy. of sec. 33, T. 4 S., R. 10 W.
	Point for the closing cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.
	T4S
	S33
	S 4   S 3
	C C
	T5S R10W
	1960
	From this cor., the cor. originally set to function as the cor. of secs. 3, 4, 33 and 34, bears E. 2.96 chs. dist., an iron post, 3 ins. diam., firmly set and plainly mkd.; this cor. was remarked to function for secs. 33 and 34, T. 4 S., R. 10 W. only.
	Land, rolling desert.
	Soil, clay loam and rock.
	Timber, none on S. $\frac{1}{2}$ mile, scattered juniper on N. $\frac{1}{2}$ mile.
	From the cor. of secs. 15, 16, 21 and 22.
	West, bet. secs. 16 and 21.
	Over mountainous land, through scattered juniper.
	Asc. 50 ft. over NE. slope.
6.30	Spur, slopes SE.; asc. 100 ft. over rolling land, SE. drainage and exposure.
17.80	Ridge, bears N. and S.; desc. 280 ft. over NW. slope.
34.50	Wash, 50 lks. wide, 6 ft. deep, drains NE.; asc. 90 ft. over SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

## Portion of Subdivision, T. 5 S., R. 10 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S R10W

½	S16
	S21

1960

Asc. 250 ft. over SE. slope.

51.20 Spur, slopes NE. from S. 80° W.; asc. 190 ft. along N. slope.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T5S R10W

S17	S16
S20	S21

1960

Land, mountainous.

Soil, rocky clay loam.

Timber; scattered to moderate-juniper.

N. 0° 02' W.; bet. secs. 16 and 17.

Over mountainous land, through moderate juniper.

Desc. 230 ft. over rolling N. slope.

23.50 Wash, 30 lks. wide, 8 ft. deep, drains S. 80° E.; asc. 90 ft. over SW. slope.

33.80 Spur, bears E. and W.; desc. 50 ft. over N. slope.

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 and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S R10W

½	S16
	S17

1960

Asc. 60 ft. along rolling E. slope.

52.60 Ridge, bears E. and SW.; desc. 100 ft. over rolling NW. slope.

68.00 Small draw, drains NW.; asc. 40 ft. over SW. slope.

73.20 Spur, slopes W.; desc. 50 ft. over NW. slope.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S R10W

S 8	S 9
S17	S16

1960

## Survey, Portion of Subdivision, T. 5 S., R. 10 W.

Chains

Land, mountainous.  
Soil, rocky clay loam.  
Timber, moderate to scattered juniper.

From the cor. of secs. 9, 10, 15 and 16.

West, bet. secs. 9 and 16.

Over mountainous land, through scattered juniper.

Asc. 90 ft. over NE. slope.

11.90 Spur, slopes N. 15° E.; desc. 10 ft. over rolling W. slope.

19.20 Small draw, drains N. 20° E.; asc. 100 ft. over E. slope.

26.10 Spur, slopes N. 20° E. from S. 20° E.; desc. 60 ft. over W. slope.

29.50 Small draw, drains N. 15° W.; thence over gently rolling N. slope.

31.00 Small draw, drains N.; asc. 60 ft. along rolling N. slope.

38.30 Wash, 20 lks. wide, 4 ft. deep, drains N. 70° E.; asc. 20 ft. along S. 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., 15 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S R10W

$\frac{1}{4}$   $\frac{S\ 9}{S16}$

1960

Asc. 50 ft. along rolling S. slope.

44.50 Small draw, drains S.; asc. 150 ft. over E. slope.

55.00 Ridge, bears N. and S.; desc. 100 ft. over W. slope.

62.00 Gully, drains N.; thence over N. slope.

65.60 Small draw, drains N. 15° E.; asc. 210 ft. over E. slope.

76.10 Ridge, bears N. and S.; desc. 50 ft. over rolling land, NW. drainage.

79.98 The cor. of secs. 8, 9, 16 and 17.

Land, mountainous.  
Soil, clay and rock.  
Timber, scattered juniper.

## General Description

The east boundary of the Dugway Proving Grounds extends southeasterly through T. 5 S., R. 10 W. The north corner (Angle Point 0) is established 5.46 chains east of the corner of sections 5, 6, 31 and 32 on the south boundary of T. 4 S., R. 10 W. The south corner (Angle Point No. 8) is located 5.43 chains west of the  $\frac{1}{4}$  section corner of section 35 on the south boundary of the township. The boundary of the Dugway Proving Grounds follows along the general east slope, near the summit of the Cedar Mountains. The land within the township, outside the Dugway Proving Grounds, lies along the eastern slope of the Cedar Mountains extending into rolling desert land in the northeast portion.

Chains

There is a moderate growth of juniper and low brush along the summit and high slopes, with shadscale and brush at lower elevations.

Cochran Spring, located in the south central part of section 15, has been developed and water tanks installed. No other recent developments or mining indications were noted near the lines surveyed. There are several roads and trails at lower elevations where the winter grazing of livestock is the predominating interest.

4-690  
(Feb., 1950)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## FIELD ASSISTANTS

NAMES	CAPACITY
Jeddie J. Judd	Notes (rear chain)
John D. Carter	Front Chainman
James R. Munson	Transit
Arthur G. Barnhart III	Flagman

CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 2nd day of June, 1960, I have ~~surveyed~~ independently resurveyed the west boundary of T. 5 S., R. 9 W., with establishment of corners for the east boundary, and surveyed a portion of the subdivision of T. 5 S., R. 10 W., Salt Lake Mer.

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  
March 3, 1961

Craig P. Sylvester  
Craig P. Sylvester, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., APR 3 1962, 1962

The foregoing field notes of the ~~survey of~~ independent resurvey of the west boundary of T. 5 S., R. 9 W., with establishment of corners for the east boundary and survey of a portion of the subdivision of T. 5 S., R. 10 W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester, Cadastral Surveyor

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

Ed Livingston  
Chief, Division of 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.~~

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 SUBDIVISION

OF

TOWNSHIP 6 SOUTH, RANGE 9 WEST

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated June 2, 1960, which provided

for the surveys included under Group No. 440, approved July 8, 1960

and assignment instructions dated July 8, 1960

Survey commenced September 14, 1960

Survey completed September 22, 1960

# INDEX DIAGRAM

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## Township 6 South, Range 9 West

Chains

The north boundary (First Standard Parallel South) and the east boundary were resurveyed by E. Bird in 1951, who the same year surveyed the east boundary of the Dugway Proving Grounds through T. 6 S., R. 9 W. A portion of the west boundary was surveyed concurrently in 1960, under Group 440, and is described in the field notes of T. 6 S., R. 10 W.

The following field notes are those of the survey of a portion of the subdivisional lines of T. 6 S., R. 9 W., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered state school sections.

The survey was executed with a W. & L. E. Gurley solar transit No. 541325, 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 this 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 one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method.

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 closing corner of secs. 31 and 36 on the west boundary of T. 6 S., R. 8 W. is at latitude  $40^{\circ} 15' 24.19''$  N. and longitude  $112^{\circ} 48' 04.06''$  W. as adjusted by traverse from the southwest corner of T. 4 S., R. 11 W.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be  $16^{\circ} 45' E.$

## Survey of a Portion of the Subdivision of T. 6 S., R. 9 W.

Beginning at the cor. of secs. 25 and 36 on the east bdy. of the Tp., an iron post,  $2\frac{1}{2}$  ins. diam., set, mkd. and witnessed as described in the official record.

West, bet. secs. 25 and 36.

Surve Portion of Su division T. 6 S. R. 9 W.

Chains

Over mountainous desert land, through scattered juniper.

7.90 Unimproved dirt road, bears irregularly NE. and SW.; asc. 50 ft. over SE. slope.

20.28 Intersect the E. bdy. of the Dugway Proving Grounds.

Point for the closing cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T6S R9W  
DPG |  $\frac{S25}{S36}$  C  
1960

From this cor. Angle Point No. 26 on the E. bdy. of the Dugway Proving Grounds, bears S. 26° 06' E., 13.00 chs. dist., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.

Land, mountainous desert land.  
Soil, clay loam and rock.  
Timber, scattered juniper.

From the cor. of secs. 1 and 12 on the E. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.

West, bet. secs. 1 and 12.

Over nearly level desert land.

40.10 Point for the ¼ sec. cor. of secs. 1 and 12 in accordance with the special instructions.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T6S R9W  
¼ |  $\frac{S 1}{S12}$   
1960

80.20 Point for the cor. of secs. 1, 2, 11 and 12, in accordance with the special instructions.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.

T6S R9W  
S 2 | S 1  
S11 | S12  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

The cor. is located in unimproved dirt road, bears N. and S.

## Survey, Portion of Subdivision, T. 6 S., R. 9 W.

Chains

Land, nearly level desert.  
Soil, sandy clay loam.  
Timber, none.  
Undergrowth, moderate shadscale and brush.

From the cor. of secs. 1, 2, 11 and 12.

N. 0° 04' W., bet. secs. 1 and 2.

Over nearly level desert land.

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., 24 ins. in the ground, with brass cap mkd.

T6S R9W

$\frac{1}{4}$   
S 2 | S 1  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

The cor. is located on the side of road bearing N. and S.

65.80

Road, bears E. and W.

82.16

Intersect the S. bdy. of T. 5 S., R. 9 W.

Point for the closing cor. of secs. 1 and 2, T. 6 S., R. 9 W.

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.

T5S  
S36  
S 2 | S 1  
C C  
T6S R9W  
1960

From this cor. the standard cor. of secs. 35 and 36, T. 5 S., R. 9 W. bears S. 89° 59' W., 37 lks. dist., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

Land, nearly level desert.  
Soil, sandy and gravel.  
Timber, none.  
Undergrowth, moderate shadscale and brush.

The point for the N.  $\frac{1}{4}$  sec. cor. of sec. 1 is at midpoint and on the N. bdy. of the Tp.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey Portion of Subdivision T. 6 S., R. 9 W.

Chains

1/4 S 1  
T6S R9W  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of the cor.

From this cor. the standard 1/4 sec. cor. of sec. 36, T. 5 S., R. 9 W. bears S. 89° 44' W., 15 lks. dist., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

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From the cor. of secs. 1, 2, 11 and 12.

West, bet. secs. 2 and 11.

Over nearly level desert land.

14.60 Wash, 25 lks. wide, 1 ft. deep, drains N. 30° E.; cont. over gentle NE. slope.

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

38.60 Road, bears N. 10° E. and S. 10° W.

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., 24 ins. in the ground, with brass cap mkd.

T6S R9W  
1/4 S 2  
S11  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

63.20 Wash, 1.00 ch. wide, 6 ft. deep, drains N. 10° E.

70.50 Road, bears N. and S.

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., 24 ins. in the ground, with brass cap mkd.

T6S R9W  
S 3 | S 2  
S10 | S11  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

Land, nearly level desert.

Soil, sandy clay and gravel.

Timber, none.

Undergrowth, moderate shadscale and brush.

## Survey, Portion of Subdivision, T. 6 S., R. 9 W.

Chains

From the cor. of secs. 2, 3, 10 and 11.

N.  $0^{\circ} 04'$  W., bet. secs. 2 and 3.

Over nearly level desert land.

20.60 Road, bears NW. and SE.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 3.Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T6S R9W

$$\begin{array}{c} \frac{1}{4} \\ S\ 3\ S\ 2 \\ 1960 \end{array}$$

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Desc. 20 ft. over gentle NE. slope.

72.30 Road, bears E. and W.

82.01 Intersect the S. bdy. of T. 5 S., R. 9 W.

Point for the closing cor. of secs. 2 and 3, T. 6 S., R. 9 W.

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.

T5S

S35

$$\begin{array}{c} S\ 3\ S\ 2 \\ \hline C\ C \end{array}$$

T6S R9W

1960

From this cor. the standard cor. of secs. 34 and 35, T. 5 S., R. 9 W. bears S.  $89^{\circ} 55'$  W., 83 lks. dist., an iron post, 3 ins. in diam., set, mkd., and witnessed as described in the official record.

Land, nearly level desert.

Soil, sand and gravel.

Undergrowth, moderate shadscale and sage.

Point for the N.  $\frac{1}{4}$  sec. cor. of sec. 2 is at mispoint and on the N. bdy. of the Tp.

At the cor. point

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.
$$\begin{array}{c} \frac{1}{4}\ S\ 2 \\ T6S\ R9W \\ 1960 \end{array}$$
From this cor. the standard  $\frac{1}{4}$  sec. cor. of sec. 35, T. 5 S., R. 9 W., bears S.  $89^{\circ} 55'$  W.,  $63\frac{1}{2}$  lks. dist., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

Survey Partion of Subdivision T. 6-S. R. 9 W.

Chains	
	From the cor. of secs. 2, 3, 10 and 11.
	West, bet. secs. 3 and 10.
	Over gently rolling desert land.
	Asc. 60 ft. over gentle E. slope.
16.00	Enter mountainous land, scattered juniper; asc. 200 ft. over E. slope
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., 8 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T6S R9W $\frac{1}{4}$ S 3 S10 1960
41.00	Small ledgy spur, slopes N.; desc. 40 ft. over NW. slope.
46.70	Wash, 20 lks. wide, 3 ft. deep, drains NE.; asc. 370 ft. over rolling mountainous land, general E. drainage and exposure.
67.60	Ridge, bears N. and S.; desc. 330 ft. over steep W. slope.
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., 16 ins. in the ground and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
	T6S R9W S 4   S 3 S 9   S10 1960
	Land, mountainous.
	Soil, sandy clay loam and rock.
	Timber, scattered juniper.
	From the cor. of secs. 3, 4, 9 and 10.
	N. $0^{\circ} 05'$ W., bet. secs. 3 and 4.
	Over rolling mountainous land, through moderate juniper.
	Desc. 20 ft. along rolling W. slope.
11.70	Wash, 10 lks. wide, 3 ft. deep, drains W.; asc. 30 ft. over S. slope.
13.90	Spur, slopes W.; desc. 60 ft. along rolling W. slope.
24.20	Spur, slopes W.; desc. 30 ft. over NW. slope.
28.10	Wash, 10 lks. wide, 2 ft. deep, drains W.; asc. 30 ft. over SW. slope
34.50	Spur, slopes NW.; desc. 60 ft. over N. slope.
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., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

## Survey, Portion of Subdivision, T. 6 S., R. 9 W.

Chains

T6S R9W

$$\frac{1}{4}$$

$$S 4 | S 3$$
 1960

Desc. 140 ft. over rolling N. slope.

54.90 Road, bears E. and W.; desc. 20 ft.

56.60 Wash, 60 lks. wide, 3 ft. deep, drains E.; asc. 100 ft. over S. slope.

70.20 Spur, slopes E.; desc. 10 ft. over N. slope.

73.60 Wash, 30 lks. wide, 3 ft. deep, drains SE.; asc. 80 ft. over S. slope.

79.90 Spur, slopes S. 70° E.; desc. 20 ft. over N. slope.

82.10 Intersect the S. bdy. of T. 5 S., R. 6 W.

Point for the closing cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

$$T5S$$

$$S34$$

$$S 4 | S 3$$
 C C  
 T6S R9W  
 1960

From this cor. the standard cor. of secs. 33 and 34, T. 5 S., R. 9 W. bears S. 89° 55' W., 1.44 chs. dist., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.

Land, mountainous.

Soil, rocky clay loam.

Timber, moderate to scattered juniper.

Point for the N. ¼ sec. cor. of sec. 3, T. 6 S., R. 9 W. is at mid-point and on the N. bdy. of the Tp.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

$$\frac{1}{4} S 3$$
 T6S R9W  
 1960

From this cor. the standard ¼ sec. cor. of sec. 34, T. 5 S., R. 9 W. bears S. 89° 55' W., 1.12 chs. dist., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

From the cor. of secs. 3, 4, 9 and 10.

S. 0° 05' E., bet. secs. 9 and 10.

Over mountainous land, through moderate juniper.

Asc. 20 ft. over N. slope.

## Portion of T 6 S. 9 W.

## Chains

- 1.60 Spur, slopes NW.; asc. 20 ft. along W. slope.
- 3.60 Small draw, drains NW.; asc. 120 ft. over N. slope.
- 11.30 Spur, slopes W.; desc. 280 ft. over rolling S. slope.
- 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., 24 ins. in the ground, with brass cap mkd.

T6S R9W

$$\begin{array}{c} \frac{1}{4} \\ S 9 | S10 \\ 1960 \end{array}$$

- Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
- Desc. 80 ft. over gentle S. slope.
- 59.00 Small wash, drains E.; asc. 20 ft. over gentle N. slope.
- 77.00 Small wash, drains N.  $70^\circ$  E.
- 79.30 Road, bears N.  $70^\circ$  E. and S.  $70^\circ$  W.
- 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., 24 ins. in the ground, with brass cap mkd.

T6S R9W

$$\begin{array}{c} S 9 | S10 \\ S16 | S15 \\ 1960 \end{array}$$

- Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
- Land, mountainous on N.  $\frac{1}{2}$  mile, rolling desert on remainder.  
Soil, rocky clay loam and gravel.  
Timber, moderate to scattered juniper on N.  $\frac{1}{2}$  mile, widely scattered on remainder.

- S.  $0^\circ 05'$  E., bet. secs. 15 and 16.
- Over gently rolling land; asc. 50 ft. over N. slope.
- 11.20 Small spur, slopes N.  $70^\circ$  E.; desc. 30 ft. over SE. slope.
- 21.40 Road, bears E. and W.; asc. 40 ft. over gentle NE. slope.
- 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., 24 ins. in the ground, with brass cap mkd.

T6S R9W

$$\begin{array}{c} \frac{1}{4} \\ S16 | S15 \\ 1960 \end{array}$$

- Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
- Asc. 130 ft. over N. slope.

## Survey, Portion of Subdivision, T. 6 S., R. 9 W.

Chains

53.68

Intersect the E. bdy. of the Dugway Proving Grounds.

Point for the closing cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

```

T6S R9W
S16 | S15
   C | C
   /  \
DPG
1960

```

The cor. is located by four strand barbed wire fence line.

From this cor. Angle Point No. 18, bears S. 37° 07' E., 1.10 chs. dist., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.

Thence

Across the point of the Dugway Proving Grounds.

55.00 Spur, slopes E.; desc. 10 ft. over S. slope.

55.42 Intersect the E. bdy. of the Dugway Proving Grounds.

Point for the closing cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

```

DPG
 /  \
 C | C
S16 | S15
T6S R9W
1960

```

The cor. is located by four strand barbed wire fence.

From this cor. Angle Point No. 18 on the E. bdy. of the Dugway Proving Grounds, bears N. 36° 24' E., 1.05 chs. dist.

Desc. 50 ft. over S. slope.

58.50 Small draw, drains E., circling to N.; asc. 130 ft. over N. slope.

68.20 Spur, slopes NE.; desc. 40 ft. over SE. slope.

75.50 Draw, drains NE.; asc. 80 ft. over NW. slope.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

```

T6S R9W
S16 | S15
S21 | S22
1960

```

Land, rolling desert on N. ½ mile, mountainous on remainder.  
Soil, rocky clay loam and gravel.  
Timber, scattered to moderate juniper.

Survey Portion of Subdivision T. 6 S. R. 9 W.

Chains

West, bet. secs. 16 and 21.

Over mountainous land.

Desc. 20 ft. over gentle NW. slope.

3.00 Bottom of descent; asc. 40 ft. over E. slope.

7.00 Spur, slopes S.; desc. 40 ft. over W. slope.

10.84 Intersect the E. bdy. of the Dugway Proving Grounds.

Point for the closing cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground and in a collar of stone, with brass cap mkd.

	T6S
D	R9W
P	S16 C
G	S21 C
	1960

From this cor. Angle Point No. 19 on the E. bdy. of the Dugway Proving Grounds bears N. 1° 41' E., 10.34 chs. dist., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.

These cors. are located by a four strand barbed wire fence line.

Land, mountainous.

Soil, rocky and gravelly.

Timber, scattered juniper.

From the cor. of secs. 9, 10, 15 and 16.

West, bet. secs. 9 and 16.

Over gently rolling desert land.

1.90 Unimproved dirt road, bears N. 80° E. and S. 80° W.

40.00 Point for the ¼ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

	T6S R9W
	¼ S 9
	S16
	1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

47.20 Road, bears N. 60° W. and S. 60° E.; asc. 40 ft. over gentle NE. slope.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

## Survey, Portion of Subdivision, T. 6 S., R. 9 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T6S R9W  
 S 8 | S 9  
 S17 | S16  
 1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

Land, gently rolling desert.

Soil, sand and gravel.

Timber, none.

Undergrowth, moderate shadscale and brush.

S. 0° 06' E., bet. secs. 16 and 17.

Over gently rolling desert land.

Asc. 30 ft. over NE. slope.

19.36

Intersect the E. bdy. of the Dugway Proving Grounds.

Point for the closing cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T6S R9W  
 C C  
 S17 | S16  
 DPG  
 1960

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

The cor. is located by fence line marking the bdy. of the Dugway Proving Grounds.

From this cor. Angle Point No. 16 on the bdy. of the Dugway Proving Grounds, bears N. 82° 20' W., 8.97 chs. dist., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.

Land, gently rolling desert.

Soil, sand and gravel.

Undergrowth, moderate shadscale and brush.

## General Description

The east boundary of Dugway Proving Grounds cuts southeasterly through the township following along the northeast slope of Cedar Mountains. The land varies from mountainous along the boundary of Dugway Proving Grounds to rolling desert land throughout most of the remainder.

There is a scattered to moderate growth of juniper along the mountains and a moderate growth of shadscale and brush over the entire township, which affords good winter graze for livestock. There are several roads and trails throughout the township but no springs, minerals or recent developments noted.

Chains

**Blank**

**Page**



# CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that, in  
 pursuance of special instructions bearing date of the 2nd day of June, 1960  
 I have surveyed a portion of the subdivision, T. 6 S., R. 9 W.

of the Salt Lake Meridian, in the State of Utah, which are  
 represented in the foregoing field notes as having been executed by me 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  
March 7, 1961

Craig P. Sylvester  
Craig P. Sylvester, Cadastral Surveyor

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
 Washington, D. C., APR 3 1962, 19    

The foregoing field notes of the survey of a portion of the subdivision of T. 6 S., R. 9  
W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester, Cadastral Surveyor  
 having been critically examined and found correct, are hereby approved.

E. L. Pennington  
~~Cadastral Engineering Staff Officer~~  
 Chief, Division of 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.~~

~~\_\_\_\_\_~~  
~~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 AND NORTH BOUNDARIES

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 6 SOUTH, RANGE 10 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated June 2, 1960, which provided

for the surveys included under Group No. 440, approved July 8, 1960

and assignment instructions dated July 8, 1960

Survey commenced September 12, 1960

Survey completed September 13, 1960

# INDEX DIAGRAM

*Township* 6 South, *Range* 10 West

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

## Township 6 South, Range 10 West

## Chains

The south boundary was surveyed by J. Gorlinski in 1876 and resurveyed by E. Bird in 1950. The west boundary was surveyed by A. Nelson in 1925. The portion of the northeast boundary of the Dugway Proving Grounds through T. 6 S., R. 10 W. was surveyed by E. Bird in 1951.

The following field notes are those of the survey of a portion of the east and north boundaries, and a portion of the subdivisional lines of T. 6 S., R. 10 W. which lie outside the Dugway Proving Grounds.

The survey was executed with a W. & L. E. Gurley solar transit No. 541325, 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 this 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 one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the closing corner of section 13 on the northeast boundary of the Dugway Proving Grounds is at latitude  $40^{\circ} 18' 20.27''$  N. and longitude  $112^{\circ} 54' 38.05''$  W., as adjusted by traverse from the township corner of T. 5 S., Rs. 9 and 10 W.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be  $16^{\circ} 45'$  East.

Survey of a Portion of the East Boundary of T. 6 S., R. 10 W.

Point for the cor. of T. 6 S., Rs. 9 and 10 W. is on the S. bdy. of T. 5 S., R. 9 W. (First Standard Parallel South) and is at a position calculated to be N. of the NE. cor. of T. 7 S., R. 10 W.

## Portion of E. T. 6 S. R. 10 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S  
 S31  
 S 1 | S 6  
 T6S  
 R10W R9W  
 1960

From this cor. the standard Tp. cor. of T. 5 S., Rs. 9 and 10 W. bears S. 89° 50' W., 19.90 chs. dist., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.

Beginning at the Tp. cor. of T. 6 S., Rs. 9 and 10 W.

South, along the E. bdy. of sec. 1.

Over mountainous land, through moderate shadscale and brush.

Asc. 10 ft. along E. slope.

4.70 Spur, slopes S. 15° E.; desc. 180 ft. over S. slope.

15.80 Wash, 30 lks. wide, 8 ft. deep, drains E.; asc. 30 ft. over S. slope.

16.80 Enter junipers bearing E. and W.; cont. over rolling land.

26.45 Point for the cor. of secs. 1 and 12, T. 6 S., R. 10 W. at dist. computed to be 400.00 chs. N. of the NE. cor. of T. 7 S., R. 10 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T6S  
 R10W R9W  
 S 1 |  
 S12 |  
 1960

Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of the cor.

Land, mountainous.

Soil, rocky clay loam.

Timber, moderate juniper on S. 10.00 chs.

South, along the E. bdy. of sec. 12.

Over rolling desert land, through juniper and sage.

Asc. 20 ft.

12.60 Unimproved dirt road, bears S. 70° E. and N. 80° W.; asc. 20 ft. over rolling land, E. drainage.

40.00 Point for the ¼ sec. cor. of sec. 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

## Survey, Portion of E. Bdy., T. 6 S., R. 10 W.

Chains

T6S  
R10W R9W  
S12  
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

Cont. over gently rolling land.

- 56.50 Unimproved dirt road, bears E. and W.; asc. 70 ft. over rolling land draining N. 20° E.
- 74.20 West edge of large rock outcrop, about 80 ft. high; desc. 40 ft. over S. slope.
- 78.00 Draw, drains E.; asc. 10 ft. over N. slope.
- 80.00 Point for the cor. of secs. 12 and 13, T. 6 S., R. 10 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T6S  
R10W R9W  
S12  
S13  
1960

Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of the cor.

Land, rolling.

Soil, clay loam and rock.

Timber, scattered to moderate juniper.

South, along the E. bdy. of sec. 13.

Over rolling hills, through moderate juniper.

- 7.00 Small draw, drains NE.; asc. 100 ft. along the W. side of finger spur, sloping NE.
- 14.00 Spur, slopes S. 80° E.; desc. 140 ft. over S. slope.
- 24.90 Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 20 ft. over N. slope.
- 27.00 Finger spur, slopes E.; asc. 40 ft. over rolling land, NE. drainage and exposure.
- 36.87 Intersect the NE. bdy. of the Dugway Proving Grounds.
- Point for the closing cor. of sec. 13, T. 6 S., R. 10 W.
- Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T6S  
R10W R9W  
C C  
S13  
DPG  
1960

Portion of E. Bdy., T. 6 S., R. 10 W.

Chains

From this cor. Angle Point No. 13 on the bdy. of the Dugway Proving Grounds bears S. 66° 24' W., 4.56 chs. dist., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record. These cors. are located by a four-stand barbed wire fence line.

Land, rolling.  
Soil, clay loam and rock.  
Timber, scattered to moderate juniper.

Survey of the North Boundary of T. 6 S., R. 10 W.

From the Tp. cor. of T. 6 S., Rs. 9 and 10 W. a 2½ in. iron post, hereinbefore described.

S. 89° 50' W., along the N. bdy. of sec. 1.

Over mountainous land.

Asc. 50 ft. along spur sloping S. 15° E. from N. 80° W.

3.00 Cont. along S. slope of spur.

10.90 Slope changes to SW.; desc. 130 ft.

19.90 The standard Tp. cor. of T. 5 S., Rs. 9 and 10 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.

West, along the N. bdy. of sec. 1, continuing measurement.

20.10 Wash, 20 lks. wide, 3 ft. deep, drains S. 10° E.; asc. 90 ft. over E. slope.

25.40 Spur, slopes N. 15° E.; asc. 140 ft. along N. slope.

40.00 Point for the ¼ sec. cor. of sec. 1, T. 6 S., R. 10 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S  
¼ S 1  
T6S R10W  
1960

Asc. 170 ft. over NE. slope.

53.80 Spur, slopes S. 80° E. from NW.; desc. 20 ft. over SW. slope.

59.90 Point for the ¼ sec. cor. of sec. 36, T. 5 S., R. 10 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S R10W  
¼ S36  
T6S  
1960

## Survey, N. Bdy., T. 6 S., R. 10 W.

Chains

Desc. 90 ft. over SW. slope.

64.50 Wash, 20 lks. wide, 3 ft. deep, drains SE.; asc. 240 ft. over E. slope.

73.90 Spur, slopes S.; desc. 40 ft. over SW. slope.

76.90 Small draw, drains S., circles to E.; asc. 30 ft. over E. slope.

80.00 Point for the cor. of secs. 1 and 2, T. 6 S., R. 10 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S

S 2	S. 1
T6S R10W	
1960	

Land, mountainous.

Soil, clay and rock.

Timber, none.

Undergrowth, moderate low brush and shadscale.

West, along the N. bdy. of sec. 2, T. 6 S., R. 10 W.

Over mountainous land.

Asc. 120 ft. over E. slope.

6.20 Ridge, bears irregularly N. 15° E. and S. 15° W.; desc. 160 ft. over W. slope.

12.20 Small draw, drains N.; asc. 70 ft. over E. slope.

14.60 Spur, slopes N.; desc. 90 ft. over NW. slope.

19.90 Point for the cor. of secs. 35 and 36, T. 5 S., R. 10 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T5S R10W

S35	S36
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T6S

1960

Desc. 90 ft. over NW. slope.

24.20 Wash, in bottom of draw, 20 lks. wide, 4 ft. deep, drains N. 30° E.; asc. 80 ft. over E. slope.

27.90 Spur, slopes NE.; desc. 50 ft. along N. slope.

33.20 Small draw, drains N. 15° E.; asc. 130 ft. over NE. slope.

40.00 Point for the ¼ sec. cor. of sec. 2, T. 6 S., R. 10 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.

N. Bdy., T. 6 S., R. 10 W.

Chains

T5S

½ S 2  
T6S R10W  
1960

Asc. 10 ft.

- 42.00 Spur, slopes N.; desc. 10 ft. along rolling N. slope.
- 52.00 Draw, near junction, drains N. 70° E. from S. 15° W. and W.; asc. 140 ft. over E. slope.
- 59.90 Point for the ¼ sec. cor. of sec. 35, T. 5 S., R. 10 W.

Set an iron post, 30 ins. long, 2½ ins. diam. on solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T5S R10W  
¼ S35

T6S  
1960

The cor. is located on small ledge facing E.

Asc. 100 ft. over E. slope.

- 65.33 Intersect Angle Point No. 8 on the NE. bdy. of the Dugway Proving Grounds, an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.

Point for the closing cor. of secs. 2 and 35, Tps. 5 and 6 S., R. 10 W.

Replace the original iron post with an iron post, 30 ins. long, 2½ ins. diam., set 6 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T5S  
AP8 R10W.  
DPG S35 C  
S 2 C.  
T6S  
1960

From this cor. Angle Point No. 7 on the bdy. of the Dugway Proving Grounds, bears N. 24° 31' W. and Angle Point No. 9 bears S. 28° 06' E.

Land, mountainous.

Soil, clay and rock.

Timber, moderate juniper on W. 25.00 chs.

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Survey of a Portion of the Subdivision of T. 6 S., R. 10 W.

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From the cor. of secs. 1 and 2 on the N. bdy. of the Tp., an iron post, 2½ ins. diam., hereinbefore described.

South, bet. secs. 1 and 2.

## Survey, Partion of Subdivision, T. 6 S., R. 10 W.

Chains	
	Over mountainous land, through scattered juniper.
	Desc. 40 ft. over SE. slope.
3.50	Small draw, drains E.; asc. 70 ft. over NE. slope.
10.60	Spur, slopes S. 70° E.; desc. 200 ft. over S. slope.
18.60	Small wash in bottom of draw, drains S. 70° E.; asc. 120 ft. over NE. slope.
23.60	Spur, slopes E.; desc. 40 ft. over SE. slope.
26.45	Point for the cor. of secs. 1, 2, 11 and 12 calculated to be at the position it would occupy if the entire Tp. were subdivided.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T6S R10W S 2   S 1 S11   S12 1960
	Land, mountainous. Soil, clay and rock. Timber, scattered juniper.
	West, bet. secs. 2 and 11.
	Over mountainous land, through scattered juniper.
	Asc. 270 ft. over rolling SE. slope.
25.70	Ridge, bears irregularly N. 20° E. and S. 20° W.; desc. 110 ft. over NW. slope.
32.10	Wash, in bottom of draw, 20 lks. wide, 3 ft. deep, drains N. from S. 70° W.; asc. 70 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T6S R10W ¼ S 2 S11 1960
	Asc. 80 ft. over SE. slope.
45.00	Slope changes to SW.; desc. 30 ft.
48.20	Small draw, drains SE. circling to E.; asc. 50 ft. over NE. slope.
51.25	Intersect the NE. bdy. of the Dugway Proving Grounds.
	Point for the closing cor. of secs. 2 and 11, T. 6 S., R. 10 W.

Portion of Subdivision T. 6 S., R. 10 W.

Chains

Point for the closing cor. of secs. 2 and 11, T. 6 S., R. 10 W.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 10 ins. in the ground and in a mound of stone,  $3\frac{1}{2}$  ft. base to top, with brass cap mkd.

T6S R10W  
 S 2 C  
 DPG / S11 C  
 1960

From this cor. Angle Point No. 8 on the bdy. of the Dugway Proving Grounds, bears N.  $28^{\circ} 06' W.$ , 29.99 chs. dist., an iron post,  $2\frac{1}{2}$  ins. diam., hereinbefore described.

Land, mountainous.

Soil, clay and rock.

Timber, moderate to scattered juniper.

#### General Description

The major portion of T. 6 S., R. 10 W. is located in the Dugway Proving Grounds. The northeast boundary of Dugway Proving Grounds cuts through section 2 southeasterly and extends through section 13 on the west boundary of the township.

Of the portion of the township surveyed (the northeast corner) the north boundary and the subdivision fall on the general east slope of the Cedar Mountains, and the land along the west boundary is predominantly low rolling desert. There is a scattered to moderate growth of juniper, sage and shadscale over most of the area. The elevation ranges from about 5,370 feet to about 6,250 feet above sea level; the highest point is in section 2 and the lowest elevation is along the east boundary of section 12.

No recent developments, water, or indications of minerals were noted in the surveyed area.



370  
**CERTIFICATE OF CADASTRAL ENGINEER**

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 2nd day of June, 1960

I have surveyed a portion of the east and north boundaries and a portion of the subdivision of T. 6 S., R. 10 W.

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

Salt Lake City, Utah  
March 8, 1961

  
Craig P. Sylvester, Cadastral Surveyor

**CERTIFICATE OF APPROVAL**

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., APR 3 1962, 1962

The foregoing field notes of the survey of a portion of the east and north boundaries and a portion of the subdivision of T. 6 S., R. 10 W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester, Cadastral Surveyor

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

  
Chief, Division of 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.~~

~~Cadastral Engineering Staff Officer~~

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF THE SOUTH BOUNDARY

A PORTION OF THE EAST BOUNDARY

AND A PORTION OF THE SUBDIVISION

AND THE SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 9 SOUTH, RANGE 11 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated May 9, 1960, which provided  
for the surveys included under Group No. 439, approved May 18, 1960  
and assignment instructions dated June 24, 1960

Survey commenced August 3, 1960

Survey completed August 5, 1960

# INDEX DIAGRAM

Township 9 South, Range 11 West

0	5	4	3	2	1	
7	6	9	10	11	12	
13	17	16	15	14	13	
19	20	21	22	23	24	3
20	29	28	27	10 26	25	2
				12	11	
31	32	33	34	9 35	11 36	2
8	8	7	6	5	4	

## Township 9 South, Range 11 West

## Chains

The east boundary (the Second Guide Meridian West) was surveyed by Joseph Gorlinski in 1875. The south, west and north boundaries were surveyed by W. A. Gorlinski in 1876. A portion of the subdivision was surveyed by Joseph Gorlinski in 1877. A portion of the subdivision was dependently resurveyed and surveyed by Elliot Bird in 1951.

The following field notes are those of a dependent resurvey of the south boundary, a portion of the east boundary and a portion of the subdivision; and the survey of a portion of the subdivision 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.

Before restoring corners, the lines of the original survey were retraced and a diligent search made for any evidence of the original corners. The rules of proportionate measurement were applied to ascertain the position of the lost corners after every reasonable possibility of finding direct evidence of the corners had been exhausted.

The survey was executed with a W. & L. E. Gurley solar transit, No. 541325, 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 this 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 one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U.S.G.S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude  $39^{\circ} 59' 32.42''$  N. and longitude  $113^{\circ} 01' 26.51''$  W. as adjusted from traverses to U.S.G.S. triangulation station "Detroit."

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be  $16^{\circ} 45'$  East.

## Dependent Resurvey, Portion of E. Bdy., T. 9 S., R. 11 W.

Chains

Dependent Resurvey of a Portion of the East Boundary, T. 9 S., R. 11

Reestablishment of the survey executed by Joseph Gorlinski in 1875.

From the cor. of Tps. 9 and 10 S., Rs. 10 and 11 W. monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 10 S., R. 11 W.

N. 0° 03' E., bet. secs. 31 and 36.

Over nearly level bottom land in Dugway Valley, draining NW.

40.03 The original ¼ sec. cor. of secs. 31 and 36, mkd. by a limestone, 3x8x14 ins. set, mkd. and witnessed as described in the official record.

At the cor. point, set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T9S  
R11W R10W  
¼  
S36 | S31  
1960

Bury original cor. with iron post.

N. 0° 03' E., beginning new measurement.

7.70 Unimproved road, bears E. and W.

40.04 The original cor. of secs. 25, 30, 31 and 36, mkd. by a limestone, 3x10x16 ins. set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.

T9S  
R11W R10W  
S25 | S30  
S36 | S31  
1960

Deposit original cor. with iron post.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

N. 0° 03' W., bet. secs. 25 and 30.

Over nearly level land, draining NW.

## Dependent Reurvey, Portion of E. Bdy., T. 9 S., R. 11 W.

Chains

- 40.04 The original  $\frac{1}{4}$  sec. cor. of secs. 25 and 30, mkd. by a 2x8x12 in. limestone set, mkd. and witnessed as described in the official record.
- At the cor. point
- Set an iron post 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.
- T9S  
R11W R10W  
 $\frac{1}{4}$   
S25|S30  
1960
- Raised a mound of stone 2 ft. base, 2 ft. high, W. of cor.
- Deposit original cor. with iron post.
- 
- N,  $0^{\circ} 10'$  W., beginning new measurement.
- 34.00 Sand dune, bears E. and W.; cont. over level desert land.
- 40.10 The original cor. of secs. 19, 24, 25 and 30, mkd. by a 3x8x14 in. limestone, set, mkd. and witnessed as described in the official record.
- At the cor. point
- Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.
- T9S  
R11W R10W  
S24|S19  
S25|S30  
1960
- Raise a mound of stone  $2\frac{1}{2}$  ft. base, 2 ft. high, N. of cor.
- Deposit original cor. with iron post.
- Land, level.
- Soil, clay, small sand dunes.
- Timber, none.
- Undergrowth, shadscale.
- 
- N.  $0^{\circ} 14'$  W., bet. secs. 19 and 24.
- Over nearly level desert land.
- 37.80 Unimproved road, bears SE. and NW.
- 40.07 The original  $\frac{1}{4}$  sec. cor. of secs. 19 and 24, mkd. by a 4x4x6 in. limestone, set, mkd. and witnessed as described in the official record.
- At the cor. point
- Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

## Portion of E. 1/4 Sec. 10, T. 9 S., R. 11 W.

Chains

T9S  
R11W R10W  
1/4  
S24 | S19  
1960

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

Deposit original cor. with iron post.

N. 0° 14' W., beginning new measurement.

11.80 Wash, 6 ft. deep, 50 lks. wide, drains NW.

40.07 The cor. of secs. 13, 18, 19 and 24, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

from which

The cor. of secs. 13, 14, 23 and 24 and the cor. of secs. 14, 15, 22 and 23, each bear S. 89° 50' W. (record gives N. 89° 50' W.)

Land, level.

Soil, clay, a few small sand dunes.

Timber, none.

Undergrowth, shadscale.

Dependent Resurvey of the South Boundary of T. 9 S., R. 11 W.

Reestablishment of the survey executed by W. A. Gorlinski in 1876.

From the cor. of Tps. 9 and 10 S., Rs. 10 and 11 W., monumented by an iron post, 30 ins. long, 2 1/2 ins. diam., set, mkd. and witnessed as described in the field notes of T. 10 S., R. 11 W.

S. 89° 58' W., along the S. bdy. of sec. 36.

Over level desert land, draining N.

1.10 Wash, 3 ft. deep, 20 lks. wide, drains N.

40.39 The original 1/4 sec. cor. of secs. 1 and 36, mkd. by a 2x6x12 in. limestone, set, mkd. and witnessed as described in the official record. This cor. will now function as the S. 1/4 sec. cor. of sec. 36, T. 9 S., R. 11 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.

T9S R11W  
1/4 S36

T10S  
1960

Deposit original cor. beside iron post.

## Dependent Resurvey, S. Edy., T. 9 S., R. 11 W.

Chains

S. 89° 57' W., beginning new measurement on a course intersecting the original cor. of secs. 2, 3, 34 and 35 with cors. established at 40.00 chs. of westing in accordance with the special instructions.

7.90 Unimproved road, bears NE. and SW.

40.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T9S R11W

S35|S36

S 2 | S 1

T10S

1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

There is no remaining evidence of original cor.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

S. 89° 57' W. along the S. bdy. of sec. 35.

Over nearly level desert land, draining N.

40.00 Point for the S. ¼ sec. cor. of sec. 35, T. 9 S., R. 11 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.

T9S R11W

¼ S35

T10S

1960

From this cor. the original ¼ sec. cor. of secs. 2 and 35 bears S. 67° 20' W., 1.08 chs. dist., mkd. by a 3x6x10 in. limestone.

Deposit original cor. beside iron post.

Cont. over level desert land.

81.04 The original cor. of secs. 2, 3, 34 and 35, monumented by a 4x6x12 in. limestone, set, mkd. and witnessed as described in the official record. This cor. will now function as the cor. of secs. 34 and 35, T. 9 S., R. 11 W. only.

At the cor. point,

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.

T9S R11W

S34|S35

T10S

1960

S. T. 9 S. R. 11 W.

## Chains

Deposit original cor. beside iron post.

Land, nearly level.

Soil, clay.

Timber, none.

Undergrowth, none.

S. 89° 56' W. along the S. bdy. of sec. 34, with dependent resurvey, and cors. mkd. for T. 9 S., R. 11 W. only.

Over nearly level desert land, draining N.

6.40 Wash, 2 ft. deep, 20 lks. wide, drains N. 15° W.

40.16 The original  $\frac{1}{4}$  sec. cor. of secs. 3 and 34, mkd. by a 4x4x10 in. limestone, set, mkd. and witnessed as described in the official record. This cor. will now function as the S.  $\frac{1}{4}$  sec. cor. of sec. 34, T. 9 S., R. 11 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T9S R11W

 $\frac{1}{4}$  S34

T10S

1960

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

Deposit original cor. alongside iron post.

S. 89° 52' W., beginning new measurement.

22.40 Wash, 2 ft. deep, 20 lks. wide, drains N.

40.03 The original cor. of secs. 3, 4, 33 and 34, monumented by a 4x4x12 in. limestone, set; mkd. and witnessed as described in the official record. This cor. will now function as the cor. of secs. 33 and 34, T. 9 S., R. 11 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground with brass cap mkd.

T9S R11W

S33|S34

T10S

1960

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

Deposit original cor. alongside iron post.

## Dependent Resurvey, S. Bdy., T. 9 S., R. 11 W.

## Chains

Land, nearly level.  
Soil, clay.  
Timber, none.  
Undergrowth, shadscale.

S. 89° 45' W., along the S. bdy. of sec. 33.

Over gently rolling desert land, covered with shadscale; asc. 15 ft. over gentle NE. slope.

17.37 Four strand barbed wire fence, bears N. and S.

40.54 The original  $\frac{1}{4}$  sec. cor. of secs. 4 and 33, monumented by a 3x6x12 in. limestone set, mkd. and witnessed as described in the official record. This cor. will now function as the S.  $\frac{1}{4}$  sec. cor. of sec. 33, T. 9 S., R. 11 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.

T9S R11W  
 $\frac{1}{4}$  S33

T10S  
1960

Deposit original cor. alongside iron post.

S. 89° 48' W., beginning new measurement.

Asc. 40 ft. over gentle NE. slope.

44.98 The original cor. of secs. 4, 5, 32 and 33, mkd. by a 4x5x10 in. sandstone set, mkd. and witnessed as described in the official record. This cor. will now function as the cor. of secs. 32 and 33, T. 9 S., R. 11 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T9S R11W  
S32|S33

T10S  
1960

Raise a mound of stone 3 ft. base, 2 $\frac{1}{2}$  ft. high, N. of cor.

Deposit original cor. alongside iron post.

Land, gently rolling bench.  
Soil, clay with gravel and rock.  
Timber, none.  
Undergrowth, shadscale.

S. Bdy. T. 9 S., R. 11 W.

Chains

S. 89° 45' W., along the S. bdy. of sec. 32.

Over gently rolling desert land, along gentle N. slope.

22.50 Wash, 2 ft. deep, 20 lks. wide, drains N.; asc. 15 ft. along N. slope.

40.55 The original  $\frac{1}{4}$  sec. cor. of secs. 5 and 32, mkd. by a 6x6x12 in. sandstone, set, mkd. and witnessed as described in the official record. This cor. will now function as the S.  $\frac{1}{4}$  sec. cor. of sec. 32, T. 9 S., R. 11 W. only.

At the cor. point

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground with brass cap mkd.

T9S R11W  
 $\frac{1}{4}$  S32

T10S  
1960

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

Deposit original cor. alongside iron post.

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S. 89° 45' W., beginning new measurement.

5.00 Graded gravel road, bears N. 50° W. and S. 50° E.; asc. 50 ft. over gentle NE. slope.

40.34 The original cor. of secs. 5, 6, 31 and 32, monumented by a 8x10x16 in. black limestone, set, mkd. and witnessed as described in the official record. This cor. will now function as the cor. of secs. 31 and 32, T. 9 S., R. 11 W. only.

At the cor. point

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 20 ins. in the ground, and in a mound of stone,  $2\frac{1}{2}$  ft. base to top, with brass cap mkd.

T9S R11W  
S31|S32

T10S  
1960

Bury original cor. alongside iron post.

Land, gently rolling.

Soil, gravel and rock.

Timber, none.

Undergrowth, shadscale.

S. 89° 36' W., along the S. bdy. of sec. 31.

Over rolling desert land, draining NE.; asc. 15 ft. over NE. slope.

8.90 Wash, 2 ft. deep, 30 lks. wide, drains NE.; asc. NE. slope.

11.70 Small wash, drains NE.; asc. 135 ft. over NE. slope.

## Dependent Resurvey, S. Bdy., T. 9 S., R. 11 W.

Chains

36.20 Spur, slopes S.; desc. 25 ft. over W. slope. Enter hills on N. end of Dugway Range.

39.79 Point for the S.  $\frac{1}{4}$  sec. cor. of sec. 31, T. 9 S., R. 11 W., at proportionate dist. No evidence of original  $\frac{1}{4}$  sec. cor. of secs. 6 and 31 was found.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 16 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T9S R11W

 $\frac{1}{4}$  S31

T10S

1960

Asc. 220 ft. over SE. slope.

65.80 Spur, slopes SE.; asc. 100 ft. along irregular S. slope.

76.70 High ledgy spur, slopes S.; desc. 50 ft. over W. slope into draw.

78.00 Draw, drains S.; asc. 20 ft. over E. slope.

79.58 The original cor. of Tps. 9 and 10 S., Rs. 11 and 12 W., monumented by a 14x14x20 in. limestone, set, mkd. and witnessed as described in the official record. This cor. will now function as the cor. of T. 9 S., Rs. 11 and 12 W. only.

At the cor. point

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., on solid rock, over a cross (X) and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T9S

R12W R11W

S36|S31

T10S

1960

Deposit original cor. in mound of stone.

Land, broken.

Soil, gravel and ledgy.

Timber, none.

Undergrowth, shadscale.

Dependent Resurvey of a Portion of the Subdivision, T. 9 S., R. 11 W.

Reestablishment of the survey executed by Joseph Gorlinski in 1877.

From the cor. of secs. 34 and 35 on the S. bdy. of the Tp.

N.  $1^{\circ} 58'$  W., bet. secs. 34 and 35.

Over nearly level desert land, draining N.

## Resurvey, Portion of Subdivis T. 9 R. 11 W.

Chains

39.96 Point for the  $\frac{1}{4}$  sec. cor. of secs. 34 and 35, at proportionate dist.Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T9S R11W

 $\frac{1}{4}$   
 S34 | S35  
 1960
Raise a mound of stone,  $2\frac{1}{2}$  ft. base, 2 ft. high, W. of cor.

No evidence of original cor.

79.92 Point for the cor. of secs. 26, 27, 34 and 35, at proportionate dist.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T9S R11W

 S27 | S26  
 S34 | S35  
 1960
Raise a mound of stone,  $2\frac{1}{2}$  ft. base, 2 ft. high, W. of cor.

No evidence of the original cor.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

N.  $1^{\circ} 58'$  W., bet. secs. 26 and 27.

Over level desert land.

14.20 Unimproved road, bears SW. and NE.

39.96 Point for the  $\frac{1}{4}$  sec. cor. of secs. 26 and 27, at proportionate dist.Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T9S R11W

 $\frac{1}{4}$   
 S27 | S26  
 1960
Raise a mound of stone,  $2\frac{1}{2}$  ft. base, 2 ft. high, W. of cor.

No evidence of the original cor.

79.92 The cor. of secs. 22, 23, 26 and 27, monumented by an iron post,  $2\frac{1}{2}$  ins. diam., set, mkd. and witnessed as described in the official record.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

## Survey, Portion of Subdivision, T. 9 S., R. 11 W.

Chains

## Survey of a Portion of the Subdivision of T. 9 S., R. 11 W.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp.

N. 0° 01' W., bet. secs. 35 and 36 on a course calculated to intersect the cor. of secs. 13, 14, 23 and 24, on the S. bdy. of the Dugway Proving Grounds.

Over level desert land, draining N.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T9S R11W

$\frac{1}{4}$   
S35 | S36  
1960

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

Cont. over level desert land.

51.50 Unimproved road, bears S. 89° W. and N. 89° E.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T9S R11W

S26 | S25  
S35 | S36  
1960

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

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp.

S. 89° 53' W., bet. secs. 25 and 36.

Over level desert land, draining N.

40.25 Point for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T9S R11W

$\frac{1}{4}$  S25  
S36  
1960

## Survey, Portion of Subdivision, T. 9 S., R. 11 W.

Chains

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of the cor.

Cont. over level desert land.

80.50

The cor. of secs. 25, 26, 35 and 36.

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

S. 89° 54' W., bet. secs. 26 and 35.

Over level desert land, draining N.

40.00

Point for the ¼ sec. cor. of secs. 26 and 35.

Set an iron post, 30 ins. long, 2¼ ins. diam., 24 ins. in the ground, with brass cap mkd.

T9S R11W

¼ S26

¼ S35

1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of the cor.

Cont. over level desert land.

83.78

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

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

#### General Description

T. 9 S., R. 11 W. consists of rolling to level desert land, with the exception of a few spurs on the N. end of Dugway Range which extends into the extreme southwest corner of the township.

The north half of the township lies within the U. S. Army Dugway Proving Grounds.

The soil is generally clay with a few sand dunes, and the vegetation is mainly shadscale. The drainage is northwest. Nearly all of the township can be traveled with two or four wheel drive vehicle.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

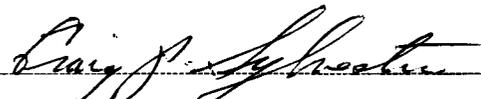
NAMES	CAPACITY
Jeddie J. Judd	Notes (Rear Chain)
John D. Carter	Front Chainman
James R. Munson	Transit
Arthur G. Barnhart III	Flagman

### CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 9th day of May, 1960, I have ~~surveyed~~ independently resurveyed the south boundary, a portion of the east boundary and a portion of the subdivision and surveyed a portion of the subdivision of T. 9 S., R. 11 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah  
March 13, 1961

  
Craig P. Sylvester, Cadastral Surveyor

### CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
 Washington, D. C., APR 2 1962, 1962

The foregoing field notes of the ~~surveyed~~ independent resurvey of the south boundary, a portion of the east boundary and a portion of the subdivision, and the survey of a portion of the subdivision of T. 9 S., R. 11 W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester, Cadastral Surveyor

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

  
~~Cadastral Engineering Staff Officer~~  
 Chief, Division of 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.~~

~~Cadastral Engineering Staff Officer~~

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF A PORTION OF THE SOUTH BOUNDARY

AND THE SURVEY

OF A PORTION OF THE SOUTH BOUNDARY

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 9 SOUTH, RANGE 12 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated May 9, 1960, which provided

for the surveys included under Group No. 439, approved May 18, 1960

and assignment instructions dated June 24, 1960

Survey commenced July 29, 1960

Survey completed August 2, 1960

# INDEX DIAGRAM

Township 9 South, Range 12 West

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31	7 32	7 33	34	35	36
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## Township 9 South, Range 12 West

## Chains

The north and east boundaries and a portion of the south boundary were surveyed by W. A. Gorlinski in 1876. A portion of the subdivision was surveyed by Joseph Gorlinski in 1876. A portion of the subdivision was dependently resurveyed, and the west boundary and a portion of the subdivision were surveyed by Elliot Bird in 1951.

The following field notes are those of a dependent resurvey of a portion of the south boundary, and the survey of a portion of the south boundary and a portion of the subdivision, deemed sufficient in extent to facilitate development of the natural resources, and mark the boundaries of those sections that are normally considered state school sections.

Before restoring corners, the lines of the original survey were retraced and a diligent search made for any evidence of the original corners. The rules of proportionate measurement were applied to ascertain the position of the lost corners after every reasonable possibility of finding direct evidence of the corners had been exhausted.

The survey was executed with W. & L. E. Gurley solar transit No. 541325 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 this 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 one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U.S.G.S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude  $39^{\circ} 59' 31.55''$  N. and longitude  $113^{\circ} 08' 20.08''$  W. as adjusted from traverses to U.S.G.S. triangulation station "Detroit."

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be  $16^{\circ} 45' E.$

Dependent Resurvey of a Portion of S. T. 9 S. R. 12 W.

Chains

Dependent Resurvey of a Portion of the South Boundary, T. 9 S., R. 12 W. & establishment thereon of cors. pertaining to T. 9 S., R. 12 W. only

Reestablishment of the survey executed by W. A. Gorlinski in 1877.

From the cor. of T. 9 S., Rs. 11 and 12 W. monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 9 S., R. 11 W.

N. 89° 54' W., along the S. bdy. of secs. 36.

Over mountainous desert land of Dugway Range, through scattered juniper; asc. 65 ft. over E. slope.

- 3.90 Spur, slopes S.; desc. 35 ft. along broken S. slope.
- 11.90 Spur, slopes S.; desc. 60 ft. along broken and irregular S. slope.
- 31.60 Draw, drains SE.; asc. 240 ft. over ledgy E. slope.
- 40.02 Point for the S. ¼ sec. cor. of secs. 36, T. 9 S., R. 12 W., at proportionate dist.; no remaining evidence of the original cor.
- Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground, to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.
- T9S R12W  
¼ S36
- T10S  
1960
- No evidence of original cor.
- Cor. falls at base of small ledge, facing N.
- N. 89° 54' W., beginning from measurement.
- Asc. 50 ft. over E. slope.
- 45.42 Top of high spur, slopes S.; desc. 230 ft. over S. slope.
- 52.62 Wash, 2 ft. deep, 10 lks. wide, drains S.; asc. 200 ft. over E. slope.
- 59.82 Spur, slopes S.; desc. 140 ft. over W. slope.
- 65.32 Wash, 2 ft. deep, 10 lks. wide, drains S.; asc. 105 ft. over E. slope.
- 72.92 Spur, slopes S.; desc. 60 ft. over W. slope.
- 76.22 Wash, 3 ft. deep, 20 lks. wide, drains S.; asc. 90 ft. over E. slope.
- 80.04 Point for the cor. of secs. 35 and 36, T. 9 S., R. 12 W., at proportionate dist.; no remaining evidence of the original cor.

## Dependent Resurvey, Portion of S. Bdy., T. 9 S., R. 12 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

T9S R12W  
S35|S36

T10S  
 1960

No evidence of original cor.

Land, broken.

Soil, gravel, ledgy.

Timber, very scattered juniper.

Undergrowth, shadscale.

N. 89° 54' W., along the S. bdy. of secs. 35.

Over broken mountain land; asc. 200 ft. over irregular E. slope.

23.40 Top of ascent on ridge, bears NE. and SW. irregularly; desc. 340 ft. over broken NW. slope.

40.02 The original ¼ sec. cor. of secs. 2 and 35, monumented by a 4x8x18 in. limestone set, mkd. and witnessed as described in the official record. This cor. will now function as the S. ¼ sec. cor. of sec. 35, T. 9 S., R. 12 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T9S R12W  
¼ S35

T10S  
 1960

Deposit original cor. alongside iron post.

S. 89° 57' W., beginning new measurement.

Desc. 170 ft. over NW. slope.

18.30 Wash, 3 ft. deep, 50 lks. wide, drains N.; asc. 25 ft. over E. slope in bottom of Bullion Canyon.

23.50 Low spur, slopes N.; desc. 65 ft. over W. slope.

29.70 Wash, 2 ft. deep, 30 lks. wide, drains N.; asc. 10 ft. over E. slope.

39.71 The original cor. of secs. 2, 3, 34 and 35, monumented by a 2 in. iron pipe, 2 ft. high, set in a block of concrete, 5 ft. diam., with T9S R12W S34 S35 mkd. in the concrete. This cor. will now function as the cor. of secs. 34 and 35, T. 9 S., R. 12 W. only. This monument could not be improved. The original stone is buried in the concrete.

## Dependent Resurvey, Portion of S. . . . T. 9 S. R. 12 W.

Chains

Land, broken.  
Soil, gravel, ledgy.  
Timber, scattered juniper.  
Undergrowth, sage and shadscale.

Survey of a Portion of the South Boundary of T. 9 S., R. 12 W., and the establishment thereon of cors. pertaining to T. 9 S., R. 12 W. only.

N. 89° 51' W., along the S. bdy. of secs. 34.

Over slightly broken land in bottom of Bullion Canyon.

- 7.50 Road, unimproved, bears N. and S.; asc. 60 ft. over NE. slope.
- 20.90 Wash, 3 ft. deep, 20 lks. wide, drains NE.; asc. 180 ft. over NE. slope.
- 40.00 Point for the S.  $\frac{1}{2}$  sec. cor. of sec. 34, T. 9 S., R. 12 W.  
Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 14 ins. in the ground and in a mound of stone, 3 $\frac{1}{2}$  ft. base, to top, with brass cap mkd.
- T9S R12W  
 $\frac{1}{2}$  S34
- T10S  
1960
- Asc. 250 ft. over NE. slope.
- 57.90 Ridge, bears N. 10° W. and SE.; desc. 65 ft. over W. slope.
- 65.00 Wash, 2 ft. deep, 20 lks. wide, drains N.; asc. 10 ft. over E. slope.
- 72.10 Bulldozed road, bears N. and S. about 8 chs. to end; asc. 75 ft. over E. slope.
- 80.00 Point for the cor. of secs. 33 and 34, T. 9 S., R. 12 W.  
Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 16 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T9S R12W  
S33|S34

T10S  
1960

Land, broken.  
Soil, gravel, rocks and ledgy.  
Timber, scattered juniper.  
Undergrowth, shadscale and black brush.

N. 89° 51' W., along the S. bdy. of sec. 33.

Over mountainous desert land; asc. 30 ft. over E. slope.

- 12.00 Top of ascent on ridge, bears NW. and SE. irregularly; desc. 240 ft. over W. slope.
- 20.10 Wash, 2 ft. deep, 10 lks. wide, drains SW.; asc. 40 ft. over SE. slope.

## Survey, Portion of S. Bdy., T. 9 S., R. 12 W.

Chains	
22.20	Spur, slopes S.; desc. 255 ft. over broken SW. slope.
40.00	Point for the S. $\frac{1}{4}$ sec. cor. of sec. 33, T. 9 S., R. 12 W. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground, to bedrock, and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top, with brass cap mkd. T9S R12W <u><math>\frac{1}{4}</math> S33</u> T10S 1960 Desc. 15 ft. along SW. slope in bottom of small valley.
50.90	Bulldozed road, bears N. and S.; asc. 110 ft. over SE. slope.
73.80	Bulldozed road, bears N. 10° E. and curves W.; desc. 30 ft. along gentle N. slope of small flat.
80.00	Point for the cor. of sec. 32 and 33, T. 9 S., R. 12 W. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., on solid rock, over a cross (X) and in a mound of stone, 4 ft. base, to top, with brass cap mkd. T9S R12W <u>S32 S33</u> T10S 1960 From this cor. USMM No. 2 bears S. 8° 40' 10" E., 27.24 chs. dist., mkd. by a cedar post, 6 ins. diam. scribed USMM2. Land, broken. Soil, gravel and ledgy. Timber, scattered juniper. Undergrowth, shadscale.
	N. 89° 51' W., along the S. bdy. of sec. 32. Over broken mountain land of Dugway Range; asc. 115 ft. over NE. slope.
12.30	Spur, slopes N.; desc. 65 ft. along broken N. slope.
18.70	Spur, slopes N.; desc. 20 ft. along broken N. slope.
40.00	Point for the S. $\frac{1}{4}$ sec. cor. of sec. 32, T. 9 S., R. 12 W. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. T9S R12W <u><math>\frac{1}{4}</math> S32</u> T10S 1960 Raise a mound of stone, 3 ft. high, 3 ft. base, N. of cor.

Portion of S. Bdy. T. 9 S., R. 12 W.

Chains

- Cor. falls on N. edge of bulldozed road.
- Cont. along N. slope.
- 42.70 Mine tunnel, facing N., base of steep ascent, bears N. and E.; asc. 305 ft. over steep E. slope.
- 55.00 Top of ascent on ridge, bears N. and W. irregularly; desc. 40 ft. along broken N. slope.
- 80.00 Point for the cor. of secs. 31 and 32, T. 9 S., R. 12 W.
- Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 6 ins. in the ground, to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
- T9S R12W  
S31|S32
- T10S  
1960
- Land, broken.  
Soil, gravel, rocks and ledgy.  
Timber, scattered juniper.  
Undergrowth, shadscale.
- 
- N.  $89^{\circ} 51'$  W., along the S. bdy. of secs. 31.
- Over mountainous desert land; desc. 30 ft. along broken N. slope.
- 33.70 Slope changes; desc. 1,040 ft. over ledgy SW. slope, by triangulation.
- 38.00 Base of mountains, bears NW. and SE.; thence over level desert land of Fish Springs Flats.
- 39.00 Graded gravel road to Dugway Proving Grounds, bears N.  $10^{\circ}$  W. and S.  $10^{\circ}$  E.; cont. over level desert land.
- 40.00 Point for the S.  $\frac{1}{2}$  sec. cor. of sec. 31, T. 9 S., R. 12 W.
- Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.
- T9S R12W  
 $\frac{1}{2}$  S31
- T10S  
1960
- Raise a mound of stone,  $2\frac{1}{2}$  ft. base, 2 ft. high, N. of cor.
- Deposit glass with iron post.
- Cont. over level desert land.
- 62.91 The cor. of Tps. 9 and 10 S., R. 13 W., monumented by an iron post,  $2\frac{1}{2}$  ins. diam., set, mkd. and witnessed as described in the official record. This cor. will now function as the cor. of Tps. 9 and 10 S., Rs. 12 and 13 W. and was remarked

## Survey, Portion of S. Bdy., T. 9 S., R. 12 W.

Chains

T98  
R13W R12W  
S36 | S31  
S 1 | S 6.  
T108  
1951-60

Land, mountainous, E. portion; level flats, W. portion.  
Soil, gravelly and ledgy in mountains, clay on flats.  
Timber, scattered juniper on hills.  
Undergrowth, shadscale.

## Survey of a Portion of the Subdivision of T. 9 S., R. 12 W.

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

N. 0° 03' W., bet. secs. 32 and 33.

Over mountainous desert land of Dugway Range; desc. gentle N. slope.

4.50 Top of abrupt descent, bears W. and NE.; desc. 400 ft. over ledgy NW. 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., 10 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T9S R12W  
 $\frac{1}{4}$   
S32 | S33  
1960

Desc. 60 ft. over NW. slope.

67.90 Wash, 2 ft. deep, 20 lks. wide, drains W.; desc. 20 ft. along W. slope.

76.50 Wash, 3 ft. deep, 20 lks. wide, drains SW.; cont. along W. 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., 10 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T9S R12W  
S29 | S28  
S32 | S33  
1960

Land, broken.  
Soil, gravel, ledgy S. portion.  
Timber, few junipers on hills.  
Undergrowth, shadscale and black brush.

From the cor. of secs. 31 and 32 on the S. bdy. of the Tp.

N. 0° 03' W., bet. secs. 31 and 32.

Over broken mountainous desert land of Dugway Range; desc. 880 ft. over ledgy N. slope, by triangulation.

35.50 Base of steep descent, bears W. and NE.; desc. 30 ft. over NW. slope; end triangulation.

## Survey, Portion of Subdivis T. 9 S R. 12 W.

Chains

- 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., 24 ins. in the ground, with brass cap mkd.
- T9S R12W  
 $\frac{1}{4}$   
S31 | S32  
1960
- Desc. 20 ft. over gentle NW. slope.
- 73.50 Bulldozed road, bears NE. and SW.
- 78.50 Road, bears NE. and SW.
- 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 and in a collar of stone, with brass cap mkd.
- T9S R12W  
S30 | S29  
S31 | S32  
1960
- Land, broken S. portion, rolling N. portion.  
Soil, gravel and rocks, S. portion; clay, N. portion.  
Timber, none.  
Undergrowth, shadscale and black brush.
- 
- From the cor. of secs. 28, 29, 32 and 33.  
N.  $89^{\circ} 49'$  W., bet. secs. 29 and 32.  
Over rolling desert land; desc. 10 ft. over W. slope.
- 17.40 Rise, bears N. and S.; desc. 170 ft. over W. slope.
- 39.95 Point for the  $\frac{1}{4}$  sec. cor. of secs. 29 and 32.  
Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.
- T9S R12W  
S29  
 $\frac{1}{4}$  S32  
1960
- Desc. 15 ft. over W. slope.
- 47.50 Wash, 2 ft. deep, 30 lks. wide, drains NW.; desc. 70 ft. over gentle W. slope.
- 74.30 Road, bears NE. and SW.
- 78.60 Road, bears NE. and SW.
- 79.90 The cor. of secs. 29, 30, 31 and 32.  
Land, rolling.  
Soil, clay with gravel spots on E. portion  
Timber, none.  
Undergrowth, shadscale.

## Township 9 South, Range 12 West

Chains

## General Description

The north half of T. 9 S., R. 12 W. lies within the Dugway Proving Grounds and consists of level land of the Great Salt Lake Desert. The south half of the township consists mostly of mountainous desert land on the north end of the Dugway Range.

There are two main roads which follow around the east and west base of the mountains and enter the Dugway Proving Grounds. Several branch roads lead to mines in the hills. None of these mines were active at time of survey.

The timber consists of scattered juniper in the hills and the undergrowth is mostly shadscale and black brush. The soil is gravelly and rocky in the hills with clay on the flats.

No permanent water was noted during the survey.

Change

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**Page**



# CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 9th day of May, I have ~~surveyed~~ independently resurveyed a portion of the south boundary and surveyed a portion of the south boundary and a portion of the subdivision of T. 9 S., R. 12 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

March 15, 1961

  
Craig P. Sylvester, Cadastral Surveyor

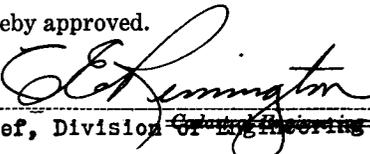
## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
 Washington, D. C., APR 2 1962, 19

The foregoing field notes of the ~~survey of~~ dependent resurvey of a portion of the south boundary and the survey of a portion of the south boundary and a portion of the subdivision of T. 9 S., R. 12 W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester, Cadastral Surveyor

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

  
Chief, Division of 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  
DEPENDENT RESURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 1 SOUTH, RANGE 1 EAST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Fred R. Chappell, Cadastral Surveyor

Under special instructions dated March 13, 1958, which provided

for the surveys included under Group No. 423, approved March 13, 1958

and assignment instructions dated March 20, 1958

Survey commenced April 29, 1958

Survey completed April 29, 1958

# INDEX DIAGRAM

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## Township 1 South, Range 1 East

## Chains

The north boundary or Base Line, the west three miles and 73.70 chains, were surveyed by Frederick H. Burr in 1856. That line was resurveyed and the Base Line completed through R. 1 E. by Julien Bausman in 1869.

The west boundary or Salt Lake Meridian, was surveyed by Frederick H. Burr in 1856, and resurveyed by Julien Bausman in 1869.

The south one-half mile of the east boundary of section 12 was surveyed by Ferdinand Dickert in 1882. That line was resurveyed and the remainder of that boundary was resurveyed by Augustus D. Ferron in 1884. The north three miles were resurveyed by Augustus D. Ferron in 1891. The east boundary of section 24 was retraced by Andrew P. Hanson in 1902. The entire boundary was resurveyed by Howard W. Miller in 1926 under group No. 160.

South boundary: The west  $4\frac{1}{2}$  miles were surveyed by Frederick H. Burr in 1856. The west  $\frac{1}{2}$  mile of the south boundary of section 35 was resurveyed; and the east  $\frac{1}{2}$  mile of the south boundary of section 35, and the west  $\frac{1}{2}$  mile of the south boundary of section 36 were resurveyed by George Y. M. Boutelle in 1872. The south boundary of section 35 and the west  $\frac{1}{2}$  mile of the south boundary of section 36 were resurveyed; and the east  $\frac{1}{2}$  mile of the south boundary of section 36 was surveyed by Stewart M. Pancake in 1884. The south boundary of sections 35 and 36 was resurveyed by Augustus D. Ferron in 1891.

Subdivision: Sections 4 to 10, 15 to 22 and 27 to 34, inclusive, and portions of sections 3, 11, 14, 23, 26 and 35, were surveyed by Frederick H. Burr in 1856. Sections 4 to 10 and a portion of section 11 were resurveyed, and portions of sections 2 and 11 were surveyed by Julien Bausman in 1869. The survey of section 35 was completed and the west half of section 36 was surveyed by George Y. M. Boutelle in 1872. A portion of sections 2 and 11 was resurveyed and portions of sections 1, 2, 11 and 12 were surveyed by Ferdinand Dickert in 1882. The east two ranges of sections were resurveyed and surveyed by Stewart M. Pancake in 1884.

The following field notes are those of a dependent resurvey of those section lines, and the subdivision of sections necessary to mark the boundary of the Wasatch National Forest, in this township.

The survey was initiated at the official request of the U. S. Forest Service because of the advanced obliteration of the marks, and the need for the accurate marking of the forest boundary for proper administration of their lands.

Before restoring the corners, the lines of the original survey were retraced, and diligent search made for any evidence of the original corners and other calls of the original field record. When duly identified the corner positions were remonumented.

The rules of proportionate measurement were applied in order to ascertain the position of lost corners, after completing the necessary retracements to connect with the identified corner locations, but not until exhausting every reasonable possibility of finding direct evidence for the control of each corner. The true lines, thus adjusted to identify original evidence, were then duly run.

The survey was executed with W. & L. E. Gurley transit No. 541327, being the 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 the vertical circle has one double vernier. The horizontal verniers of the transit are graduated to 30" of arc. All other verniers of the transit and solar attachment are graduated to single minutes of arc. 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.

## Township 1 South, Range 1 East

## Chains

The directions of the lines 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. 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.

Dependent Resurvey of the North Boundary of Sec. 36, T. 1 S., R. 1 E.

Reestablishment of the survey executed by Stewart M. Pancake in 1884.

Beginning at the cor. of secs. 25, 30, 31 and 36, monumented by an iron post; 2 ins. diam., firmly set, mkd. and witnessed as described in the official record.

S.  $89^{\circ} 13'$  W., bet. secs. 25 and 36.

Desc. 510 ft. over steep NW. slope, through dense scrub oak, mixed with small maple trees.

19.965 Point for the E.  $\frac{1}{16}$  sec. cor. of secs. 25 and 36, at proportionate dist.

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.

E  $\frac{1}{16}$   $\frac{S25}{S36}$   
1958

Cont. to desc. 140 ft. over NW. slope.

25.30 Track road, on curve from SW. to NW.; cont. to desc. 20 ft. over NW. slope.

26.40 Wash, 10 lks. wide, 2 ft. deep, drains S.  $85^{\circ}$  W.; asc. 40 ft. over SW. slope.

32.25 Spur, projecting SW.; desc. 75 ft. over SW. slope.

36.60 Slope changes to W.; desc. 80 ft. over steep W. slope along crest of spur.

39.93 The  $\frac{1}{4}$  sec. cor. of secs. 25 and 36, monumented by a limestone boulder, 12x6x6, mkd. with  $\frac{1}{4}$  on the N. face.

At the cor. point.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 18 ins. in the ground, with brass cap mkd.

T1S R1E  
 $\frac{1}{4}$   $\frac{S25}{S36}$   
1958

Dependent Resurvey, N. Bdy., of Sec. 36, T. 1 S., R. 1 E.

Chains

Deposit original cor. stone alongside post.

This survey was terminated at this cor.

#### General Description

That portion of T. 1 S., R. 1 E., which was surveyed under the foregoing field notes lies on the steep west slope of the Wasatch Mountains. The drainage consists of small washes and small intermittent streams draining generally west. The soil of the area is mostly sandy silt, which supports dense groves of scrub oak mixed with maple, scattered sagebrush, buckbrush and a good growth of grasses.

There are a number of housing subdivisions now under construction in the area and it appears that in a short time all the land outside the Wasatch National Forest Boundary will be used for home sites.

Department of Revenue, Maryland, 1938

Chains

Options

Deposited by the taxpayer...

This entry was corrected...

Interest received...

THIS ENTRY WAS CORRECTED BY THE TAXPAYER... THE CORRECTION WAS MADE BY DEBITING THE ACCOUNT AND CREDITING THE ACCOUNT...

THE CORRECTION WAS MADE BY DEBITING THE ACCOUNT AND CREDITING THE ACCOUNT...



## CERTIFICATE OF CADASTRAL ENGINEER

I, Fred R. Chappell, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 13th day of March, I have ~~surveyed~~ resurveyed the E. ½ mile between sections 25 and 36, T. 1 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; 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.

May 20, 1960

Salt Lake City, Utah

*Fred R. Chappell*

Fred R. Chappell - Cadastral Surveyor

### CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., AUG 2 1961, 19  

The foregoing field notes of the ~~survey of~~ resurvey of the E. ½ mile between sections 25 and 36, T. 1 S., R. 1 E., Salt Lake Meridian, Utah

executed by Fred R. Chappell, Cadastral Surveyor

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

### CERTIFICATE OF TRANSCRIPT

~~I certify that the foregoing transcript of the field notes of the above described surveys in~~  
~~\_\_\_\_\_ is a true copy of the original field notes.~~

~~Cadastral Engineering Staff Officer.~~

4-678  
(September 1948)

R566

409

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF A PORTION OF THE NORTH BOUNDARY

AND A PORTION OF THE

SUBDIVISIONAL LINES OF SECTION 2

AND A

SURVEY OF A PORTION OF THE

SUBDIVISIONAL LINES OF SECTION 2

TOWNSHIP 2 NORTH, RANGE 18 EAST

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Woodrow H. Sylvester, Cadastral Surveyor

Under special instructions dated May 19, 1960, which provided

for the surveys included under Group No. 444, approved June 28, 1960

and assignment instructions dated September 16, 1960

Survey commenced September 21, 1960

Survey completed September 23, 1960

# INDEX DIAGRAM

Township 2 North, Range 18 East

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

Township 2 North, Range 18 East

Chains

The north boundary of T. 2 N., R. 18 E. was surveyed by A. D. Ferron in 1878. The north five miles of the west boundary and a portion of the subdivisional lines were surveyed by Adolphe Jessen in 1893. The east boundary of the township was surveyed by Andrew Nelson and Ralph W. Hodge in 1923.

The following field notes are those of a dependent resurvey of the north and west boundaries and the north half of the east boundary of section 2, and the survey of the south boundary and south half of the east boundary of section 2, T. 2 N., R. 18 E.

The survey was undertaken as an administrative measure to accommodate phosphate lease application Utah 032111, as provided for under Regulation 43 CFR 196.9 and BLM Manual Volume 6 2.6.13b(1) and 2.6.16b.

The survey was executed with W. and L. E. Gurley transits, serial Nos. 541409 and 570628, both being the property of the Bureau of Land Management, and constructed in accordance with their standard specifications. The horizontal plates have two double opposite verniers graduated to 30 minutes of arc, and the vertical circles have one double vernier graduated to single minutes. The instruments were in good adjustment and prior to the beginning of the field work were examined and the errors eliminated. They were maintained in good adjustment during the survey.

The directions were determined by direct solar method, and the measurements were made with Lufkin steel tapes, 8 chains in length, graduated to one tenth link for the first 10 links and each link for the next 90 links, and thereafter at intervals of 10 links. The tapes were tested by comparison with a one chain standard tape and found correct. All measurements made on the slope had the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents only are entered in the field note record.

The lines were established by the following direct solar observations: September 23, 1960, at the corner of sections 2, 3, 34 and 35, Tps. 2 and 3 N., R. 18 E., latitude 40° 56' 28" N., longitude 109° 51' 19" W., I make a series of six altitude observations upon the Sun for azimuth, three each with telescope in direct and reversed positions, and observe the horizontal angle from a peg driven firmly in the ground, 10 chains easterly and in an easterly direction from the Sun.

Time of observation (105th Meridian Standard Time)	8h 40m A.M.
Mean observed vertical angle	26° 07'
Mean horizontal angle - clockwise	26° 23'
Declination of the Sun	0° 14' 11" S.
True bearing from set up to stake	N. 89° 08' 30" E.

The geographic position of the southeast corner of section 2 is latitude 40° 55' 45" N., longitude 109° 51' 17" W., as scaled from U. S. Geological Survey map (Marsh Peak, Utah-Wyo.) made in 1927 by E. M. Douglas.

The mean magnetic declination is 16° 30' E.

Dependent Resurvey of North Boundary, Sec. 2, T. 2 N., R. 18 E.

Reestablishment of the survey executed by A. D. Ferron in 1878.

Beginning at the cor. of secs. 1, 2, 35 and 36, mkd. by a stone 2x8x10 ins., firmly set in the ground, with a mound of stone to the N., recognized by local people as original cor.

At the cor. point

Dependent Resurvey of North Boundary, Sec. 2, T. 2 N., R. 18 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd:

T2N R18E  
 S35 S36  
 S2 S1  
 T2N  
 1960

Bury old cornerstone alongside iron post.

S. 89° 45' W., along N. bdy. of sec. 2.

Over low rolling hills, through sagebrush and grass.

15.98 Irrigation ditch, drains N. 60° E.

32.66 Power line, bears N. 15° E. and S. 15° W.

40.73 The ¼ sec. cor. of secs. 2 and 35, mkd. by a large sandstone, on pile of stone, at S. foot of sandstone ledge, recognized by local people as original cor.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, in a mound of stone to top, with brass cap mkd.

T2N R18E  
 S35  
 S2  
 T2N  
 1960

Bury original cornerstone alongside iron post.

S. 89° 20' W., beginning new measurement.

2.83 Road to ranch, bears N. 70° E. and S. 70° W.

3.33 NW. cor. of shed, bears S. 15° 44' E., 2.56 chs.

3.33 NE. cor. of ranch house, bears S. 1° 03' W., 4.24 chs.

3.65 Fair sized spring, bears N. 20° E. 9 chs.

21.34 Barbed wire fence, bears N. 70° E. and S. 70° W.

22.04 Dirt road, bears N. 70° E. and S. 70° W.

39.33 Dry wash, drains S.

39.83 The cor. of secs. 2, 3, 34 and 35, mkd. by a stone, 9x11x12 ins., firmly set, with 4 notches on W. and 2 notches on E. faces.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T2N R18E  
 S34 S35  
 S3 S2  
 T2N  
 1960

Bury old cornerstone alongside iron post.

Dependent Resurvey of North Boundary, Sec. 2, T. 2 N., R. 18 E.

Chains

Land, low, rolling hills;  
Soil, loam and gravel.  
Vegetation, sagebrush and scattered grass.

Dependent Resurvey of W. Bdy. and N. 1/2 of E. Bdy., Sec. 2 of T. 2 N., R. 18 E.

Reestablishment of the survey executed by Adolph Jensen in 1893.

From the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 1 and 2.

Desc. gradual S. slope, through sagebrush, barbed wire fence at pt. 10 lks. E., bears S.

9.57 Lodgepole Creek, 10 ft. deep, 90 lks. wide, drains N. 50° E.; end of barbed wire fence at point 10 lks. E.

10.49 Dry wash, 4 ft. deep, 15 lks. wide, drains N. 50° E.; thence asc. 250 ft. over NW. slope.

15.37 Barbed wire fence, bears N. 10° E. and S. 10° W.

20.47 Barbed wire fence, bears N. 10° W. and S. 10° E.

31.76 Dry wash, 10 ft. deep, 50 lks. wide, drains W.

40.00 Point for the 1/4 sec. cor. of secs. 1 and 2, located at record dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T2N R18E

S2 | S1

1960

Land, steep NW. slope on S. 30 chs.; remainder gradual S. slope.  
Soil, loam and gravel.  
Vegetation, sagebrush and bunch grass.

From the cor. of secs. 2, 3, 10 and 11, mkd. by a stone, 8x10x20 ins. firmly set, with five grooves on the S. and two on the E. faces.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, in a mound of stone to top, with brass cap mkd.

T2N R18E

S3 | S2

S10 | S11

1960

Bury old cornerstone alongside iron post.

N. 0° 11' W., bet. secs. 2 and 3.

Desc. 20 ft. over N. slope through thick lodgepole pine.

Dependent Resurvey of W. Bdy. and N.  $\frac{1}{2}$  of E. Bdy., Sec. 2 of T. 2 N., R. 18 E.

Chains

- 1.00 Bottom of canyon, drains N. 70° E.; thence asc. 300 ft. over SE. slope; leave lodgepole pine and enter sagebrush and bunch grass.
- 12.03 Top of ridge, bears E. and W.; thence desc. 770 ft. over steep N. slope.

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- 38.70 Bottom of slope.
- 38.85 The  $\frac{1}{4}$  sec. cor. of secs. 2 and 3, mkd. by a stone, 3x13x22 ins., with  $\frac{1}{4}$  grooved on W. face, firmly set by fence intersection; fences bear N. 70° E. and W. 70° E.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 3/4 in. in the ground, with brass cap mkd.

T2N R18E

§ 33

1960

Bury old corner stone alongside iron post.

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N. 0° 20' W., beginning new measurement.

Asc. gradual S. slope.

- .40 Dirt road, bears E. and W.
- 3.00 Lodgepole Creek, 12 ft. deep, 120 lks. wide, drains N. 70° E.; thence asc. S. slope.
- 8.08 Top of steep slope; thence over gradual S. slope.
- 28.66 Small pond, 1 ch. W. from line.
- 30.04 Dirt road, bears N. 70° E. and S. 70° W.
- 39.96 The cor. of secs. 2, 3, 34 and 35.

Land, S.  $\frac{1}{4}$  mile steep mountain slopes, N.  $\frac{1}{4}$  mile gradual N. slope. Soil, loam, gravel and rocks. Vegetation, sagebrush, mountain shrubs and bunch grass.

Survey of Portion of Subdivision of T. 2 N., R. 18 E.

- From the cor. of secs. 2, 3, 10 and 11.
- East, bet. secs. 2 and 11, along steep N. slope, through thick lodgepole pine and fir trees.
- 17.00 Ridge, bears N. 50° E.; thence desc. 500 ft. down steep E. slope.
- 29.00 Bottom of canyon where Lucerne Valley Canal drains N.; thence asc. 300 ft. over steep W. slope, through sagebrush, juniper and bunch



Chains

GENERAL DESCRIPTION

The land within the portion of T. 2 N. R. 13 E. which is section 2, exclusively, was partially a reserve and partially an original survey, and is composed of a small valley and rolling hills in the northern portion and steep mountains in the southern portion. The drainage in general is in a northerly direction. Lodgepole Creek enters three chains north of the  $\frac{1}{4}$  section corner of sections 2 and 3 and leaves 10 chains south of the section corner of sections 1, 2, 35 and 36. Lucerne Canal enters the section 11 chains west from the  $\frac{1}{4}$  section corner of sections 2 and 11 and drains north to intersect Lodgepole Creek.

There is a ranch in the north portion of the section. The ranch house and corral are located just south of the north  $\frac{1}{4}$  section corner of section 2. An improved dirt road comes in from the north, a branch going to the ranch house, the main road going through the northeast corner of the section, then southerly just outside the west boundary of the section.

The soil is loam in the valley and loam, gravel and rocks in the mountains, with thick undergrowth of forest in the mountains and cultivated in the valley.

The elevation varies from 8500 feet in the mountains to 7500 feet in the valley.

There are phosphate deposits under lease in the south portion of section 2.



CERTIFICATE OF CADASTRAL ENGINEER

I, Woodrow H. Sylvester, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 19th day of May, 1961,

I have ~~surveyed~~ made a dependent resurvey of portions of the north boundary and subdivis-  
divisional lines, and a survey of a portion of the subdivisional lines of T. 2 N.,  
R. 18 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  
January 13, 1961

*Woodrow H. Sylvester*  
Woodrow H. Sylvester  
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., JUN 29 1961, 1961

The foregoing field notes of the ~~survey of~~ dependent resurvey of portions of the north boundary and subdivisional lines, and survey of a portion of the subdivisional lines of T. 2 N., R. 18 E., Salt Lake Meridian, Utah

executed by Woodrow H. Sylvester, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

*Chief, Division of Cadastral Engineering.*  
Cadastral Engineering Staff Officer

I CERTIFY that the foreg pt of the field notes of the above-described surveys in T. 2 N., R. 18 E., SLM, Utah, is a true copy of the o eld notes.