

Volume

#

R0567

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY AND SURVEY

OF

A PORTION OF THE SOUTH BOUNDARY

AND A

PORTION OF THE SUBDIVISION

OF

TOWNSHIP 29 SOUTH, RANGE 19 EAST

Of the SALT LAKE Meridian,

in the State of UTAH

EXECUTED BY

Carl S. Swanholm, Cadastral Surveyor

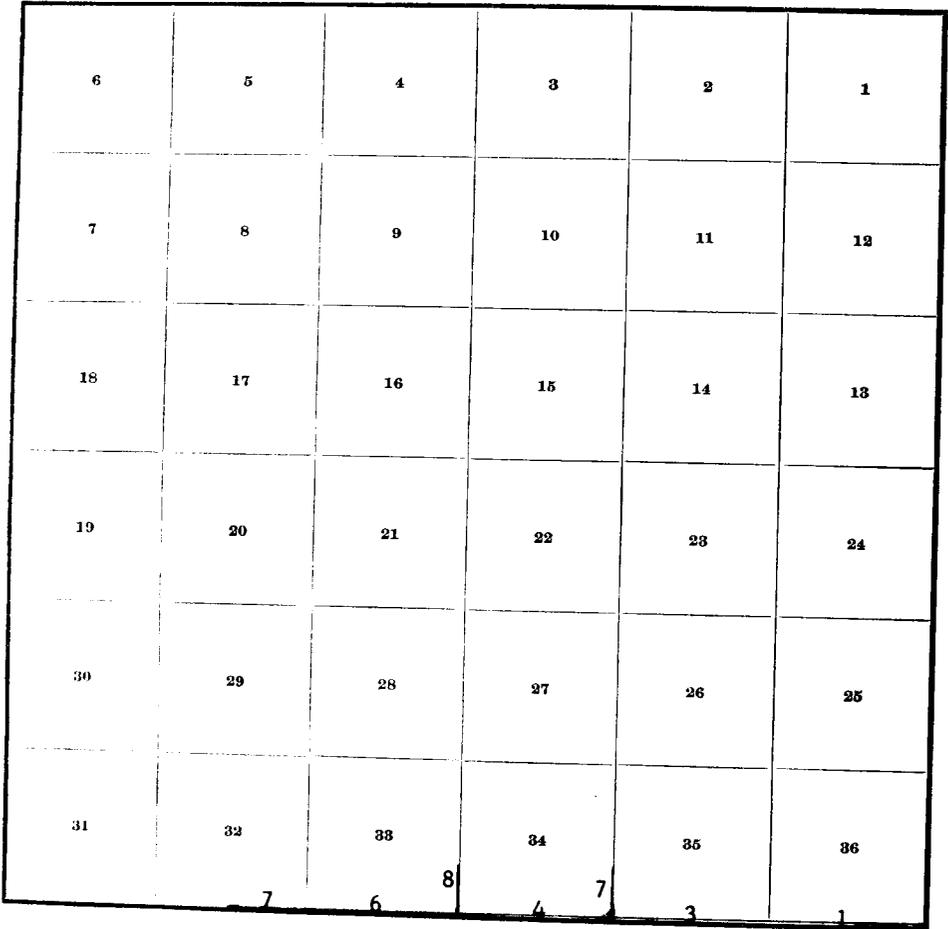
Under special instructions dated August 27, 1927, which provided
for the surveys included under Group No. 187, approved September 22, 1927
and assignment instructions dated October 13, 1928

Survey commenced November 11, 1928

Survey completed December 4, 1928

INDEX DIAGRAM

Township 29 South, Range 19 East



Chains

The east boundary and the east 37.12 chains of the south boundary of T. 29 S., R. 19 E. of the Salt Lake Meridian, Utah, were surveyed by Robert C. Yundt and C. F. Moore in 1927 and are described in the field notes of the survey of T. 29 S., R. 20 E. and T. 29 S., R. 20 E., respectively. The north boundary was surveyed by Andrew Nelson in 1954 and is described in the field notes of the survey of T. 28 S., R. 19 E. The following field notes are those of a dependent resurvey and survey of a portion of the south boundary and survey of a portion of the subdivision of T. 29 S., R. 19 E.

The survey was executed with Buff and Buff solar transit No. 9883, being the property of the General Land Office, and constructed in accordance with their standard specifications. The instrument has full vertical circles and improved type solar attachment. The horizontal plate has two double verniers placed opposite to each other and the vertical circle has one double vernier. All verniers of the transit and solar attachment are graduated to single minutes of arc. The instrument was in good adjustment and prior to beginning the field work was examined and all errors eliminated. The instrument was maintained in good adjustment during the survey.

The directions of the lines of the survey were determined by reference to true meridians established on line by hour angle observations on Polaris; the lines were carried forward as transit lines and checked by succeeding observations.

Measurements were made with Lalle steel ribbon tapes, five 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 others by traverses and offsets. The details of these were thoroughly verified and only the true line distances returned in the notes.

The geographic position of the southeast corner of the township, determined as scales from a reliable Geological Survey topographic map is latitude 38° 13' 44" N. and longitude 109° 46' 13" W.

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

Dependent Resurvey of Portion of South Boundary, T. 29 S., R. 19 E.

Reestablishment of the survey executed by R. C. Yundt and C. F. Moore in 1927.

Beginning at the cor. of Tps. 29 S., Rs. 19 and 20 E., mkd. by an iron post, 3 ins. diam., conforming to the record.

Thence W. along the S. bdy. of T. 29 S., R. 19 E., and with the establishment of cors. for T. 29 S., R. 19 E., at regular intervals W. from the cor. of Tps. 29 S., Rs. 19 and 20 E.

Over broken desert land, through scattered timber; desc. 45 ft. along SW. slope.

- 5.50 Head of draw, drains SW.; asc. 55 ft. over E. slope.
- 20.10 Sandstone spur, projects SW.; desc. 60 ft. over W. slope.
- 30.40 Draw, drains N.; asc. 20 ft. over E. slope.
- 32.50 Low spur, projects N.; desc. 20 ft. over NW. slope.

Dependent Resurvey of Portion of South Boundary, T. 29 S., R. 19 E.

- 37.12 The closing cor. of Tps. 29 $\frac{1}{2}$ S., Rs. 19 and 20 E., mkd. by an iron post 3 ins. diam., conforming to the record.
- Thence on original survey with continuous measurement.
- 37.23 Previous wash at bend, drains N. 80° W. from NE.
- 40.00 Point for the $\frac{1}{2}$ sec. cor. of sec. 36, T. 29 S., R. 19 E. falls in the bottom of a wash draining N. 20° W.
- 41.00 Point selected for the witness $\frac{1}{2}$ sec. cor. of sec. 36.
- Set an iron post, 36 ins. long, 1 in. diam., 30 ins. in the ground, with brass cap mkd.

MC 536
1928

from which

A juniper, 2 ins. diam., bears N. 75° 45' E., 64 lks. dist., mkd. MC $\frac{1}{2}$ S36 BT.

A juniper, 6 ins. diam., bears N. 72° 15' W., 243 lks. dist., mkd. MC $\frac{1}{2}$ S36 BT.

Asc. 80 ft. over E. slope.

- 53.90 Spur, projects N. 10° E.; desc. 75 ft. over W. slope.
- 60.00 Draw, drains N. 15° E.; asc. 70 ft. over E. slope.
- 67.00 Sandstone spur, projects N. 20° E.; desc. 40 ft. over NW. slope.
- 71.30 Draw, drains N. 30° E.; asc. 80 ft. over SE. slope.
- 77.12 Point for the $\frac{1}{2}$ sec. cor. of sec. 36, T. 29 $\frac{1}{2}$ S., R. 19 E.

Set an iron post, 36 ins. long, 1 in. diam., over a cross (X) cut in solid sandstone, in a mound of stone, 4 ft. base to top, with brass cap mkd.

S36
1928

from which

A sandstone ledge, bears S. 74° E., 21 lks. dist., mkd. X B0 S36.

A scrubby juniper, bears S. 79° 30' W., 59 lks. dist., mkd. BT.

Asc. 36 ft. over SE. slope.

- 77.00 Point for the cor. of secs. 35 and 36, T. 29 S., R. 19 E.
- Set an iron post, 36 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground in solid rock, in a mound of stone, 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd.

T29S R19E
S35/S36
S36
T29 $\frac{1}{2}$ S R19E
1928

from which

Survey of a Portion of the South Boundary of T. 29 S., R. 19 E.

- Chains
 - A point on the SE. face of a vertical ledge, bears N. 47° 15' W., 24 lks. dist., mkd. X 80 S35.
 - A juniper, 12 ins. diam., bears N. 78° 45' E., 241 lks. dist., mkd. T29S R19E S36 BT.
- Land, broken desert with a general NE. exposure and drainage. Soil, shallow loose sand with exposed and eroded sandstone. Timber, widely scattered scrub juniper. Undergrowth, scant black brush, mountain rush, grass and weeds.

- Neat, along the S. bdy. of sec. 35, T. 29 S., R. 19 E. Over broken desert land, through scattered timber; asc. 80 ft. over broken E. slope.
- 3.70 Spur, projects NE.; desc. 120 ft. over NW. slope.
- 5.60 Bottom of box canyon, drains N., boxes 2.00 chs. S.; asc. 180 ft. over E. slope.
- 14.50 Sandstone spur, projects NW.; desc. 150 ft. along SW. slope.
- 36.96 Point selected for the witness cor. of secs. 35 and 36, T. 29½ S., R. 19 E.
 - Set an iron post, 36 ins. long, 2 ins. diam., over a cross (X) cut in solid sandstone, in a mound of stone, 4 ft. base to top, with brass cap mkd.
 - | | | |
|--|------------|--|
| | T29S R19E | |
| | WC S35 | |
| | S35 S36 | |
| | T29½S R19E | |
| | 1928 | |
 - from which
 - A pinon, 5 ins. diam., bears S. 73° E., 10 lks. dist., mkd. WC T29½S R19E S36 BT.
 - A point on the sandstone surface rock, bears S. 50° 45' W., 34 lks. dist., mkd. S35 X 80.
- 37.12 True point for the cor. of secs. 35 and 36 falls on a steep SW. slope of sandstone slickrock where the cor. cannot be perpetuated.
- 40.00 Point for the ¼ sec. cor. of sec. 35, T. 29 S., R. 19 E.
 - Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground to solid rock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
 - | | | |
|--|-------|--|
| | ¼ S35 | |
| | 1928 | |
 - from which
 - A point on the SW. face of a sandstone ledge 3 ft. above ground, bears N. 72° 30' E., 27 lks. dist., mkd. ¼ S35 X 80.
 - A point on the SW. face of a sandstone ledge, 1½ ft. above ground, bears N. 7° W., 22 lks. dist., mkd. ¼ S35 X 80.
- Desc. 490 ft. over ledgy W. slope.
- 53.30 Trail bears N. 10° W. and S. 10° E.
- 54.80 Draw, drains N.; asc. 40 ft. over E. slope.
- 67.40 Spur, projects NE., thence along a N. slope

Survey of a Portion of the South Boundary of T. 29 S., R. 19 E.

Chains
77.12

Point for the $\frac{1}{4}$ sec. cor. of sec. 35, T. 29 S., R. 19 E.

Set an iron post, 36 ins. long, 1 ins. diam., 4 ins. in the ground to solid rock, in a large mound of stone, with brass cap mkd.

$\frac{1}{4}$ S35
1928

Deposit a sandstone, 9x9x5 ins., mkd. with a cross (X) at base of post.

80.00

Point for the cor. of secs. 34 and 35.

Set an iron post, 36 ins. long, 2 ins. diam., 6 ins. in the ground to solid rock, in a large mound of stone, with brass cap mkd.

T29 S R19 E
S34 | S35
S35
T29 S R19 E
1928

Deposit a sandstone, 10x5x5 ins., mkd. with a cross (X) at base of post.

Land, broken desert, with a general NE. exposure and drainage.
Soil, shallow loose sand with exposed broken and eroded sandstone.
Timber, widely scattered scrub juniper and pinon.
Undergrowth, scant black brush, shadscale and weeds.

West, along the S. bdy. of sec. 34,

Over broken desert land, through widely scattered timber; desc. 80 ft. along a broken N. slope.

9.80

Draw, drains N.; asc. 220 ft. along a general N. slope.

25.00

Spur, projects N. 20° W.; desc. 240 ft. over broken W. slope.

31.00

Draw, drains N.; asc. 200 ft. over ledgy E. slope.

37.00

Spur, projects N. 10° E.

37.12

Point for the cor. of secs. 34 and 35.

Set an iron post, 36 ins. long, 2 ins. diam., 12 ins. in the ground to solid rock, in a large mound of stone, with brass cap mkd.

T29 S R19 E
S34 | S35
S34 | S35
T29 S R19 E
1928

Deposit a sandstone, 9x9x4 ins., mkd. with a cross (X) at base of post.

Desc. 50 ft. over NW. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of sec. 34, T. 29 S., R. 19 E.

Set an iron post, 36 ins. long, 1 in. diam., 24 ins. in the ground to solid rock, in a large mound of stone, with brass cap mkd.

$\frac{1}{4}$ S34
1928

Desc. 280 ft. over broken NW. slope.

56.30

Point selected for the witness meander cor. of secs. 34.

Set an iron post, 36 ins. long, 1 in. diam., 30 ins. in the ground, with brass cap mkd.

Chains

T29S R19E
W34/S34
T29S R19E
1928

from which

A box elder, 6 ins. diam., bears N. 28° 15' E., 37 lks. dist., mkd. WMC T29S R19E-S34-BT

A box elder, 5 ins. diam., bears S. 43° W., 3 lks. dist., mkd. WMC T29S R19E-S34-BT

56.93 The left bank of the Colorado River, course SW., and true point for the meander cor. of secs. 34, which is subject to overflow at extreme high-water and a permanent cor. cannot be set.

Then by triangulation across the Colorado River.

66.11 Right bank of river.

Point for the meander cor. of secs. 34 falls on land that is subject to overflow at extreme high water and where a permanent cor. cannot be set.

66.33 Point selected for the witness meander cor. of secs. 34.

Set an iron post, 36 ins. long, 1 in. diam., 30 ins. in the ground, with brass cap mkd.

T29S R19E
S34/WC
S34/MC
T29S
1928

from which

A point on the SW. face of a vertical sandstone ledge bears N. 54° E., 11 lks. dist., mkd. S34 X 20.

Asc. 500 ft. over a series of vertical ledges facing SE.

75.00 Spur, projects NE.

77.12 Point for the 1/4 sec. cor. of sec. 34, T. 29 S., R. 19 E.

Set an iron post, 36 ins. long, 1 in. diam., over a cross (X) cut in solid sandstone, in a large mound of stone, with brass cap mkd.

S34
1928

Desc. 40 ft. along a broken N. slope.

80.00 Point for the cor. of secs. 33 and 34, T. 29 S., R. 19 E.

Set an iron post, 36 ins. long, 2 ins. diam., 12 ins. in the ground to solid rock, in a large mound of stone, with brass cap mkd.

T29S R19E
S33/S34
S34
T29S R19E
1928

Deposit a sandstone, 10x10x4 ins., mkd. with a cross (X) at the base of the post.

Survey of a Portion of the South Boundary of T. 29 S., R. 19 E.

Chains

Land, badly broken desert land.
Soil, shallow loose sand with exposed broken and eroded sandstone.
Timber, a few widely scattered dwarf juniper and pinon.
Undergrowth, scant black brush, mountain rush, shadscale, cacti and grass.

West, along the S. bdy. of sec. 33, T. 29 S., R. 19 E.

Over broken desert land, through scattered timber and scant undergrowth, thence along a broken N. slope.

23.60 Side hill draw, drains N. asc. 80 ft. along a NE. slope.
37.12 Point for the cor. of secs. 33 and 34, T. 29 S., R. 19 E.

Set an iron post, 36 ins. long, 2 ins. diam., 1 1/2 ins. in the ground to solid rock, in a large mound of stone, with brass cap mkd.

T29S R19E

S33

S33 S34

T29 1/2 S R19E

1928

from which

A juniper, 6 ins. diam., bears S. 87° 45' E., 19 lks., dist. mkd. S34 BT.

A flat sandstone boulder, 4 ft. above ground, bears S. 31° 45' W., 16 lks. dist., mkd. S33 X B0.

Asc. 30 ft. over a NE. slope.

40.00 Point for the 1/4 sec. cor. of sec. 33, T. 29 S., R. 19 E.

Set an iron post, 36 ins. long, 1 in. diam., over a cross (X) cut in solid sandstone, in a large mound of stone, with brass cap mkd.

1/4 S33

1928

Deposit a sandstone, 9x9x5 ins., mkd. with a cross (X) at the base of the post.

Asc. 480 ft. over a ledgy NE. changing to E. slope.

55.00 Spur, projects N. 10° E.; desc. 280 ft. over a broken W. slope.

68.90 Bottom of canyon, drains N. and heads 5.00 chs. S.; asc. 150 ft. over a broken NE. slope.

77.12 Point for the 1/4 sec. cor. of sec. 33, T. 29 S., R. 19 E.

Set an iron post, 36 ins. long, 1 in. diam., 8 ins. in the ground to solid rock, in a large mound of stone, with brass cap mkd.

1/4 S33

1928

79.00 Spur, projects N.

80.00 Point for the cor. of secs. 32 and 33, T. 29 S., R. 19 E.

Survey of a Portion of the South

Chains

Set an iron post, 36 ins. long, 2 ins. diam., 10 ins. in the ground to solid rock, in a large mound of stone, with brass cap mkd.

T29S R19E

~~S32E33~~

~~S33~~

T29S R19E

0 M

1928

Land, broken desert.

Soil, shallow loose sand with a large portion of exposed broken and eroded sandstone.

Timber, widely scattered dwarf juniper and pinon.

Undergrowth, scant black brush, mountain rush, cacti and grass.

West, along the S. bdy. of sec. 32.

Over broken desert land, through scattered timber and scant undergrowth; desc. 180 ft. over a broken N. changing to NW. slope.

10.50 Bottom of canyon, drains N.; asc. 180 ft. over broken NE. slope.

29.70 Spur, projects N.; desc. 100 ft. over W. slope.

36.20 Draw, drains N. 30° W.; asc. 10 ft. over NE. slope.

37.12 Point for the cor. of secs. 32 and 33, T. 29½ S., R. 19 E.

Set an iron post, 36 ins. long, 2 ins. diam., 12 ins. in the ground to solid rock, in a large mound of stone, with brass cap mkd.

T29S R19E

~~S32E33~~

~~S33~~

T29S R19E

1928

Asc. 30 ft. over E. slope.

40.00 Point for the ¼ sec. cor. of sec. 32, T. 29 S., R. 19 E.

Set an iron post, 36 ins. long, 1 in. diam., 10 ins. in the ground to solid rock, in a large mound of stone, with brass cap mkd.

¼ S32

1928

Land, broken desert.

Soil, shallow loose sand with exposed and eroded sandstone.

Timber, widely scattered juniper and pinon.

Undergrowth, scant black brush, shadscale, mountain rush, grass and weeds.

Survey of a Portion of the Subdivision of T. 29 S., R. 19 E.

Beginning at the cor. of secs. 34 and 39 on the S. bdy. of the Tp., mkd. by an iron post, 2 ins. diam., previously set, witnessed and described:

N. 0° 01' W., bet. secs. 34 and 35.

Over broken desert land, through scattered timber and medium undergrowth; desc. 300 ft. over laddy N. slope.

of a Portion of the Subdivision of T₂₉ S₁₉ E₁₉.

Chains

6.80

Left bank of the Colorado River, course W. Point for the meander cor. of secs. 34 and 35.

Set an iron post, 36 ins. long, 1 in. diam., over a cross (X) cut in solid sandstone, in a large mound of stone, with brass cap mkd.

S34 | S35

T29S R19E

MC

S34 | S35

T29S R19E

1928

Thence by triangulation across the river.

11.84

Right bank of river.

Point for the meander cor. of secs. 34 and 35, falls on land subject to overflow where a permanent cor. cannot be set.

Asc. 50 ft. over a broken S. slope.

12.91

Point selected for the witness meander cor. of secs. 34 and 35.

Set an iron post, 36 ins. long, 1 in. diam., 12 ins. in the ground to solid rock, in a large mound of stone, with brass cap mkd.

T29S R19E

S34 | S35

WMC

1928

Deposit a sandstone mkd. with a cross (X) at the base of the post.

Land, badly broken desert.

Soil, shallow loose sand with exposed broken and eroded sandstone.

Timber, scattered juniper and pinon.

Undergrowth, medium black brush, mountain rush, cacti and grass.

Beginning at the cor. of secs. 33 and 34 on the S. bdy. of the Tp., mkd. by an iron post, 2 ins. diam., previously set, witnessed and described.

N. 0° 02' W., bet. secs. 33 and 34.

Over badly broken desert land, through widely scattered timber and scant undergrowth; desc. 330 ft. over ledgy N. slope.

10.52

Point selected for the witness meander cor. of secs. 33 and 34.

Set an iron post, 36 ins. long, 1 in. diam., over a cross (X) cut in solid sandstone, in a large mound of stone, with brass cap mkd.

WMC

S33 | S34

T29S R19E

1928

10.67

Right bank of the Colorado River, course E., and true point for the meander cor. of secs. 33 and 34, falls on the face of a nearly vertical ledge where the cor. cannot be perpetuated.

Thence by triangulation across the river.

17.65

Left bank of river and point for the meander cor. of secs. 33 and 34 falls on the face of a nearly vertical sandstone wall, where the

Survey of a Portion of the Subdivision of T. 29 S., R. 19 E.

Chains

cannot be perpetuated.

Asc. 40 ft. over ledges facing S.

18.09

Point selected for the witness meander cor. of secs. 33 and 34.

Set an iron post, 36 ins. long, 1 in. diam., over a cross (X) cut in solid sandstone, in a large mound of stone, with brass cap mkd.

T29S R19E

S33|S34

WMC

1928

Land, badly broken desert.

Soil, shallow loose sand with exposed broken and eroded sandstone.

Timber, widely scattered juniper and pinon.

Undergrowth, scant black brush, mountain rush, cacti and grass.

General Description

The land in the township is mostly badly broken desert along the breaks of the Colorado River. The township is cut by numerous steep sided and box canyons.

Drainage is all into the Colorado River, which enters the township in the southeast portion of section 1 and flows southward leaving the township 20.00 chains east of the corner of sections 33 and 34 on the south boundary of the township.

The soil is principally a shallow loose sand with a large amount of exposed broken and eroded sandstone. There is a widely scattered growth of dwarf juniper and pinon over most of the township. The undergrowth is mainly black brush with lesser amounts of shadscale, mountain rush, yellow top, cacti, grass and weeds. There are no permanent inhabitants in the township.

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Philander Maxwell	Chairman
Wilson McConkie	Chairman
Edger Hayes	Flagman
DeVere Pollock	Cornerman
Jess Morgan	Axeman

CERTIFICATE OF CADASTRAL ENGINEER

I, Fred R. Chappell, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 27th day of August, 1927, ~~wherein~~ Carl S. Swanholm dependently resurveyed and surveyed a portion of the south boundary, and surveyed a portion of the subdivision of Township 29 South, Range 19 East,

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by Carl S., Swanholm his ~~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

August 17, 1959

Fred R. Chappell

Fred R. Chappell, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAY 25 1961, 19

The foregoing field notes of the ~~survey~~ resurvey and survey of a portion of the south boundary and the survey of a portion of the subdivision of T. 29 S., R. 19 E., SLM, Utah

executed by Carl S. Swanholm, Cadastral Surveyor

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

Donald O. Clemon
Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

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

~~_____ , is a true copy of the original field notes.~~

~~_____ Cadastral Engineering Staff Officer.~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY OF A PORTION OF THE SOUTH BOUNDARY

AND A

PORTION OF THE SUBDIVISION

AND THE

MEANDERS OF THE COLORADO RIVER THROUGH SECTION 34

OF

TOWNSHIP 29½ SOUTH, RANGE 19 EAST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Carl S. Swanholm, Cadastral Engineer

Under special instructions dated August 27, 1927, which provided
for the surveys included under Group No. 187, approved September 22, 1927
and assignment instructions dated October 13, 1928.

Survey commenced November 11, 1928.

Survey completed November 30, 1928.

INDEX DIAGRAM

Township $29\frac{1}{2}$ South , Range 19 East

6	5	4	3	2	1
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19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
			3	2	1

Chains

The east boundary of T. 29½ S., R. 19 E. of the Salt Lake Meridian, Utah was surveyed by Charles F. Moore and Robert C. Yundt in 1927 and is described in the notes of the survey of T. 29½ S., R. 20 E. The north boundary is being surveyed concurrently under this group and is described in the notes of the survey of T. 29 S., R. 19 E. The following field notes are those of a survey of a portion of the south boundary, a portion of the subdivision and the meanders of the Colorado River through section 34.

The survey was executed with a Buff and Buff solar transit No. 9983, being the property of the General Land Office, and constructed in accordance with their standard specifications. The instrument has full vertical circles and improved type solar attachment. The horizontal plate has two double verniers placed opposite to each other, and the vertical circle has one double vernier. All verniers of the transit and solar attachment are graduated to single minutes of arc. The instrument was in good adjustment, and prior to the beginning of the field work it was examined and all errors eliminated. The instrument was maintained in good adjustment during the survey.

The direction of the lines of the survey was determined by reference to true meridians established on line by hour angle observations on Polaris. The lines were carried forward as transit lines and checked by succeeding observations.

The measurements were made with Lalle steel ribbon tapes, 5 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.

The geographic position of the southeast corner of the township, scaled from a reliable Geological Survey topographic map, is as follows: Latitude 38° 12' 50" North and Longitude 109° 46' 24" West.

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

Survey of a Portion of the South Boundary of T. 29½ S., R. 19 E.

Beginning at the cor. of Tps. 29½ and 30 S., Rs. 19 and 20 E., mkd. by an iron post, 3 ins. diam., conforming to the record.

Thence

West, bet. secs. 1 and 36,

Over broken desert land; asc. 60 ft. along rocky N. slope.

6.90 Top of sandstone ledge.

12.00 Leave sandstone ledge; desc. 30 ft. over broken mesa top.

17.75 Head of small draw, drains SW.; road bears SE. and W.

Part of a Portion of the ... of T. 23 S. R. 10 E.

Chains

35.35

Trail, bears SW. and NE.

37.85

Ridge, bears N. 60° E. and S. 60° W. desc. 10 ft. over NW. slope.

40.00

Head of draw, drains N. and point for the 1/4 sec. cor. of secs. 1 and 36.

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

S36

S1

1928

from which

A juniper, 8 ins. diam., bears N. 26° 30' W., 230 lks. dist., mkd. S36 BT.

A juniper, 10 ins. diam., bears S. 60° 30' W., 326 lks. dist., mkd. S1 BT.

Asc. 55 ft. over E. slope.

48.90

Trail, bears NW. and SE.

56.50

Top of ridge, bears N. and S.; desc. 40 ft. over W. slope.

80.00

Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 36 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T29 S R19 E

S35 S36

S2 S1

T30 S R19 E

1928

from which

A scrubby juniper, bears N. 66° 30' E., 133 lks. dist., mkd. BT.

A juniper, 10 ins. diam., bears S. 26° 30' E., 280 lks. dist., mkd. T30 S R19 E S1 BT.

A juniper, 6 ins. diam., bears S. 37° 30' W., 137 lks. dist., mkd. T30 S R19 E S2 BT.

A juniper, 7 ins. diam., bears N. 48° 30' W., 172 lks. dist., mkd. T29 S R19 E S35 BT.

Land, broken desert. Soil, rocky clay with exposed sandstone. Timber, scattered dwarf juniper and pinoh. Undergrowth, scant black brush, mountain rush, shadscale, cacti and grass.

West, bet. secs. 2 and 35.

Over broken desert land, through scattered timber and scant undergrowth; desc. 20 ft. over W. slope.

.80

Draw, drains S.; asc. 60 ft. over gentle E. slope.

Section of the ... R. 19 E.

Chains	
19.00	Mesa, bears N. and S.; desc. 20 ft. over gentle W. slope.
40.00	Point for the sec. cor. of secs. 2 and 35
	Set an iron post, 36 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to solid rock, in a mound of stone, 4 1/2 ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> $\begin{matrix} \text{AEB} \\ \text{E 8} \\ \text{1921} \end{matrix}$ $\begin{matrix} \times \\ \text{S35} \\ \text{S 2} \\ \text{1928} \end{matrix}$ </div>
	from which
	A pinon, 5 ins. diam., bears S. 3° E., 26 lks. dist., mkd. 1/2 S2 BT.
	A juniper, 8 ins. diam., bears N. 23° 15' W., 128 lks. dist., mkd. 1/2 S35 BT.
40.20	Drawy drains N. asc. 25 ft. over N. slope.
44.90	Rocky ridge, bears N. and S.; desc. 100 ft. over W. slope.
76.90	Head of canyon, drains S.; asc. 30 ft. over E. slope.
80.00	Point for the cor. of secs. 2, 3, 34 and 35 falls on steep sandstone slope where the cor. cannot be perpetuated; therefore, at a point N. 0° 07' W., 9 lks. dist., for witness cor.
	Set an iron post, 36 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to solid rock, in a mound of stone, 4 1/2 ft. base to top, with brass cap mkd.
	<div style="text-align: center;"> $\begin{matrix} \text{T29 1/2 S R19E} \\ \text{S34 S35} \\ \text{S3 S2} \\ \text{W C} \end{matrix}$ </div>
	<div style="text-align: center;"> $\begin{matrix} \text{T208 S R19E} \\ \text{1928} \end{matrix}$ </div>
	from which
	A juniper, 8 ins. diam., bears N. 24° 15' E., 153 lks. dist., mkd. T29 1/2 S R19E S35 BT.
	A juniper, 6 ins. diam., bears S. 62° 30' E., 215 lks. dist., mkd. S2 BT.
	A juniper, 8 ins. diam., bears S. 61° 45' W., 75 lks. dist., mkd. T308 R19E S37 BT.
	A juniper, 6 ins. diam., bears N. 30° 0' W., 159 lks. dist., mkd. T29 1/2 S R19E S34 BT.
	<p>Land, broken desert mesa.</p> <p>Soil, sandy with exposed sandstone.</p> <p>Timber, medium to scattered juniper and pinon.</p> <p>Undergrowth, medium black brush, shadscale, cacti and grass.</p>
	West, bet. secs. 3 and 34.
	Over broken desert land, through scattered timber and scant undergrowth; asc. 60 ft. over broken E. slope.
10.20	Sandstone spur, projects 9. 10° E.; desc. 260 ft. over broken S.E. slope.

Survey of a Portion of the South Boundary of T. 29 $\frac{1}{2}$ S., R. 19 E.

Chains

23.10

Draw, drains S. 40° W.; asc. 150 ft. along a broken SE. slope.

40.00

Point for the cor. of secs. 3 and 34.

Set an iron post, 36 ins. long, 1 in. diam., 16 ins. in the ground to solid rock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

$\frac{1}{2}$ S34
S 3
1928

Asc. 140 ft. over ledgy SE. slope.

44.30

Sandstone spur, projects S.; desc. 250 ft. over broken SW. slope.

54.50

Base of steep descent, enter gently rolling land.

75.00

Leave rolling land; desc. 120 ft. over steep rocky SW. slope.

80.00

Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 36 ins. long, 2 ins. diam., 12 ins. in the ground to solid rock, in a mound of stone, 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd.

T29 $\frac{1}{2}$ S R19E
S33 | S34
S4 | S3
T30S R19E
1928

Deposit a limestone, 6x6x7 ins., mkd. with a cross (X) at base of post.

Land, badly broken desert.

Soil, sandy clay with broken and eroded exposed sandstone.

Timber, scattered juniper and pinon.

Undergrowth, scant black brush, shadscale, mountain rush, cacti and grass.

Survey of a Portion of the Subdivision of T. 29 $\frac{1}{2}$ S., R. 19 E.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., mkd. by an iron post, previously set, mkd. and witnessed as previously described.

N. 0° 06' W., bet. secs. 35 and 36.

Over broken desert land, through scattered timber and scant undergrowth; desc. 15 ft. along W. slope.

2.50

Draw, drains S. 20° W.; asc. 40 ft. over S. slope.

13.10

Ridge, bears S. 80° W. and N. 80° E.; bend in unimproved road, bears E. and N. 30° E.; desc. 120 ft. over N. slope.

23.20

Draw, drains NW.; asc. 100 ft. over SW. slope.

27.60

Sandstone spur, projects N. 70° W.; desc. 110 ft. over NE. slope.

34.70

Draw, drains N. 70° W.; asc. 60 ft. over SW. slope.

35.80

Sandstone spur, projects N. 60° W.; desc. 70 ft. over N. slope.

E. E. R. Survey of the Colorado River, T. 29 S., R. 19 E.

40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 35 and 36 on the N. bdy. of the Tp., in a mound of stone, 3 ft. base to top, with brass cap
48.00	Bottom of box canyon, 3.00 chgs wide, drains W.; desc. 160 ft. over broken S. slope.
53.80	Sandstone spur, projects N. 70° W. for 350 ft. over broken N. slope.
60.80	Undergrowth, scant brush, shadscale, mountain rush and grass.
62.00	Same road, bears S. 80° W. and N. 80° E.
63.00	Bottom of canyon drains N. 80° W. for 290 ft. over broken S. slope.
73.00	Sandstone spur, projects W.; desc. 140 ft. over N. slope.
76.90	Draw, drains W.; asc. 90 ft. over S. slope.
82.26	True point for the cor. of secs. 35 and 36 on the N. bdy. of the Tp., which is monumented by an iron post, 2 ins. diam., as described in the field notes of T. 29 S., R. 19 E., surveyed concurrently under this same group.
	From the true point for the cor. of secs. 35 and 36, the $\frac{1}{2}$ sec. cor. of sec. 35, T. 29 S., R. 19 E., bears W. 2.88 chs. dist. and is monumented by an iron post, 1 in. diam., as described in the field notes of T. 29 S., R. 19 E., surveyed concurrently under this same group.
	Land, broken desert Soil, sandy clay with broken and eroded sandstone. Timber, scattered juniper and pinon. Undergrowth, scant brush, shadscale, mountain rush and grass.
10.00	Ridge, bears NW and desc. 220 ft. over N. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 34 and 35 on the N. bdy. of the Tp., in a mound of stone, 3 ft. base to top, with brass cap

82

... of a Portion of the Subdivision of T. 29 S., R. 19 E.

Chains	<p>Set an iron post, 36 ins. long, 1 in. diam., 14 ins. in the ground to solid rock, in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd. ...</p> <p style="text-align: center;">S34 S35 1928</p> <p style="text-align: center;">888 888</p> <p>Desc. 50 ft. along E slope.</p>
44.30	Wash in hollow, drains N. 5° W.; thence along a N. slope.
55.50	Wash, drains N. 20° E.; desc. 170 ft. along a NE slope.
82.16	<p>The cor. of secs. 34 and 35, on the N. bdy. of the Tp., mkd. by an iron post, 2 1/2 ins. diam., conforming to the record.</p> <p>From this point the 1/2 sec. cor. of sec. 34, T. 29 S., R. 19 E. bears W. 2.88 chs. dist. and is monumented by an iron post, 1 1/2 in. diam., as described in the field notes of T. 29 S., R. 19 E., surveyed concurrently under this same group.</p> <p>Land, broken desert.</p> <p>Soils, sandy clay with broken and eroded exposed sandstone.</p> <p>Timber, scattered juniper and pinon.</p> <p>Undergrowth, scant black brush, shadescale, cacti and grass.</p>
2.50	<p>Beginning at the cor. of secs. 33, 34 and 35 on the S. bdy. of the Tp.</p> <p>Thence</p> <p>N. 0° 02' W., bet. secs. 33 and 34.</p> <p>Over broken desert land, through scattered timber; asp. 150 ft. over ledges facing SW.</p>
13.89	Point selected for the witness meander cor. of secs. 33 and 34.
2.50	<p>Set an iron post, 36 ins. long, 1 in. diam., 30 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">WC MC S33 S34 T29 S. R. 19 E. 1928</p>
14.66	Raise a mound of stone, 3 ft. base, 2 ft. high, S. of iron post.
27.56	Left bank of the Colorado River, course S. 35° W. and true point for the meander cor. of secs. 33 and 34, falls on a steep slope where the cor. cannot be perpetuated.
28.33	Right bank of river through broken desert. <p>Point for the meander cor. of secs. 33 and 34 falls on the steep face of a limestone rim where the cor. cannot be perpetuated.</p>
28.33	Point selected for the witness meander cor. of secs. 33 and 34. <p>Set an iron post, 36 ins. long, 1 in. diam., 20 ins. in the ground to solid rock, in a mound of stone, 3 ft. base to top, with brass cap mkd.</p>

... of a Portion of the Subdivision of T. 29 S., R. 19 E.

Chains

field notes of T. 29 S., R. 19 E., surveyed concurrently under this same group.

Land, broken bottom land subject to overflow at extreme high water. Soil, sandy silt with sandstone boulders. Timber, scattered box elder and cottonwood. Undergrowth, medium river brush and willows and grass.

From the true point for the meander cor. of secs. 33 and 34, on the right bank of the Colorado River,

Its witness cor., mkd. by an iron post 1 in. diam. previously set and described, bears N. 09° 02' W., 77 lks. dist.

Thence upstream with the meanders of the right bank of the river in sec. 34.

Over broken bottom land, through medium river brush and willows.

N. 33° 30' E., 31.00 chs. N. 47° 45' E., 19.50 chs.

N. 50° 56' E., 24.85 chs. The true point for the meander cor. of secs. 33 and 34, from which its witness bears W. 22 lks. dist., mkd. by an iron post, 1 in. diam. as described in the field notes of T. 29 S., R. 19 E., surveyed concurrently under this same group.

Land, broken bottom land subject to overflow at extreme high water. Soil, sandy silt with sandstone boulders. Timber, scattered box elder and cottonwood. Undergrowth, medium river brush and willows and grass.

General Description

The land in the township is mostly badly broken desert, cut by numerous steep-sided and box canyons. A narrow strip along the south boundary drains south into Salt Creek, which drains northwest into the Colorado River in section 33, and the balance of the township drains into the Colorado River, which flows through the northwest portion of section 34.

The soil is principally a shallow sandy clay with a considerable amount of exposed, broken and eroded sandstone.

There is a scattered growth of dwarf juniper and cottonwood over most of the township, with scattered box elder and cottonwood along the river. Undergrowth is mainly black brush, with lesser amounts of shadscale, mountain rush, cacti, yellow top, weeds and grass.

There are no permanent inhabitants within the township.

4-680
(Feb., 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Philander Maxwell	Chairman
Wilson Mc Conkie	Chairman
Edger Hayes	Flagman
De Vere Pollock	Cornerman
Jess Morgan	Packer

CERTIFICATE OF CADASTRAL ENGINEER

I, Fred R. Chappell, HEREBY CERTIFY upon honor that, in
 pursuance of special instructions bearing date of the 27th day of August, 1927
~~wherein~~ Carl S. Swanholm surveyed a portion of the south boundary, a
portion of the subdivision and the meanders of the Colorado River through section
34 in Township 29½ South, Range 19 East

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

Salt Lake City, Utah
April 23, 1959

Fred R. Chappell
Fred R. Chappell
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C., MAY 25 1961, 19

The foregoing field notes of the survey of a portion of the south boundary, a portion
of the subdivision and the meanders of the Colorado River through section 34 in
T. 29½ S., R. 19 E.

executed by Carl S. Swanholm, Cadastral Surveyor
 having been critically examined and found correct, are hereby approved.

Donald Clement
Donald Clement
Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

That the foregoing transcript of the field notes of the survey of T. 29½ S., R. 19 E., SIM, 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 A PORTION OF THE NORTH BOUNDARY OF T. 35 S., R. 2 E.,

INDEPENDENT RESURVEY

OF A PORTION OF THE SOUTH BOUNDARY

AND THE SURVEY

OF A PORTION OF THE EAST BOUNDARY

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 34 SOUTH, RANGE 2 EAST

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

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

Boyd S. Owens, Cadastral Surveyor

Under special instructions dated March 31, 19 59, which provided

for the surveys included under Group No. 428, approved April 21, 1959

and assignment instructions dated May 13, 19 59

Survey commenced June 12, 19 59

Survey completed June 17, 19 59

INDEX DIAGRAM

Township 34 South, Range 2 East

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Township 34 South, Range 2 East

Chains

The boundary of the Powell Division of the Dixie National Forest, from mile post 14 to mile post 23, or a portion of the west boundary and a portion of the subdivisional lines, were surveyed by John P. Walker in 1904. The south boundary was surveyed by William Lewman in 1893.

The following field notes are those of the dependent resurvey of the east three and one-half miles; the independent resurvey of the west two and one-half miles of the south boundary; and the survey of a portion of the east boundary and a portion of the subdivisional lines of T. 34 S., R. 2 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

In the course of the dependent resurvey, before restoring the corners, a search was made for any evidence of the corners and accessories called for in the original field note record. The original corners were then remonumented to function for T. 35 S., R. 2 E., and lost corners were reestablished by proportionate measurement. New corners were established from the east at regular intervals to refer to T. 34 S., R. 2 E. only. As no subdivision was based on the west two and one-half miles of this boundary, corners were established west on the latitudinal curve at regular intervals to function for T. 34 S., R. 2 E. only.

The survey was executed with W. & L. E. Gurley solar transit No. 541331 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 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are 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 $37^{\circ} 48' 00.6''$ N. and longitude $111^{\circ} 37' 21.8''$ W. as adjusted from traverses to U. S. G. S. triangulation station Escalante Rm, located in section 31, T. 35 S., R. 3 E.

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

Dependent Resurvey, N. Bdy., T. 35 S., R. 2 E.

Chains

Dependent Resurvey of the North Boundary of T. 35 S., R. 2 E.

Reestablishment of the survey executed by William Lewman in 1893.

Beginning at the cor. of Tps. 34 and 35 S., Rs. 2 and 3 E., an iron post, 2½ ins. diam., set, mkd. and witnessed, resurveyed concurrently and described in the field notes of T. 34 S., R. 3 E.

S. 89° 51' W., along the N. bdy. of sec. 1, T. 35 S., R. 2 E., with establishment of corners at regular intervals W. for T. 34 S., R. 2 E.

Over mountainous land; asc. 40 ft. over SE. slope.

- 1.30 Spur, slopes S.; desc. 80 ft. over broken W. slope.
- 5.10 Wash, 1.00 ch. wide, 2 ft. deep, drains irregularly S.; asc. 70 ft. over nearly vertical canyon wall facing E.
- 6.30 Top of wall; asc. 120 ft. over rolling E. slope, through heavy scrub timber.
- 21.00 Spur, slopes SE.; desc. 50 ft. over broken SW. slope.
- 26.30 Gully, drains S.; cont. over rolling land, moderate timber.
- 32.90 East rim of canyon, bears irregularly NW. and SE.; desc. 90 ft. over broken ledges, facing W.
- 34.90 Wash, 50 lks. wide, 2 ft. deep, drains irregularly SE.; asc. 90 ft. over broken ledgy E. slope.
- 38.20 W. rim of canyon, bears irregularly NW. and SE.; thence along rolling NE. slope.
- 39.46 Point for the ¼ sec. cor. of sec. 1, as determined by proportionate measurement. There is no remaining evidence of the original stone cor. set to function as the ¼ sec. cor. of secs. 1 and 36. This point now functions as the ¼ sec. cor. of sec. 1, T. 35 S., R. 2 E. only.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground and in a mound of stone, to top, with brass cap mkd.

T34S R2E

¼ S 1

T35S R2E

1959

- 40.00 Point for the ¼ sec. cor. of sec. 36, T. 34 S., R. 2 E.

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

T34S R2E

¼ S36

T35S R2E

1959

Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.

Asc. 80 ft.

- 53.10 Begin descent over NW. slope; desc. 20 ft.
- 60.94 Small wash, drains N. 60° E.; asc. 10 ft. over rolling SE. slope.

Dependent Resurvey, N. Ely., T. 35 S., R. 2 E.

Chains

- 63.90 Gully, drains SE.; asc. 110 ft. over SE. slope.
- 76.10 Spur, slopes SE.; cont. along S. slope.
- 78.92 The cor. originally set to function as the cor. of secs. 1, 2, 35 and 36, mkd. by a stone 20x12x10 ins., plainly mkd., lying loose upon the ground, reestablished by bearing trees.
- This cor. now functions as the cor. of secs. 1 and 2, T. 35 S., R. 2 E. only.
- At the cor. point.
- 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.
- T34S R2E
S36
S 2 | S 1
T35S R2E
1959
- Deposit original stone cor. in mound alongside iron post.
- Bearing trees in the N. quadrants defaced.
- Land, rolling, broken.
Soil, rocky, sandy loam.
Timber, moderate scrub juniper and pinon.
Undergrowth, scattered blackbrush, thimble berry, silverleaf and grass.
-
- S. 89° 44' W., along the N. bdy. of sec. 2, T. 35 S., R. 2 E.
- Over broken, mountainous land, moderate scrub pinon and juniper.
- .20 Small wash, drains SE.
- 1.08 Point for the cor. of secs. 35 and 36, T. 34 S., R. 2 E.
- 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.
- T34S R2E
S35 | S36
S 2
T35S R2E
1959
- Asc. 60 ft. over steep E. slope.
- 4.60 Old bladed road, paralleling water pipeline, bears N. 15° W. and S. 15° E.; asc. 60 ft.
- 10.10 Spur, slopes S. 15° E.; by triangulation, topography estimated, desc. about 380 ft. over broken ledges and steep slope, facing SW.
- 20.00 Small wash, drains irregularly S.; asc. 50 ft. over low spurs and gullies, putting S.
- 39.62 End of triangulation; the ¼ sec. cor., originally set to function as the ¼ cor. of secs. 2 and 35, mkd. by a sandstone, 15x8x4 ins., plainly mkd. and firmly set. This cor. now functions as the ¼ sec. cor. of sec. 2, T. 35 S., R. 2 E. only.
- At the cor. point

N. 35 S., R. 2 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T34S R2E

½ S 2

T35S R2E

Deposit original stone cor. alongside iron post.

Cor. is located on small spur sloping SW.

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

Desc. 30 ft. over exposed sandrock ledge, facing W.

1.46 Point for the ½ sec. cor. of sec. 35, T. 34 S., R. 2 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a mound of stone, 5 ft. base, to top, with brass cap mkd.

T34S R2E

½ S35

T35S

1959

Cor. is located in small wash at base of sandstone, facing W.

from which

an "XBO" chiseled in face of sandrock, bears N. 33° E.,
35 lks. dist.

Asc. 40 ft. over SE. slope.

6.60 Spur, slopes SW.; desc. 70 ft. over NW. slope.

14.40 Leave timber; cont. over bottom of Wide Hollow.

22.80 Wash in bottom of Wide Hollow, 60 lks. wide, 15 ft. deep, drains irregularly SE.; asc. 40 ft. over gentle E. slope, through moderate sage.

34.90 Enter scattered timber; asc. 30 ft.

41.46 Point for the cor. of secs. 34 and 35, T. 34 S., R. 2 E.

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.

T34S R2E

S34|S35

T35S

1959

Cont. along rolling S. slope.

42.23 The cor. originally set to function as the cor. of secs. 2, 3, 34 and 35, mkd. by a sandstone 14x10x10 ins., firmly set and plainly mkd. This cor. now functions as the cor. of secs. 2 and 3, T. 35 S., R. 2 only.

At the cor. point

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

Dependent Resurvey, N. Bdy., T. 35 S., R. 2 E.

Chains

T348

S 3 | S 2

T358 R2E

1959

Raise a mound of stone, 3 ft. base, 2½ ft. high, S. of the cor. The original stone cor. is in the mound.

Defaced bearing trees in N. quadrant.

Land, rolling, W. 60 chs.; broken, remainder.

Soil, sandy loam and rocky.

Timber, scattered to moderate scrub pinon and juniper.

N. 89° 52' W., along the N. bdy. of sec. 3.

Over rolling mountainous land; asc. 30 ft. along rolling S. slope.

6.90 Low spur, slopes S.; desc. 20 ft.

9.00 Wire fence, bears N. and S.; asc. 70 ft.

15.80 Spur, slopes S.

18.00 Small spur, slopes S.; desc. 60 ft. over rolling land, S. drainage.

36.19 Wash, 20 lks. wide, 4 ft. deep, drains S.; leave timber, asc. 10 ft. over gentle E. slope through moderate sage.

39.23 Point for the ¼ cor. of sec. 34, T. 34 S., R. 2 E.

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

T348 R2E

¼ S34

T358

1959

Deposit charcoal in hole.

40.04 The ¼ sec. cor., originally set as the ¼ sec. cor. of secs. 3 and 34, mkd. by a sandstone 6x4x4 ins., plainly mkd. and firmly set. This cor. now functions as the ¼ sec. cor. of sec. 3, T. 35 S., R. 2 E. only.

At the cor. point

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

T348 R2E

¼ S 3

T358 R2E

1959

Deposit original stone cor. in hole alongside iron post.

S. 89° 04' W., along the N. bdy. of sec. 3, beginning new measurement.

Over mountainous land; by triangulation, topography estimated, asc. gentle E. slope.

Top of ridge on N. side, T. 35 S., R. 2 E.

- Chains
- 6.00 Enter timber; asc. about 600 ft. over broken land and steep talus slope, facing E.
- 38.20 End of triangulation on E. rim of ridge, straight cliffs formation, bears N. and S.
- 38.90 The cor. originally set as the cor. of secs. 3, 4, 33 and 34, mkd. by a sandstone 18x12x6 ins., firmly set and plainly mkd. This cor. now functions as the cor. of secs. 3 and 4, T. 35 S., R. 2 E. only.

At the cor. point.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone, to top, with brass cap mkd.

T34S R2E
S34
 S 4 | S 3
 T35S R2E
 1959

Deposit original stone cor. in mound alongside iron post.

Defaced bearing trees in N. quadrants.

Land, rolling and broken.

Soil, sandy and clay loam.

Timber, scattered to moderate scrub pinon and juniper.

Undergrowth, scattered sage, buckbrush, silverleaf and grass.

N. $87^{\circ} 55'$ W., along the N. bdy. of sec. 4, T. 35 S., R. 2 E.

- .30 Point for the cor. of secs. 33 and 34, T. 34 S., R. 2 E.

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.

T34S R2E
S33 | S34
 S 4
 T35S R2E
 1959

Asc. 70 ft. over E. slope through heavy pinon and juniper.

- 5.20 Ridge top, bears N. and S.; desc. 10 ft. over broken W. slope.
- 9.40 Begin triangulation over broken land, heavy timber, W. drainage and exposure; desc. 620 ft. over broken W. slope.
- 36.20 End of triangulation on canyon rim, bears N. and S.; desc. 150 ft. over steep broken W. slope.
- 40.33 Point for the $\frac{1}{4}$ sec. cor. of sec. 33, T. 34 S. R. 2 E.
- 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 ft. base, to top, with brass cap mkd.

T34S R2E
 $\frac{1}{4}$ S33
 T35S R2E
 1959

Desc. 10 ft.

- 40.77 The $\frac{1}{4}$ sec. cor. originally set as the $\frac{1}{4}$ sec. cor. of secs. 4 and 33; mkd. by a stone 26x10x8 ins., plainly mkd. and firmly set. This cor.

Dependent Resurvey, N. Bdy., T. 35 S., R. 2 E.

Chains

now functions as the $\frac{1}{4}$ sec. cor. of sec. 4, T. 35 S., R. 2 E. 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, 4 ft. base, to top, with brass cap mkd.

T34S

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

T35S R2E

1959

Independent Resurvey of a Portion of the South Boundary of T. 34 S., R. 2 E., Superseding the Survey Executed by William Lewman in 1893

From the $\frac{1}{4}$ sec. cor. of sec. 4, T. 35 S., R. 2 E. West, along the S. bdy. of sec. 33, with establishment of cor. at regular intervals from the E. cor. of T. 34 S., R. 2 E. only. No original stone corners were found W. of the $\frac{1}{4}$ sec. cor. of sec. 4.

By triangulation, topography estimated, desc. about 30 ft. over W. slope.

- .80 Wash, 50 lks. wide, 10 ft. deep, drains S.; asc. about 100 ft. over steep slope and ledges, facing E.
- 3.30 Rim on W. side of canyon, bears N. and S.; cont. over spur projecting S.
- 14.30 Small wash, drains SE.; asc. about 70 ft. along finger spur, sloping E.
- 35.40 End of triangulation; asc. 30 ft. along NE. slope.
- 39.56 Point for the cor. of secs. 32 and 33, T. 34 S., R. 2 E.

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.

T34S R2E

S32 | S33

T35S R2E

1959

Land, rolling and broken.
Soil, sandy, clay loam and rocks.
Timber, moderate scrub pinon and juniper.

West, along the S. bdy. of sec. 32.

Over mountainous land, through moderate pinon and juniper.

Asc. 70 ft. along rolling N. slope.

- 15.30 Slope changes to NE.; asc. 70 ft.
- 19.60 Top of ascent, bears N. and S.; by triangulation, desc. 480 ft. over broken ledgy W. slope.
- 37.00 Wash, 1.00 ch. wide, 1 ft. deep, drains S.; asc. 10 ft. along SE. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 32.

Independent Resurvey, Portion of S. Bdy., T. 34 S., R. 2 E.

Chains

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.

T34S R2E

½ S32

1959

End of triangulation; asc. 30 ft. over SE. slope.

- 42.00 Point of spur, sloping from NW.; desc. 20 ft. over SW. slope.
- 44.00 Small draw, drains S. 70° E.; asc. 150 ft. over broken NE. slope.
- 48.30 Cont. by triangulation, topography estimated; asc. about 180 ft. over NE. slope.
- 60.00 Spur, slopes S. 70° E.; asc. about 10 ft. along S. slope.
- 80.00 Point for the cor. of secs. 31 and 32, T. 34 S., R. 2 E.

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

T34S R2E

S31 | S32

T35S R2E

1959

End of triangulation.

Land, rolling and broken.

Soil, sandy clay, loam and rocks.

Timber, moderate scrub pinon and juniper.

West, along the S. bdy. of sec. 31, T. 34 S., R. 2 E.

Over mountainous land, through moderate timber; asc. 20 ft. along S. slope.

- 2.30 Begin triangulation, topography estimated; desc. 20 ft. over SW. slope.
- 6.00 Small wash, near head, drains SE.; asc. about 70 ft. over E. slope.
- 8.00 Rim of ledges, bears S. and N. circling E.; asc. about 150 ft. over SE. slope.
- 19.54 End of triangulation; knoll top bears N. 50 lks. dist.; desc. 90 ft. over SW. slope.
- 29.40 E. rim of North Creek Canyon, bears N. and S.; by triangulation, desc. 460 ft. over steep broken slope and ledges, facing W.
- 40.00 True point for the ¼ sec. cor. of sec. 31 falls on face of ledge where cor. cannot be perpetuated; desc. 40 ft.
- 40.40 Point selected for the witness ¼ sec. cor. of sec. 31, T. 34 S., R. 2 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

Independent Resurvey, Portion of S. Bdy., T. 34 S., R. 2 E.

Chains

T34S R2E

1/2 S31 W

C

1959

Cor. is located 20 lks. W. of ledge.

End of triangulation; desc. 10 ft. over W. slope.

40.90 Road in bottom of North Creek Canyon, bears N. and S.; desc. 20 ft.

43.70 North Creek, 1 ch. wide, 1 ft. deep, course S., stream of good water.

Cont. by triangulation, topography estimated; asc. about 10 ft. over gentle E. slope.

46.50 Base of ledge, facing E.; asc. about 100 ft.

48.00 Spur, projects S. about 3.50 chs. to end; desc. about 100 ft. over ledges, facing SW.

53.00 Wash, 50 lks. wide, 1 ft. deep, drains SE.; asc. about 430 ft. over steep ledgy NE. slope.

73.55 Intersect the bdy. line of the Dixie National Forest at the true point for the closing cor. of Tps. 34 & 35 S., R. 2 E. True point falls on face of ledge where cor. cannot be perpetuated.

From the true point for the closing cor., the Tp. cor. of Tps. 34 and 35 S., Rs. 1 and 2 E., a 3 in. iron post conforming to the records, bears S. 6.05 chs. dist. I defaced the bearing tree in the NE. quadrant and removed the S-31 from the iron post. This cor. now functions as the cor. of Tps. 34 & 35 S., R. 1 E. only.

73.85 Point selected for the witness closing cor. of T. 34 S., R. 2 E.

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

T34S
R1E R2E
S36 | S31 W CC
S 6 C
T35S
1959

Land, rolling and broken.
Soil, sandy clay loam and rocks.
Timber, moderate scrub pinon and juniper; oak in bottom of North Creek Canyon.

Survey of a Portion of the East Boundary of T. 34 S., R. 2 E.

Beginning at the cor. of Tps. 34 and 35 S., Rs. 2 and 3 E., a 2 1/2 in. iron post, described in the field notes of the survey of the N. bdy. of T. 35 S., R. 3 E.

North, bet. secs. 31 and 36.

Over mountainous land, moderate pinon and juniper; asc. 80 ft. over steep SE. slope.

2.00 Spur, slopes S. 15° W.; asc. 20 ft. along spur.

14.10 Leave spur; asc. 10 ft. along rolling W. slope.

Survey, Portion of E. Bdy., T. 34 S., R. 2 E.

- Chains
- 21.00 Begin descent over steep NW. slope; desc. 90 ft.
- 24.60 Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. 170 ft. over steep rocky SE. slope.
- 31.20 Top of flat spur, slopes SW.; asc. 100 ft. over S. slope.
- 36.80 Rimrock, bears N. 35° E. and S. 35° E.
- 40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 31 and 36.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 16 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd.
- T34S
R2E R3E
 $\frac{1}{2}$
S36 | S31
1959
- Asc. 120 ft. over broken S. slope.
- 56.50 Top of vertical sandstone, bears E. and W.; asc. 60 ft. over S. slope through heavy timber.
- 64.30 Spur, slopes E.; desc. 50 ft. over N. slope.
- 66.80 Wash, 10 lks. wide, 2 ft. deep, drains SE.; asc. 130 ft. over S. slope.
- 77.30 Top of round knob; desc. 20 ft. over N. slope.
- 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.
- T34S
R2E R3E
S25 | S30
S36 | S31
1959
- Deposit charcoal in hole.
- Land, broken, mountainous.
Soil, sandy clay loam and rocks.
Timber, moderate pinon and juniper.

Survey of a Portion of the Subdivision of T. 34 S., R. 2 E.

- Beginning at the cor. of secs. 35 and 36, on the S. bdy. of the Tpm, a 2 $\frac{1}{2}$ ins. iron post hereinbefore described.
- N. 0° 01' W., bet. secs. 35 and 36.
- Over broken mountainous land, moderate timber; asc. 90 ft. over S. slope.
- 5.00 Spur, projects SE.; desc. 60 ft. over broken NE. slope.
- 7.70 Draw, drains SE.; asc. 100 ft. over S. slope.
- 9.30 Edge of mesa, thence over mesa top.

Survey, Portion of Subdivision, T. 34 S., R. 2 E.

Chains

- 13.80 Begin triangulation, leave mesa; desc. 175 over numerous small spurs and gullies, draining SE.
- 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., 22 ins. in the ground and in a collar of stone, with brass cap mkd.
T34S R2E
 $\frac{1}{4}$
S35|S36
1959
- End of triangulation; desc. 100 ft. over broken N. slope.
- 61.10 Wash, 30 lks. wide, 2 ft. deep, drains irregularly S. 15° E. from N. 30° E. at this point.
Asc. 30 ft. along bottom of canyon.
- 64.60 Same wash, drains from N. 25° W.; asc. 60 ft. over W. slope.
- 71.60 Slope changes to S.; asc. 150 ft.
- 78.30 Top of ascent, enter heavy timber on W. slope.
- 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.
T34S R2E
S26|S25
S35|S36
1959
- Deposit charcoal in hole.
Land, rolling and broken.
Soil, sandy clay loam and rocks.
Timber, moderate to heavy scrub pinon and juniper.
-
- From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp.
S. $89^{\circ} 48'$ W., bet. secs. 25 and 36.
- Over rolling mountainous land through moderate scrub pinon and juniper.
Desc. 20 ft. over gentle SW. slope.
- 4.70 Wash, 10 lks. wide, 1 ft. deep, drains S.; asc. 80 ft. along rolling S. slope.
- 19.20 Top of ascent; desc. 100 ft. over 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., 4 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
T34S R2E
 $\frac{1}{4}$ S25
S36
1959
- Desc. 80 ft.

Survey, Portion of Subdivision, T. 34 S., R. 2 E.

Chains	
53.80	Wash, 20 lks. wide, 4 ft. deep, drains S. 30° E.; asc. 180 ft. over rocky E. slope.
66.60	Top of spur, slopes S. 15° E.; desc. 130 ft. over W. slope.
80.13	The cor. of secs. 25, 26, 35 and 36. Land, rolling and broken. Soil, sandy clay loam and rocks. Timber, moderate scrub pinon and juniper.
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 broken mountainous land, through heavy pinon and juniper; desc. 70 ft. over N. slope.
13.74	Draw, drains SE.; asc. 220 ft. over rolling SW. slope.
32.20	Narrow spur, slopes SE.; desc. 90 ft. over broken 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., 8 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd. T34S R2E $\frac{1}{2}$ S32 S33 1959
	Cont. by triangulation, topography estimated; asc. about 30 ft. over SE. slope.
42.00	Spur, slopes NE.; desc. about 70 ft. over N. slope.
51.50	Wash, 20 lks. wide, 6 ft. deep, drains S. 70° E.; asc. about 200 ft. over broken S. slope.
74.80	End of triangulation, on S. rim of ridge; asc. 10 ft.
77.10	Top of ridge, bears E. and W.; desc. 60 ft. over NE. 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., 8 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd. T34S R2E S29 S28 S32 S33 1959
	Land, rolling and broken. Soil, sandy clay loam and rocks. Timber, moderate scrub pinon and juniper.
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 rolling mountainous land, through heavy timber; asc. 80 ft. over S. slope.

Survey, Portion of Subdivision, T. 34 S., R. 2 E.

Chains	
3.10	Spur, slopes S. 70° E.; by triangulation, topography estimated, desc. about 100 ft. over N. slope.
20.00	Wash, 30 lks. wide, 1 ft. deep, drains S. 70° E.; asc. about 100 ft. over rolling land, facing S.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 31 and 32. 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. T34S R2E S31 S32 1959
	End of triangulation; asc. 40 ft. along SE. slope.
49.70	Slope changes to rolling E.; desc. 70 ft.
65.60	Canyon rim, bears W. circling N. and SE. circling S.; desc. 120 ft. over steep N. slope.
70.50	Bottom of draw, drains E., heads about 8,00 chs. W.; asc. 40 ft. over S. slope.
74.60	Slope changes to E.; desc. 30 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., 24 ins. in the ground, with brass cap mkd. T34S R2E S30 S29 S31 S32 1959 Raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor. Land, rolling and broken. Soil, sandy clay loam and rocks. Timber, moderate scrub pinon and juniper.
	From the cor. of secs. 28, 29, 32 and 33. S. 89° 58' W., bet. secs. 29 and 32, over broken mountainous land, moderate pinon and juniper; asc. 80 ft. over NE. slope.
7.00	Top of ascent; desc. 270 ft. over broken W. slope.
28.90	Wash, 10 lks. wide, 2 ft. deep, drains S.; asc. 100 ft. over broken E. slope.
34.70	Top of ascent; desc. 20 ft. over gentle W. slope.
40.05	Point for the $\frac{1}{2}$ sec. cor. of secs. 29 and 32. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

Portion of Subdivision, T. 34 S., R. 2 E.

Chains

T34S R2E

1/4 S29

S32

1959

Desc. 20 ft.

- 46.70 Head of draw, drains SW.; asc. 20 ft. over gentle E. slope.
- 54.60 Canyon rim, bears N. and S.; by triangulation, topography estimated, desc. about 200 ft. over broken W. slope.
- 63.00 Wash, drains SW.; asc. about 150 ft. over steep ledgy SE. slope.
- 67.00 Point of spur, projects S.; desc. about 150 ft. over ledge, facing SW
- 72.00 Wash, about 40 lks. wide, 3 ft. deep, drains SE.; asc. about 150 ft. over steep E. slope.
- 80.10 The cor. of secs. 29, 30, 31 and 32.

Land, rolling and broken.

Soil, sandy clay loam and rocky.

Timber, medium dense pinon and juniper.

General Description

In T. 34 S., R. 2 E. the land is rough and broken, cut by numerous canyons rimmed by broken ledges. The main drainages are North Creek and its tributaries in the extreme west portion, Wide Hollow and its tributaries in the central portion, and a canyon of unknown name in the eastern portion. The water from Wide Hollow and North Creek is now stored in the Wide Hollow Reservoir, located in T. 35 S., R. 2 E. and used primarily for irrigation. North Creek affords good fishing and a constant water supply for stock grazing which is the primary interest within the township.

There is a medium dense growth of pinon and juniper throughout the township with Ponderosa pine being in evidence in the northern porti.

There are several uranium claims within the township, but none of proven value. No other improvements were noted.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Richard N. Brand	Principal Assistant
Max Ricketts	Rear Chainman and Notekeeper
Parley Pratt	Front Chainman
Larry Fletcher	Flagman
Almy Ray Moulton	Axeman
Richard B. Gritman	Axeman

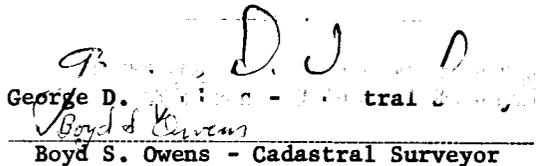
CERTIFICATE OF CADASTRAL ENGINEER

We, George D. Voorhees & Boyd S. Owens, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 31st day of March, 1959, we have ~~surveyed~~ independently resurveyed a portion of the north boundary of T. 35 S., R. 2 E.; independently resurveyed a portion of the south boundary, and surveyed a portion of the east boundary and a portion of the subdivision of T. 34 S., R. 2 E.

of the Salt Lake Meridian, in the State of Utah, which is 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

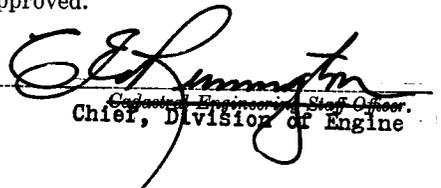
August 17, 1960


George D. Voorhees - Cadastral Surveyor
Boyd S. Owens - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., AUG 3 1961, 19

The foregoing field notes of the ~~survey of~~ independent resurvey of a portion of the north boundary of T. 35 S., R. 2 E.; the independent resurvey of a portion of the south boundary, and the survey of a portion of the east boundary and a portion of the subdivision of T. 34 S., R. 2 E., Salt Lake Meridian, Utah executed by George D. Voorhees and Boyd S. Owens, Cadastral Surveyors having been critically examined and found correct, are hereby approved.


Chief, Division of Engineering

CERTIFICATE OF TRANSCRIPT

_____, 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 NORTH BOUNDARY

AND

THE SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 34 SOUTH, RANGE 3 EAST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

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

Boyd S. Owens, Cadastral Surveyor

Donald A. Cannon, Cadastral Surveyor

Under special instructions dated March 31, 1959, which provided

for the surveys included under Group No. 428, approved April 21, 1959

and assignment instructions dated May 13, 1959

Survey commenced May 25, 1959

Survey completed June 15, 1959

INDEX DIAGRAM

Township 34 South, Range 3 East

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						5
						36

16-56770-1

Cannon _____

Owens _____

Township 34 South, Range 3 East

Chains

The south boundary was surveyed by William Lewman in 1893. A portion of the north boundary and a portion of the subdivision was surveyed by John P. Walker in 1904. The east boundary was surveyed by Andrew Nelson in 1937-39. A portion of the west boundary was surveyed concurrently with the survey of this township and can be found in the field notes of T. 34 S., R. 2 E. The south boundary was resurveyed concurrently with the survey of this township and can be found in the field notes of T. 35 S., R. 3 E.

The following field notes are those of a dependent resurvey of a portion of the north boundary and a survey of a portion of the subdivision of T. 34 S., R. 3 E., 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 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 any lost corner points. Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true line 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 in the position they would occupy if the entire township were subdivided.

The measurements were made with a narrow steel tape, eight chains in length. This tape was graduated every link for the first chain and thereafter at ten link intervals. 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. A clinometer in correct adjustment was used to determine the vertical angle of each interval measured. These slope measurements were then reduced to their horizontal equivalents which appear in these field notes. The accessible portions of all lines were determined by chaining; the length of the inaccessible lines was determined by either traverse or triangulation methods. The details of such traverses and triangulations have been thoroughly verified and, in order to simplify the record, are omitted from these field notes. Distance to topography on the inaccessible lines is as scaled from aerial photographs.

The lines of survey were carried forward by sustained angulation. The direction of these lines was determined by deflecting from meridians established at a number of stations along the surveyed lines. These meridians were established by altitude observations on the sun or hour angle observations on Polaris.

The survey was executed with W. & L. E. Gurley solar transits Nos. 540614 and 541331, both constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were maintained in precise adjustment throughout the progress of the survey.

The geographic position of the southeast corner of the township is latitude $37^{\circ} 47' 59''$ N. and longitude $111^{\circ} 30' 50''$ W. as calculated by section line traverse and a tie to U. S. C. & G. S. triangulation station Mesa, which is located in section 9, T. 34 S., R. 7 E.

The magnetic declination was read at a number of stations in the township and the average of the several readings was found to be $15^{\circ} 45'$ E.

Dependent Resurvey, Portion of N. Bdy., T. 34 S., R. 3 E.

Chains

Dependent Resurvey of a Portion of the North Boundary, T. 34 S., R. 3 E.

Reestablishment of survey of forest boundary executed by John P. Walker in 1904.

Beginning at the cor. of Tps. 33 and 34 S., Rs. 3 and 4 E., which is monumented by an iron post, 4 ins. diam., set, mkd., and witnessed as described in the official record.

S. 89° 57' W., bet. secs. 1 and 36.

Through scattered to medium timber; asc. 70 ft. along slight N. slope.

21.10 Spur, projects S. 10° E.; desc. 230 ft. over SW. slope.

39.82 The $\frac{1}{4}$ sec. cor. of secs. 1 and 36, which is monumented by a basalt stone, 6x10x24 ins., set 9 ins. in the ground, mkd. with $\frac{1}{4}$ on N. face from which the original bearing tree

A juniper, 10 ins. diam., bears S. 32° 45' E., 26 lks. dist., properly mkd.

At the cor. point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 14 ins. in the ground and in a mound of stone, 4 $\frac{1}{2}$ ft. base, to top, with brass cap mkd.

T33S R3E

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

T34S

1959

Deposit original cor. in mound of stone around iron post.

No other suitable accessories available.

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

Desc. 40 ft. along rolling S. slope.

13.40 E. rim of small gulch, a ledge about 40 ft. high, bears N. 20° W. and S. 20° E.; desc. 100 ft. over ledges facing W.

14.90 West Fork of Sand Creek, in the bottom of gulch, 8 lks. wide, 6 ins. deep, course S. 20° E.; asc. 90 ft. over ledges facing E.

16.50 W. rim of gulch, a ledge about 40 ft. high, bears N. 20° W. and S. 20° E.; asc. 200 ft. over broken E. slope.

29.10 Spur, slopes sharply NE.; desc. 10 ft. over rolling land, draining NE.

39.97 The cor. of secs. 1, 2, 35 and 36, monumented by an iron post, 4 ins. diam., set, mkd. and witnessed as described in the official record, from which the original bearing trees

A juniper, 10 ins. diam., bears S. 87° E., 31 lks. dist., properly mkd.

A pinon, 8 ins. diam., bears N. 51° W., 53 lks. dist., properly mkd.

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, scattered to medium juniper and pinon.

Dependent Resurvey, Portion of N. Bdy., T. 34 S., R. 3 E.

Chains

S. 89° 59' W., bet. secs. 2 and 35.

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

2.90 Spur, slopes N. 30° E.; desc. 100 ft. over abrupt N. slope.

9.90 Wash, 20 lks. wide, 2 ft. deep, drains N. 60° E.; asc. 210 ft. over SE. slope.

25.10 Top of ascent, slopes S.; desc. 40 ft. along rolling S. slope.

36.90 Bottom of descent, slopes S.; asc. 30 ft. over E. slope.

39.90 The $\frac{1}{4}$ sec. cor. of secs. 2 and 35, which is monumented by a sandstone 4x16x20 ins., set 5 ins. in the ground, mkd. $\frac{1}{4}$ on N. 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.

T33S R3E

 $\frac{1}{4}$ S35

S 2

T34S

1959

Deposit original cor. alongside iron post.

No other suitable accessories available.

S. 89° 56' W., beginning new measurement.

Asc. 120 ft. along rolling S. slope.

22.50 Wash, 10 lks. wide, 3 ft. deep, drains S. 70° E.; asc. 90 ft. over E. slope.

32.90 Spur, slopes S. 30° E.; desc. 20 ft. over SW. slope.

40.04 The cor. of secs. 2, 3, 34 and 35, which is monumented by an iron post 4 ins. diam., set, mkd. and witnessed as described in the official record, from which the original bearing trees

A pinon, 14 ins. diam., bears S. 22° 30' E., 49 lks. dist., properly mkd.

A pinon, 14 ins. diam., bears S. 21° 45' W., 38 lks. dist., properly mkd.

A juniper, 16 ins. diam., bears N. 20° 00' W., 36 lks. dist., properly mkd.

Land, rolling.

Soil, sandy clay with shale outcroppings.

Timber, medium juniper and pinon.

Survey of a Portion of the Subdivision of T. 34 S., R. 3 E.

Beginning at the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., a 2 in. iron post conforming to the official record.

West, bet. secs. 25 and 36, a sectional correction line.

Portion of Subdivision T. 34 S. R. 3 E.

Chains

- Over broken, mountainous land; asc. 120 ft. over steep exposed sandstone, facing SE.
- 6.40 Broken spur, slopes irregularly S.
- 7.90 Begin to desc. over slickrock, facing W.; desc. 40 ft.
- 13.60 Begin triangulation, topography estimated; desc. about 500 ft. over steep W. slope and nearly vertical canyon wall.
- 25.00 Bottom of Dead Man's Gulch, course S. 15° W.; asc. about 150 ft. over vertical canyon wall, facing E.
- 34.70 End of triangulation on spur projecting S.; desc. 20 ft. over broken SW. slope.
- 40.00 Point for the $\frac{1}{2}$ 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.

T34S R3E

$$\begin{array}{r} \frac{1}{2} \text{ S25} \\ \text{S36} \\ 1959 \end{array}$$

- Cont. by triangulation, topography estimated; desc. about 100 ft. over SW. slope and nearly vertical canyon wall.
- 46.00 Bottom of Box Canyon, drains SE.; asc. about 490 ft. over canyon wall, sandstone ribs and slope, facing NE.
- 65.70 End of triangulation; asc. 30 ft. over exposed sandstone on gentle E. slope.
- 69.70 Top of ascent; cont. along SW. slope through moderate timber.
- 80.00 Point for the cor. of secs. 25, 26, 35 and 36.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T34S R3E

$$\begin{array}{r} \text{S26} | \text{S25} \\ \text{S35} | \text{S36} \\ 1959 \end{array}$$

from which

A cedar, 6 ins. diam., bears N. 13° 58' E., 53 lks. dist., mkd. T34S R3E S25 BT.

A yellow pine, 6 ins. diam., bears S. 49° 26' E., 24 lks. dist., mkd. T34S R3E S36 BT.

Land, broken exposed sandstone, E. 70 chs.; gentle, rolling, remainder. Soil, Exposed sandstone and shallow sand. Timber, scattered scrub pinon and juniper, E. 70 chs.; moderate, remainder. Undergrowth, scattered silverleaf, sage, yellow brush, manzanita, buckbrush and grass.

Survey, Partion of Subdivision, T. 34 S., R. 3 E.,

Chains	
	S. 0° 01' E., bet. secs. 35 and 36 Over mountainous land; desc. 110 ft. over SW. slope.
9.70	Wash, 1.00 ch. wide, 1ft. deep (smooth, sandy bottom), drains SE.; asc. 130 ft. over broken NE. slope.
13.90	Spur, projects E. 70 lks, to end; desc. 100 ft. over steep SE. slope.
19.20	Small wash, drains E.; asc. 130 ft. over rolling sandstone slope, facing NE.
33.70	Top of ascent; desc. 10 ft. over broken spur, sloping irregularly SE.
38.00	Begin descent of 90 ft. over steep sandstone, facing SE.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36. Set an iron post, 15 ins. long, 1 in. diam., 8 ins. in drill hole, with brass cap mkd. T34S R3E $\frac{1}{4}$ S35 S36 1959 Desc. 60 ft. over S. slope.
43.70	Wash, 30 lks. wide, 3 ft. deep, drains SE.; asc. 120 ft. over exposed sandstone, facing NE.
48.90	Top of ascent; desc. 10 ft. over spur, projecting E.
54.90	Begin descent over exposed sandstone, facing S. through scattered timber; desc. 120 ft.
74.00	Wash, 70 lks. wide, 2 ft. deep, drains N. 70° E.; asc. 40 ft. over NW. slope.
79.52	The cor. of secs. 35 and 36, a 2½ in. iron post, described in the field notes of the survey of the N. bdy., T. 34 S., R. 3 E. Land, rolling and broken. Soil, exposed sandstone and shallow sand. Timber, moderate to scattered scrub juniper and pinon.
	From the cor. of secs. 1, 6, 7 and 12 on the E. bdy. of the Tp., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record. West, bet. secs. 1 and 12. Through medium timber; asc. 120 ft. over rolling bench land, draining E.
19.00	E. rim of mesaland, a ledge about 20 ft. high, bears N. and S.; cont. over gently rolling top of mesa.
39.80	W. rim of mesa, bears irregularly N. 80° E. and S. 60° W.; desc. 10 ft. over NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

Survey, Portion of Subdivision, T. 34 S., R. 3 E.

Chains

T34S R3E

$$\frac{S 1}{S 12}$$

1959

Desc. 70 ft. over NW. slope.

46.30 Base of descent on NW. slope; asc. 30 ft. over rolling N. slope.

63.70 Wash, 30 lks. wide, 4 ft. deep, drains N. 70° E.; asc. 70 ft. over rolling land, draining NE.

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

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

T34S R3E

$$\frac{S 2 | S 1}{S 11 | S 12}$$

1959

Land, rolling.

Soil, shallow sandy clay and exposed shale.

Timber, medium juniper and pinon.

N. 0° 08' E., bet. secs. 1 and 2.

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

3.60 Wash, near head, 20 lks. wide, 3 ft. deep, drains NE.; asc. 70 ft. over SE. slope.

17.90 Spur, slopes NE.; desc. 20 ft. over N. slope.

23.30 S. rim of small gulch, a ledge about 20 ft. high, bears E. and W.; desc. 80 ft. abruptly over N. slope.

25.80 Wash, in bottom of gulch, 10 lks. wide, 1 ft. deep, drains E.; asc. 70 ft. over abrupt S. slope.

28.40 N. rim of gulch, a ledge about 20 ft. high, bears E. and W.; asc. 40 ft. over S. slope.

33.10 Spur, slopes E.; desc. 60 ft. over N. slope.

40.00 Point for the ½ sec. cor. of secs. 1 and 2.

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.

T34S R3E

$$\frac{S 2 | S 1}{1959}$$

1959

Desc. 50 ft. over N. slope.

43.90 Wash, 2½ chs. wide, 20 ft. deep, drains E.; asc. 90 ft. over S. slope.

54.70 Spur, projects E.; desc. 120 ft. over series of small spurs and drains putting E.

79.17 The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp.

Survey, Portion of Subdivision, T. 34 S., R. 3 E.

Chains	
	<p>Land, rolling hills. Soil, sandy clay and exposed shale. Timber, medium juniper and pinon.</p>
	<p>From the cor. of secs. 1, 2, 11 and 12.</p> <p>West, bet. secs. 2 and 11.</p> <p>Through medium timber; asc. 30 ft. over rolling land, draining NE.</p>
5.90	Base of abrupt ascent, bears irregularly N. and S.; asc. abruptly 200 ft. over E. slope.
13.60	Spur, slopes sharply N.; asc. 30 ft. along broken N. slope.
23.10	Top of ascent, slopes N.; desc. 10 ft. over NW. slope.
32.20	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 11.
	<p>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$\frac{1}{2}$ ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T34S R3E W $\frac{1}{4}$ S 2 C $\frac{1}{4}$ S11 1959</p>
	By traverse and triangulation from witness $\frac{1}{4}$ cor.
32.50	Ridge, bears N. 20° W. and S. 20° E.
32.70	E. rim of Death Hollow, bears N. 20° W. and S. 20° E.; desc. about 800 ft. over ledges facing W. into Death Hollow.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11 falls on inaccessible spot on ledges facing W. into Death Hollow, where the cor. cannot be monumented.
45.00	Approximate point of bottom of descent into Death Hollow; cont. along the bottom of canyon, recrossing stream several times.
80.00	Point for the cor. of secs. 2, 3, 10 and 11, falls on inaccessible ledges facing N. into Death Hollow, where the cor. cannot be monumented.
	<p>Land, rough and broken. Soil, sand and exposed sandstone. Timber, scattered to medium juniper and pinon.</p>
	<p>N. 0° 09' E., bet. secs. 2 and 3.</p> <p>Desc. into bottom of Death Hollow over ledges facing N.</p>
2.00	Approximate location of stream in bottom of Death Hollow, 20 lks. wide 6 ins. deep, course E.; asc. about 600 ft. over ledges facing S.
12.60	E. rim of Death Hollow, bears irregularly E. and W.
12.67	Point selected for the witness cor. of secs. 2, 3, 10 and 11.
	<p>Drill an iron post, 18 ins. long, 1 in. diam., 6 ins. in sandstone surface, with brass cap mkd.</p>

Portion of Subdivision, T. 34 S. R. 3 E. W. 2

Chains	Remarks
	T34S R3E S 3 S 2 S10 S11 W C 1959
	No suitable accessories available.
	End of traverse; cont. by chaining.
	Asc. 80 ft. over S. slope.
17.10	S. edge of bench, bears irregularly E. and W.; asc. 30 ft. over rolling benchland, draining E.
35.60	Top of ascent, on low spur, slopes E.; desc. 30 ft. along rolling E. slope.
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., over cross (X) on sandstone surface and in a mound of stone, $4\frac{1}{2}$ ft. base, to top, with brass cap mkd.
	T34S R3E $\frac{1}{4}$ S 3 S 2 1959
	Cont. along E. slope.
49.70	Small drain, puts E.; asc. 140 ft. over SE. slope.
60.10	Top of ascent, slopes sharply E.; desc. 120 ft. over steeply rolling E. slope.
75.60	Wash, 20 lks. wide, 2 ft. deep, drains SE. about 2 chs. thence S.; asc. 110 ft. over SW. slope.
79.39	The cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp. Land, rolling and broken mountains. Soil, shallow sand and exposed sandstone. Timber, scattered juniper, pinon and Ponderosa Pine.
	From the cor. of secs. 32 & 33 on the S. bdy. of Tp. an iron post, $2\frac{1}{2}$ ins. d. described in the field notes of the survey of the N. bdy. of T. 35 S. R. 3 E. and surveyed concurrently with this survey.
	N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.
	Over broken, mountainous land through scattered pinon and juniper; desc. 30 ft. over N. slope.
1.10	Ravine, 60 lks. wide, 30 ft. deep, drains S. 30° W.; asc. 340 ft. over steep S. slope.
10.20	Spur, slopes S. 60° W.; asc. 10 ft.
11.40	Canyon rim, bears E. and W.; by triangulation, topography estimated, desc. about 200 ft. over sandstone ledges and slope facing NW.
24.40	Bottom of canyon, drains SW.; asc. about 230 ft. over steep, broken SE. slope.
34.80	End of triangulation on sandstone knob; desc. 100 ft. over N. slope.

Survey, Portion of Subdivision, T. 34 S., R. 3 E.

Chains	
37.10	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33. Set an iron post, 15 ins. long, 1 in. diam., 7 ins. in a drill hole in solid sandstone, with brass cap mkd. T34S R3E S32 S33 1959 Raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high W. Cont. by triangulation, topography estimated; asc. about 50 ft. along rolling broken SW. slope.
60.00	Sandstone finger spur, slopes W. Desc. about 30 ft. over NW. slope.
65.00	Draw, drains SW.; asc. about 150 ft. over broken sandstone, facing S.
75.00	Canyon rim, bears SE, curving to S. and irregularly N.; end of triangulation.
77.10	Point for the cor. of secs. 28, 29, 32 and 33 on the sectional correction line, calculated to be W. of the cor. of secs. 25, 26, 35 and 36. Set an iron post, 15 ins. long, 1 in. diam., 6 ins. in a drill hole in solid sandstone, with brass cap mkd. T34S R3E S29 S28 S32 S33 1959 Raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor. Land, broken. Soil, exposed sandstone, rocky and sandy. Timber, scattered scrub pinon and juniper. Undergrowth, scant.
	West, bet. secs. 29 and 32; on sectional correction line. Over broken, mountainous land through scrub pinon, juniper and ponderosa pine.
2.60	Canyon rim, bears N. and S.; 1.00 ch. thence SE.; by triangulation, topography estimated, desc. about 200 ft. over broken W. slope.
11.00	Bottom of canyon, drains S. about 5.00 chs., thence SW.; asc. about 170 ft. over steep broken SE. slope.
19.90	End of triangulation on broken, narrow spur, sloping SW.; desc. 280 ft. over broken ledgy NW. slope through scattered ponderosa pine.
34.80	Bottom of ravine, drains SW.; asc. 40 ft. along SE. slope.
40.01	Point for the $\frac{1}{4}$ cor. of secs. 29 and 32. Set an iron post, 36 ins. long, 1 in. diam., 4 ins. in broken sandstone and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

Survey, Portion of Subdivision, T. 34 S., R. 3 E.

CHAINS

T34S R3E

 $\frac{1}{4}$ S29

S32

1959

- 41.30 Spur, slopes, S. 70° W.; desc. 60 ft. over broken, steep W. slope.
- 44.10 Begin triangulation, topography estimated; desc. about 550 ft. over steep broken sandstone, facing W.
- 62.00 Enter moderate timber; desc. about 50 ft.
- 68.00 Pine Creek, 90 lks. wide, 1 ft. deep, drains irregularly S. 20° E.; asc. about 20 ft. over E. slope.
- 80.02 Point for the cor. of secs. 29, 30, 31 and 32.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T34S R3E

S30 | S29

S31 | S32

1959

Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Land, broken.

Soil, exposed sandstone, sandy and rocky.

Timber, scattered to moderate scrub pinon, juniper, and ponderosa pt.

S. 0° 03' E., bet. secs. 31 and 32.

Over rolling land, scattered timber.

Asc. 30 ft. over NE. slope.

- 4.70 Pine Creek road, bears N. 20° W. and S. 10° E. on curve; asc. 50 ft. over road cut, thence over nearly level bench.
- 11.80 Unimproved road, bears E. about 3.00 chs. to Pine Creek road; asc. 10 ft.
- 18.20 Enter broken land, E. drainage; asc. 40 ft.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.
- 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.
- Asc. 60 ft.
- 47.40 Spur, slopes S. 30° E.; desc. 140 ft. over small spurs and gullies putting SW.
- 73.30 Wash, 30 lks. wide, 2 ft. deep, drains irregularly SE.; asc. 100 ft. over N. slope.
- 77.03 The cor. of secs. 31 and 32, a 2½ in. iron post, described in the field notes of the N. bdy. of T. 35 S., R. 3 E., concurrently surveyed.

T34S R3E

 $\frac{1}{4}$

S31 | S32

1959

Survey, Portion of Subdivision, T. 34 S., R. 3 E.

Chains

Land, S. 59.00 chs., broken; remainder, rolling.
 Soil, sandy and rocky.
 Timber, moderate scrub pinon and juniper, S. 59 chs.; scattered,
 remainder.
 Undergrowth, moderate weeds, scattered silverleaf, buckbrush and grass.

General Description

T. 34 S., R. 3 E. is mountainous and broken. The eastern and central portions of the township are drained southerly by Death Hollow and its tributaries; and the western portion is drained southerly by Pine Creek and its tributaries. There is a stream of good water in Death Hollow and a small stream of alkali water in Pine Creek. The surface area of the township is mostly sandstone and shallow sand; the timber is mostly scrub juniper and pinon with scattered ponderosa pine.

There is a good bladed road in the bottom of Pine Creek Canyon with some land cultivation and some livestock grazing in section 32 and in the canyon and its tributaries. The major portion of the township is too rough and broken to facilitate development.

4-680
Feb., 1980)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Glen B. Hatch	Principal Assistant
Wayne DeLange	Chainman
Robert A. Pratt	Chainman
Clement J. Davis	Flagman
Gerald Stock	Axeman
Richard N. Brand	Principal Assistant
Max Ricketts	Rear Chainman and Notekeeper
Parley Pratt	Front Chainman
Larry Fletcher	Flagman
Almy Ray Moulton	Axeman
Richard B. Grittman	Axeman

CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 31st day of March, 1960, I have ~~surveyed~~ supervised the dependent resurvey of a portion of the north boundary; and the survey of a portion of the subdivision, T. 34 S., R. 3 E.

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 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
August 15, 1960

George D. Voorhees
George D. Voorhees - Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., AUG 3 1961, 1961

The foregoing field notes of the ~~survey of~~ dependent resurvey of a portion of the north boundary and the survey of a portion of the subdivision, T. 34 S., R. 3 E., Salt Lake Meridian, Utah

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

E. J. Remington
Cadastral Engineering Staff Officer,
Chief, Division of Engineers

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 34 SOUTH, RANGE 5 EAST

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 March 31, 1959, which provided

the surveys included under Group No. 428, approved April 21, 1959

and assignment instructions dated May 13, 1959

Survey commenced June 3, 1959

Survey completed June 5, 1959

INDEX DIAGRAM

Township 34 South, *Range* 5 East

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31	30 3	29	28	27	26
31	2 32	1 33	34	35	36

Township 34 South, Range 5 East

Chains

The south boundary of section 32 was surveyed by A. Nelson in 1937.

The following field notes are those of the section lines enclosing section 32, T. 34 S., R. 5 E.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true method, but for simplification of the record, the random lines are omitted from these field notes.

The measurements were made with a narrow steel tape, eight chains in length. This tape was graduated every link for the first chain and thereafter at ten link intervals. 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. A clinometer in good adjustment was used to determine the vertical angle of each interval. The slope measurements were then reduced to their horizontal equivalents, which appear in these field notes. The length of the accessible lines were determined by chaining. The length of the inaccessible lines were determined by traverse or triangulations were thoroughly verified and in order to simplify the record, are omitted from these field notes. Distance to topography on the inaccessible lines was scaled from aerial photographs.

The survey was executed with W. & 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 progress of the survey.

The lines surveyed were carried forward by sustained angulation. The direction of the surveyed lines was determined by deflecting from meridians established at a number of stations along the lines of survey. The meridians were established by altitude observations on the sun or hour angle observations on Polaris.

The geographic position for the southeast corner of section 32 is latitude $37^{\circ} 47' 59''$ N. and longitude $111^{\circ} 23' 11''$ W., as computed through section line traverse and tie from U. S. C. & G. S. triangulation station Mesa, located in section 9, T. 34 S., R. 7 E.

The magnetic declination was read at a number of stations in the section and the average of the several readings was found to be 15° E.

Survey of a Portion of the Subdivision of T. 34 S., R. 5 E.

Beginning at the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official records of the 1937 survey.

N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

Through thinly scattered timber; asc. 90 ft. along rolling W. slope.

7.60 E. edge of Deer Creek Canyon, a ledge about 150 ft. high, bears N. 20° E. and S. 20° W.; cont. measurement by traverse and triangulation.

Desc. about 150 ft. over ledge facing W.

13.00 Approximate position of Deer Creek, 30 lks. wide, 1 ft. deep, course S. 20° W.; asc. over ledge about 300 ft. high, facing E.

14.20 Approximate position of the W. edge of Deer Creek Canyon, bears E. and S. 20° W.; asc. about 300 ft. along steep sandstone E. slope.

38.90 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Drill an iron post, 16 ins. long, 1 in. diam., 6 ins. in solid sandstone and in a collar of stone, with brass cap mkd.

Survey Portion of Subdivisⁿ T. 34 S. R. 5 E.

Chains

T34S R5E
W $\frac{1}{2}$ C
S32|S33
1959.

Cont. by traverse and triangulations.

- 40.00 Pt. for the $\frac{1}{4}$ sec. cor. of secs. 32 & 33 falls on steep inaccessible Asc. about 100 ft. along steep sandstone on E. slope.
- 50.80 Approximate position of top of ascent, slopes sharply E.; desc. about 600 ft. along steep sandstone on E. slope.
- 76.80 Approximate position of the E. edge of Deer Creek Canyon, bears NW. and SE.; desc. about 200 ft. over ledges facing NE. to bottom of canyon.
- 80.00 Point for the cor. of secs. 28, 29, 32 and 33 falls on inaccessible spot on ledges, where the cor. cannot be monumented.

At a point East 9.34 chs. dist.

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

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

T34S R5E
W S29|S28
C S32|S33
1959.

Deposit mkd. stone at base of iron post.

Witness cor. of secs. 28, 29, 32 and 33, bears W., 9.34 chs. dist.

Land; broken, breaks of Deer Creek.

Soil, shallow sand and exposed sandstone.

Timber, thinly scattered juniper and pinon.

Beginning at the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp.; monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1937 survey.

N. 0° 03' W.; bet. secs. 31 and 32.

Over broken land, through thinly scattered timber.

By triangulation; asc. abruptly 480 ft. over S. slope.

- 26.91 End of triangulation in a saddle on a spur; spur projects S. 70° E. about 2 chs.; thence S.; by triangulation, asc. 30 ft. along broken E. slope.
- 41.60 End of triangulation; by return measure, desc. 30 ft. along broken E. slope.

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

T34S R5E
 $\frac{1}{4}$
S31|S32
1959

Survey, Portion of Subdivision, T. 34 S., R. 5 E.

Chains

- Asc. 30 ft. over E. slope.
- 41.30 High sandstone spur, projects E. about 2 chs. to end.
- 41.70 Begin triangulation. Desc. about 550 ft. over ledges on NE. slope.
- 60.00 Approximate position of Boulder Creek, 20 lks. wide, 1½ ft. deep, in a gulch about 1 ch. wide and 60 ft. deep, course S. 60° E.; asc. abruptly over ledge about 60 ft. high, facing S.
- 60.50 Approximate position of N. rim of gulch, bears N. 60° W. and S. 60° E.; asc. about 50 ft. over SW. slope.
- 66.46 End of triangulation, sandstone spur, slopes NW.; desc. 10 ft. over NE. slope.
- 67.35 Point selected for the witness cor. of secs. 29, 30, 31 and 32.
- 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.

T34S R5E

W C

S30|S29

S31|S32

1959

Asc. over inaccessible ledges facing SW.

- 80.00 Point for the cor. of secs. 29, 30, 31 and 32 falls on inaccessible point on ledges, where cor. cannot be monumented.
- Land, broken.
Soil, shallow sand and exposed sandstone.
Timber, thinly scattered juniper and pinon.

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

N. 89° 43' W., bet. secs. 29 and 32.

Through thinly scattered timber, by triangulation.

Asc. about 700 ft. over high ledges facing E.

- 16.30 Asc. over ledge about 40 ft. high, bears N. and S. 20° W.; end of triangulation.

- 17.40 High sandstone ridge, dividing Deer Creek from Boulder Creek, bears N. and S. 20° W.; desc. 360 ft. over series of benches facing W.

- 39.97 Point for the ¼ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., over cross (X) on sandstone surface, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T34S R5E

¼ S29

S32

1959

Cont. by traverse and triangulation.

Desc. about 40 ft. over W. slope.

Survey, Portion of Subdivision, T. 34 S., R. 5 E.

Chains	
42.90	Approximate position of wash, 10 lks. wide, 1 ft. deep, drains S. 20° W.; asc. about 20 ft. over E. slope.
43.40	Approximate position of spur, slopes S. 20° W.; desc. about 50 ft. over W. slope.
45.40	Approximate position of wash, about 40 lks. wide, 20 ft. deep, drains SW.; asc. about 50 ft. over SE. slope.
48.60	Approximate position of spur, projects SW.; desc. about 80 ft. over SW. slope.
61.60	Approximate position of the E. rim of canyon, bears N. 20° E. and SE.; desc. about 400 ft. over ledges facing W.
64.60	Approximate position of wash, in bottom of canyon, drains S. 30° E.; asc. about 800 ft. over ledges facing E.
71.40	Approximate position of high sandstone spur, projects S.; desc. over ledges facing W.
79.94	True point for the cor. of secs. 29, 30, 31 and 32. Land, broken. Soil, shallow sand and exposed sandstone. Timber, thinly scattered juniper and pinon.

General Description

The land in section 32 is rough and broken. There is a number of high sandstone spurs, ridges and buttes and it is cut by numerous canyons. The only water is found in Boulder Creek, which enters the section on the west boundary of the section and flows in a southeasterly direction, leaving on the south boundary near the 1/4 section corner of sections 5 and 32.

There are no settlements in the section and settlement at the present time is impracticable, due to the lack of water and the rugged nature of the terrain.

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CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, HEREBY CERTIFY upon honor that, in
 pursuance of special instructions bearing date of the 31st day of March, 1959
 I have ~~examined~~ supervised the survey of a portion of the subdivision of T. 34 S.,
R. 5 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 supervision~~
under my supervision; and that
 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
 Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
 field notes.

Salt Lake City, Utah
August 11, 1960

George D. Voorhees
 George D. Voorhees - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C., AUG 3 1961, 1961

The foregoing field notes of the survey of a portion of the subdivision of T. 34 S.,
R. 5 E., Salt Lake Meridian, Utah

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

E. Huntington
 Chief, Division of Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I hereby certify that the copy for transcript of the field notes of George D. Voorhees,
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 SOUTH BOUNDARY

AND A PORTION OF THE SUBDIVISION

AND THE SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 35 SOUTH, RANGE 2 EAST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

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

Donald A. Cannon, Cadastral Surveyor

Boyd S. Owens, Cadastral Surveyor

under special instructions dated March 31, 1959, which provided

the surveys included under Group No. 428, approved April 21, 1959

and assignment instructions dated May 13, 1959

Survey commenced June 16, 1959

Survey completed June 18, 1959

INDEX DIAGRAM

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Township 35 South, Range 2 East

Chains

The south, west and north boundaries of section 32, T. 35 S., R. 2 E., were originally surveyed by William Lewman in 1893. The south boundary of section 32, T. 35 S., R. 2 E., was retraced by G. F. Rigby in 1922-

The following field notes are those of dependent resurvey of the south, west and north boundaries and the survey of the east boundary of section 32, T. 35 S., R. 2 E.

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 corner points. Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true method. For simplification of the record the retracements and random lines are omitted from these field notes.

The measurements were made with a narrow steel tape, eight chains in length. This tape was graduated every link for the first chain and at ten link intervals thereafter. 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. A clinometer in good adjustment was used to determine the vertical angle of each measured interval. The slope measurements were then reduced to their horizontal equivalents, which appear in these field notes. The length of all accessible portions of the lines were determined by chaining. The length of the inaccessible portions was determined by traverse or triangulation methods. The traverses and triangulations have been thoroughly verified and in order to simplify the record, are omitted from these field notes. Distance to topography was scaled from Aerial Photographs.

The survey was executed with W. & L. E. Gurley solar transit No. 541331, which was constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was maintained in precise adjustment throughout the progress of the survey.

The lines surveyed were carried forward by sustained angulation. The direction of these lines were determined by deflecting from meridians established at a number of stations along the lines. The meridians were established by altitude observations on the sun or hour angle observations on Polaris.

The geographic position for the southeast corner of section 32, T. 35 S., R. 2 E. is latitude $37^{\circ} 42' 46.4''$ N. and longitude $111^{\circ} 41' 24.4''$ W., as computed by section line traverse through the lines of the 1922-1927 survey, plus a tie to U. S. G. S. triangulation station Escalante Rim, which is located in section 31, T. 35 S., R. 3 E.

The magnetic declination was read at a number of stations in the section and the average of the several readings was found to be $15^{\circ} 45' E.$

Dependent Resurvey of a Portion of the South Boundary, T. 35 S., R. 2 E.
Seventh Standard Parallel South

Reestablishment of the survey executed by William Lewman in 1893, and retraced by G. F. Rigby in 1922.

Beginning at the standard cor. of secs. 32 and 33 on the S. bdy. of the Tp., which is monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

S. $89^{\circ} 38' W.$, along the S. bdy. of sec. 32.

Dependent Resurvey Portion of S. T. 35 S. R. 2 E.

Chains

Through scattered to medium timber, along N. slope.

- 1.80. Wash, 10 lks. wide, 2 ft. deep, drains N. 80° E.; asc. 70 ft. along S. slope.
- 6.47 The closing cor. of secs. 4 and 5, T. 36 S., R. 2 E.; monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.
Asc. 40 ft. along SE. slope.
- 17.20 Spur, slopes S. 20° E.; desc. 10 ft. along rolling S. slope.
- 29.90 Spur, slopes S.; desc. 100 ft. over W. slope.
- 34.30 Wash, 50 lks. wide, 20 ft. deep, drains S.; asc. 50 ft. over E. slope.
- 39.60 The standard $\frac{1}{4}$ sec. cor. of sec. 32, which is monumented by a sandstone, 6x10x30 ins., set 10 ins. in the ground, and mkd. with $\frac{1}{4}$ on the N. face and SC on the E. face.
There is a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
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, 2 $\frac{1}{2}$ ft. base, to top, with brass cap mkd.
T35S R2E
S C
 $\frac{1}{4}$ S32
1959
Deposit original cor. in mound of stone alongside iron post.
No other suitable accessories available.
-
- S. 89° 41' W., beginning new measurement.
Asc. 80 ft. over E. slope.
- 10.00 Spur, slopes SE.; asc. 50 ft. along rolling S. slope.
- 19.50 Top of ascent, slopes S.; desc. 50 ft. over SW. slope.
- 25.00 Wash, 20 lks. wide, 1 ft. deep, drains S. 60° E.; asc. 140 ft. over E. slope.
- 36.80 Spur, slopes S.; desc. 10 ft. along S. slope.
- 39.92 The standard cor. of secs. 31 and 32, which is monumented by a sandstone 4x5x36 ins.; set 4 ins. in the ground and in a mound of stone, 3 ft. base, mkd. with 5 notches on the E. face and 1 notch on the W. face.
At the cor. point
Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd.
T35S R2E
S C
 $\frac{1}{4}$ S31|S32
1959
Deposit original cor. in mound of stone, around iron post.

~~Dependent Resurvey, Portion of S. Ely, T. 35 S., R. 2 E.~~

Chains

No other suitable accessories available.

Land, steeply rolling hills.
Soil, shallow, sandy clay.
Timber, scattered to medium timber.

Dependent Resurvey, Portion of Subdivision, T. 35 S., R. 2 E.

Reestablishment of the survey executed by W. Newman in 1893.

Beginning at the standard cor. of secs. 31 and 32.

N. 0° 57' E., bet. secs. 31 and 32.

Through scattered timber; asc. 20 ft. over S. slope.

- 2.60 Ridge, bears E. and W. irregularly; cont. along E. slope.
- 12.80 Spur, slopes N. 80° E.; desc. 70 ft. over NW. slope.
- 19:00 Wash, 10 lks. wide, 6 ins. deep, drains N. 60° E.; asc. 30 ft. along E. slope.
- 28.40 Spur, slopes NE.; desc. 90 ft. over NW. slope.
- 35.90 Wash, 2 chs. wide; 30 ft. deep, drains N. 70° E.; asc. 50 ft. over SE. slope.
- 40.09 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32, at proportionate dist.; no evidence of the original cor. remains.
no e
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.

T35S R2E

S31 | S32

1959

Asc. 10 ft. over SE. slope.

- 40.70 Spur, slopes N. 70° E.; desc. 30 ft. over rolling E. slope.
- 51.70 Spur, projects E. about 2 chs. to end; desc. 120 ft. over NE. slope.
- 59.50 Wash, in bottom of gulch, 40 lks. wide, 3 ft. deep, drains NW.; asc. 180 ft. over SW. slope.
- 79.80 Spur, slopes S. 80° W.
- 80.18 The cor. of secs. 29, 30, 31 and 32, which is monumented by a sandstone 4x10x30 ins., set 6 ins. in the ground and in a collar of stone, mkd. 5 notches on the E. face and 1 notch on the S. face.

From which the original bearing trees

A juniper, 14 ins. diam., bears S. 47° 30' W., 28 lks. dist., mkd. T35S R2E S31 BT.

A juniper, 14 ins. diam., bears N. 41° 00' W., 31 lks. dist., mkd. T35S R2E S30 BT.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground and in a small mound of stone, with brass cap mkd.

Portion of Subdivision T. 35 . R. 2 E.

Chains

T35S R2E
 S30 | S29
 S31 | S32
 1959

Deposit original cor. at base of iron post.

No other suitable accessories available.

Land, steeply rolling hills.

Soil, sandy clay.

Timber, scattered to medium juniper and pinon.

N. 89° 55' E., bet. secs. 29 and 32.

Over steeply rolling land, through scattered to medium timber.

- 1.50 Spur, slopes S. 70° W.; asc. 70 ft. along S. slope.
- 9.00 Spur, slopes S. 70° E.; desc. 60 ft. over NE. slope.
- 16.60 Wash, 10 lks. wide, 1 ft. deep, drains SE.; asc. 140 ft. over W. slope.
- 27.50 Spur, slopes N.; desc. 180 ft. over NE. slope.
- 39.21 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32, 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 and in a mound of stone, $4\frac{1}{2}$ ft. base, to top, with brass cap mkd.

T35S R2E
 $\frac{1}{4}$ S29
 S32
 1959

Desc. 100 ft. along N. slope.

- 45.20 Bottom of descent, drains N.; asc. 70 ft. along N. slope.
- 57.00 Spur, slopes N. 70° E.; desc. 200 ft. over SE. slope.
- 67.70 Wash, 30 lks. wide, 3 ft. deep, drains N. 20° E.; asc. 200 ft. over W. slope.
- 78.42 The cor. of secs. 28, 29, 32 and 33, which is monumented by a sandstone 6x10x18 ins., set 8 ins. in the ground, and dimly mkd.

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.

T35S R2E
 S29 | S28
 S32 | S33
 1959

Deposit original cor. alongside iron post.

No other suitable accessories available.

Land, steeply rolling hills.

Soil, sandy clay.

Timber, scattered to medium juniper and pinon.

Survey, Portion of Subdivision, T. 35 S., R. 2 E.

Chains

Survey of a Portion of the Subdivision of T. 35 S., R. 2 E.

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

N. 0° 04' W., bet. secs. 32 and 33.

Over steeply rolling hills, through scattered timber; desc. 20 ft. over N. slope.

.50 Wash, 10 lks. wide, 3 ft. deep, drains E.; asc. 20 ft. over S. slope.

1.90 Spur, projects E. about 3 chs. to end; desc. 50 ft. over N. slope.

3.90 Wash, 50 lks. wide, 1 ft. deep, drains S. 20° E.; asc. 30 ft. over SW. slope.

9.40 Slope changes; asc. 10 ft. along rolling W. slope.

24.80 Slope changes; asc. 200 ft. over rolling SW. slope.

37.40 E. edge of sandstone knob; desc. 50 ft. over NW. slope.

39.68 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., 18 ins. in the ground, with brass cap mkd.

T35S R2E

$\frac{1}{4}$
S32 | S33
1959

Raise a mound of stone, W. of cor.

Desc. 230 ft. over NE. slope.

52.00 Wash, 30 lks. wide, 2 ft. deep, drains N. 70° E.; asc. 230 ft. over broken S. slope.

64.10 Asc. over ledge about 20 ft. high, bears N. 70° E. and S. 70° W.; cont. over gentle E. slope.

75.40 Slope changes to NW.; desc. 10 ft. over rolling NW. slope.

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

Land, steeply rolling hills.

Soil, shallow sandy clay.

Timber, scattered to medium juniper and pinon.

General Description

The land in section 32, T. 35 S., R. 2 E. is steeply rolling hills. The southern portion drains south into Alvey Wash and the northern portion drains north into Escalante Creek.

Settlement in the section is impracticable due to the rugged nature of the terrain and lack of water. There are some traces of coal along the south boundary.

CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 31st day of March, 1959, I have ~~examined~~ supervised the dependent resurvey of a portion of the south boundary; the dependent resurvey of a portion of the subdivision; and the survey of a portion of the subdivision, T. 35 S., R. 2 E.

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 supervision~~; 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 foregoing field notes.

Salt Lake City, Utah

August 11, 1960

George D. Voorhees
George D. Voorhees - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., AUG 3 1961, 19

The foregoing field notes of the ~~resurvey~~ dependent resurvey of a portion of the south boundary and a portion of the subdivision; and the survey of a portion of the subdivision, T. 35 S., R. 2 E., Salt Lake Meridian, Utah

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

E. Remington
Cadastral Engineering Staff Officer,
Chief, Division of Engineers

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 A PORTION OF THE SUBDIVISION

AND THE SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 35 SOUTH, RANGE 4 EAST

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 March 31, 1959, which provided

for the surveys included under Group No. 428, approved April 21, 1959

and assignment instructions dated May 13, 1959

Survey commenced May 29, 1959

Survey completed June 3, 1959

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Township 35 South, Range 4 East

Chains

The south boundary of the Seventh Standard Parallel South and the east boundary of the First Guide Meridian East were surveyed by W. Lewman in 1893. The west boundary, the north boundary and a portion of the subdivision were surveyed by W. Lewman in 1894. The south boundary was retraced by J. C. Thoma in 1913. The east and north boundaries were resurveyed by A. Nelson in 1937. The north two miles of the west boundary were resurveyed concurrently with the survey of this township and can be found in the current field notes of T. 35 S., R. 3 E.

The following field notes are those of the dependent resurvey of the east mile of the south boundary and a portion of the subdivision; and the survey of a portion of the subdivision of T. 35 S., R. 4 E., 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, 541331, conforming to the standard specifications of the Bureau of Land Management. The instrument was maintained in precise adjustment throughout the duration of 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 other control was possible the position of lost corners was located at record course and distance. Corners on the 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 the random and true 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 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 10 link intervals. 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; a clinometer in good adjustment was used to determine the vertical angle. The slope measurements were then reduced to their horizontal equivalents which appear in these field notes. The length of all accessible lines was determined by chaining. The length of the inaccessible lines was determined by traverse or triangulation methods. The traverses and triangulations were thoroughly verified and, in order to simplify the record, are omitted from these field notes.

The lines of this survey were carried forward by sustained angulation. The bearings of all lines were determined by deflecting from meridians established by altitude observations on the sun and hour angle observations on Polaris. These meridians were set up at a number of stations along the lines of the survey.

The geographic position for the southeast corner of the township is latitude $37^{\circ} 42' 50''$ N. and longitude $111^{\circ} 24' 16''$ W. as determined by section line traverse and a tie from U.S.G.S. triangulation station "Escalante Rim" located in section 31, T. 35 S., R. 3 E.

The magnetic declination was read at a number of stations in the township and the average of the several readings was found to be 16° E.

Resurvey Portion of S. T. 35 S. R. 4 E.

Chains

Dependent Resurvey of a Portion of the South Boundary, T. 35 S., R. 4 E.

Reestablishment of the survey executed by William Lewman, Deputy Surveyor, in 1893 and retraced by J. C. Thoma, U. S. Surveyor, in 1913.

Beginning at the standard cor. of T. 35 S., Rs. 4 and 5 E., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

N. 89° 51' W., along the S. bdy. of sec. 36.

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

- 9.00 Ridge, bears N. 20° E. and S.; desc. 120 ft. over rolling NW. slope.
- 40.06 The standard 1/4 sec. cor. of sec. 36, a sandstone 14x16x28 ins., set upright on solid sandstone, mkd. 1/4 SC on N. face.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) on sandstone surface and in a mound of stone, 3 1/2 ft. base, to top, with brass cap mkd.

T35S R4E
S C
1/4 S36

1959

Deposit original cor. in mound of stone, around iron post.

No other suitable accessories available.

S. 89° 34' W., beginning new measurement.

Desc. 90 ft. over NW. sandstone slope.

- 10.60 Base of abrupt descent, bears NE. and S.; desc. 80 ft. over rolling NW. slope.
- 35.30 Wash, 30 lks. wide, 4 ft. deep, drains S. 70° W. about 5 chs. thence SW.; asc. 10 ft. along S. slope.
- 40.08 The standard cor. of secs. 35 and 36, reestablished by measurement to original bearing trees.

A juniper, 16 ins. diam., bears N. 57° E., 71 lks. dist., mkd. T35 S R4E S36 BT.

A juniper, 14 ins. diam., bears N. 37° W., 139 lks. dist., mkd. T35S R4E S35 BT.

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.

Dependent Resurvey, Portion of S. Bdy., T. 35 S., R. 4 E.

Chains

T35S R4E
S C
S35|S36

1959

No other suitable accessories available.

Land, rolling.

Soil, sand and exposed sandstone.

Timber, scattered juniper and pinon.

Survey of a Portion of the Subdivision of T. 35 S., R. 4 E.

Beginning at the standard cor. of secs. 35 and 36, on the S. bdy. of the Tp.

N. 0° 02' W., bet. secs. 35 and 36.

Through scattered timber; asc. 70 ft. over S. slope.

2.70 Top of small sandstone Butte, about 60 ft. high; top bears E. about 1 ch. to end, and W. about 1.50 chs. to end; desc. abruptly 60 ft. over N. face of butte.

5.50 Bottom of descent, drains SW.; asc. 30 ft. over rolling SW. slope.

14.20 Unimproved road, bears E. and W.; 20 ft. over rolling SW. slope.

30.10 Wash, 20 lks. wide, 2 ft. deep, drains S. 60° W.; asc. 90 ft. over S. sandstone slope.

39.05 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., over a cross (X) on sandstone surface and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T35S R4E
W C
 $\frac{1}{4}$
S35|S36
1959

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36, small ravine, 6 lks. wide, 40 ft. deep, drains sharply SE.; asc. 150 ft. over broken S. sandstone slope.

51.60 Ridge, bears N. 80° W. and S. 80° E.; desc. 270 ft. over steep NE. slope.

65.60 Bottom of descent, drains E.; asc. 30 ft. over S. slope.

70.80 Spur, projects N. irregularly; asc. 80 ft. along top of spur.

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

Survey, Portion of Subdivision, T. 35 S., R. 4 E.

Chains

T35S R4E

S26|S25

S35|S36

1959

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

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

S. 89° 53' W., bet. secs. 25 and 36.

Through scattered timber; desc. 50 ft. over rolling land, draining N.

39.96 Point for the $\frac{1}{2}$ 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.

T35S R4E

 $\frac{1}{2}$ S25

S36

1959

Deposit charcoal at base of iron post.

Asc. 30 ft. along rolling N. slope.

44.30 Top of ascent, slopes N.; desc. 70 ft. along rolling N. slope.

66.10 Wash, 20 lks. wide, 2 ft. deep, drains NE.; asc. 270 ft. over steep E. slope.

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

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

Dependent Resurvey of a Portion of the Subdivision, T. 35 S., R. 4 E.

Reestablishment of survey executed by Wm. Lewman in 1894.

From the cor. of secs. 1 and 2 on the N. bdy., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

S. 0° 18' E., bet. secs. 1 and 2.

Through scattered timber; desc. 360 ft. along E. slope of spur projecting S.

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

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

Dependent Resurvey, Portion of Subdivision, T. 35 S., R. 4 E.

Chains

T35S R4E

S 2 S 1	
1959	

Desc. 110 ft. along E. slope.

48.50 Wash, 30 lks. wide, 4 ft. deep, drains S. 10° W.; asc. 190 ft. over ledgy W. slope.

57.80 High sandstone spur, projects S. 70° W.; desc. abruptly 120 ft. over S. slope.

61.40 Ravine, drains sharply S. 60° W.; asc. abruptly 160 ft. over ledgy N. slope.

66.30 Spur, projects S. 80° W.; desc. 60 ft. over S. slope.

69.20 Recross spur, projects S. 20° E.; asc. 80 ft. along NW. slope.

76.80 Spur, projects S. 20° W.; desc. 60 ft. over S. slope.

80.12 The cor. of secs. 1, 2, 11 and 12, mkd. with an old disintegrated mound of sandstone, accepted as the original cor. monument.

Set an iron post, 30 ins. long, 2½ ins. diam., 11 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T35S R4E

S 2 S 1	
S11 S12	
1959	

Land, broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper and pinon.

S. 89° 58' W., bet. secs. 2 and 11.

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

2.20 Spur, slopes S. 20° W.; begin triangulation; desc. abruptly about 300 ft. over ledges facing W.

4.30 Wash, in bottom of canyon, 50 lks. wide, 20 ft. deep, drains S. 10° E.; asc. about 400 ft. over ledges facing E.

12.20 E. rim of canyon, bears irregularly N. and S. 20° E.; asc. about 200 ft. over broken E. slope.

24.50 Spur, slopes S. 30° W.

24.54 End of triangulation; desc. 80 ft. over NW. slope.

39.98 Point for the ¼ sec. cor. of secs. 2 and 11, at proportionate dist.; no evidence of the original cor. remains.

Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

De Resurvey, Portion of Subdivision, T. 35 S., R. 4 E.

Chains

T35S R4E

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

1959

- 40.30 Wash, 10 lks. wide, 1 ft. deep, drains SW.; asc. 50 ft. over SE. slope.
- 44.60 Spur, slopes S. 30° E.; desc. 120 ft. over W. slope.
- 62.20 E. edge of gulch, bears N. 20° E. and S. 20° W.; desc. abruptly 80 ft. over steep W. slope.
- 63.60 Wash, in bottom of gulch, 30 lks. wide, 10 ft. deep, drains S. 20° W.; asc. abruptly 160 ft. over steep E. slope.
- 76.10 Spur, slopes S. 30° W.; cont. along S. slope.
- 79.96 The cor. of secs. 2, 3, 10 and 11, mkd. with a sandstone, 15x10x4 ins. in the center of a small mound of stone. No marks visible. There is no trace of the original bearing tree.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T35S R4E

$\frac{S 3}{S10} | \frac{S 2}{S11}$

1959

from which

A pinon, 15 ins. diam., bears S. 74° 42' E., 128 lks. dist., mkd. S11 BT.

A pinon, 6 ins. diam., bears S. 14° 27' W., 139 lks. dist., mkd. T35S R4E S10 BT.

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

Survey of a Portion of Subdivision, T. 35 S., R. 4 E.

From the cor. of secs. 2, 3, 10 and 11.

N. 0° 18' W., bet. secs. 2 and 3.

Over rolling land, through scattered timber; asc. 130 ft. over spur, sloping S. 20° W.

25.30 Top of ascent, on E. edge of spur, slopes E.; desc. 70 ft. over NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

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

Survey, Portion of Subdivision, T. 35 S., R. 4 E.

Chains

T35S R4E

S 3 | S 2
1959

- 40.20 Small wash, heads about 5 chs. NW., drains SE.; asc. 130 ft. over S. sandstone slope.
- 52.20 Ridge, bears N. and SW.; desc. 120 ft. over series of minor spurs and
- 75.60 Spur, slopes W.; desc. 50 ft. over N. slope.
- 80.12 Intersect the S. bdy. of sec. 34, T. 34 S., R. 4 E.; point for the cor. of secs. 2 and 3.

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

T34S R4E

S 34
S 3 | S 2
T35S R4E
1959

Deposit charcoal at base of iron post.

From this cor. the cor. of secs. 34 and 35, T. 34 S., R. 4 E., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record, bears E., 10.45 chs. dist.

No other suitable accessories available.

Land, rolling.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper and pinon.

At midpoint on the N. bdy. of sec. 2, bet. the cor. of secs. 1 and 2 and the cor. of secs. 2 and 3; point for the ¼ sec. cor. of sec. 2.

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

¼ S 2

T35S R4E
1959

From this cor. the ¼ sec. cor. of sec. 35, monumented by an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record, bears E., 10.83 chs. dist.

Dependent Resurvey of a Portion of the Subdivision, T. 35 S., R. 4 E.

Resurvey executed by Wm. Lewman in 1894.

From the cor. of secs. 16, 17, 20 and 21, monumented by a limestone 3x6x26 ins., mkd. with 3 notches on the S. and 4 notches on the E., set 4 ins. in the ground and in a small mound of stone.

At the cor. point

Dependent Resurvey, Portion of Subdivision, T. 35 S., R. 4 E.

Chains

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

T35S R4E

S17 | S16

S20 | S21

1959

Deposit original cor. in mound of stone around iron post.

Thence

N. 0° 09' E., bet. secs. 16 and 17.

Through scattered timber; desc. 190 ft. over series of benches on N. slope.

39.45

The ¼ sec. cor. of secs. 16 and 17, monumented by a sandstone, 4x8x25 ins., set 6 ins. in the ground and in a small mound of stone, mkd. ¼ on W. face. This cor. will now function for sec. 17 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, 2½ ft. base, to top, with brass cap mkd.

T35S R4E

S17 | S16

S20 | S21

1959

Deposit original cor. in mound of stone, around iron post.

N. 0° 50' E., beginning new measurement.

.55

Point for the W. ¼ sec. cor. of sec. 16 only.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T35S R4E

S17 | S16

S20 | S21

1959

Raise a mound of stone, 2½ ft. base, 2½ ft. high, E. of cor.

Desc. 230 ft. over benches on N. slope.

40.20

True point for the cor. of secs. 8, 9, 16 and 17, at record dist. from the original ¼ sec. cor. of secs. 16 and 17, and at proportionate dist. bet. the original cors. of secs. 7, 12, 13 and 18 on the W. bdy. and the cor. of secs. 9, 10, 15 and 16, falls on steep ledge facing E. and cannot be monumented. There is no evidence of the original cor. From this point the cor. of secs. 7, 12, 13 and 18 on the W. bdy. of the Tp., an iron post, 2½ ins. diam., as described in the field notes of T. 35 S., R. 3 E., bears S. 89° 54' W., 160.14 chs. dist. sand and exposed sandstone.

Timber, juniper, piñon.

Land, milling and broken.

Soil, sand and exposed sandstone.

Timber, juniper and piñon.

Dependent Resurvey, Portion of Subdivision, T. 35 S., R. 4 E.

Chains

S. $89^{\circ}54'$ E., bet. secs. 9 and 16, over broken sandstone.

.45 Point selected for the witness cor. of secs. 8, 9, 16 and 17.

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

T35S R4E

W 8 | S 9

C S17 | S16

1959

Cont. over broken sandstone by triangulation.

3.30 S. rim of Escalante Creek Canyon, a cliff about 300 ft. high, bears N. and S.; desc. about 350 ft. over E. slope and ledges facing E.

11.60 Escalante Creek, 40 lks. wide, 6 ins. deep, course S.; asc. about 350 ft. over W. slope and ledges facing W.

13.20 High sandstone spur, slopes sharply S. 20° W.; desc. about 350 ft. over ledges on E. slope.

22.60 Recross Escalante Creek, course N. from S. 20° W.; asc. about 600 ft. over cliff facing W.

23.70 S. rim of Escalante Creek Canyon, a cliff about 600 ft. high, bears N. 30° E. and S. 30° W.; asc. about 50 ft. over NW. slope.

32.60 Spur, slopes N. 10° W.; end triangulation, cont. by chaining; desc. 20 ft. along broken N. slope of barren sandstone.

39.47 Point for the N. $\frac{1}{2}$ sec. cor. of sec. 16, at 40.00 chs. of westing from the cor. of secs. 15 and 16, hereinafter described.

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

$\frac{1}{2}$ S16

T35S R4E

1959

Desc. 20 ft. along N. slope of barren sandstone.

47.23 S. rim of Escalante Creek Canyon, bears N. 70° W. and S. 70° E.; desc. about 650 ft. along broken ledges facing N.; by triangulation.

64.60 Escalante Creek, 60 lks. wide, 6 ins. deep, course S. 70° E.

73.40 Recross Escalante Creek, course N.; asc. about 150 ft. over ledges, facing W.

74.00 Spur, slopes N.; desc. about 150 ft. over ledges, facing E.

76.20 Wash in bottom of gulch, 30 lks. wide, 3 ft. deep, drains N.; asc. about 100 ft. over ledges, facing W.

77.30 E. rim of gulch, bears N. and S.; asc. 60 ft. over W. slope.

79.24 End of triangulation; cont. by chaining.

79.47 The cor. of secs. 15 and 16, hereinafter described.

Dependent Resurvey, Portion of Subdivision, T. 35 S., R. 4 E.

Chains

80.08

The original cor. of secs. 9, 10, 15 and 16, a sandstone, 6x8x25 ins., set 8 ins. in the ground, mkd. with 3 notches on E. face and 3 notches on S. face; this cor. will now function as an angle point.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.

A P

T35S R4E

S 9 | S10

S15

1959

Set original cor. alongside iron post.

Land, broken breaks of Escalante Creek.

Soil, shallow sand with exposed sandstone.

Timber, thinly scattered pinon and juniper.

Survey of a Portion of the Subdivision of T. 35 S., R. 4 E.

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

East, bet. secs. 16 and 21.

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

3.50 Top of ascent, slopes N.; desc. 90 ft. over steep NE. slope.

13.70 Small wash, drains N. 60° W.; asc. 80 ft. over rolling W. slope.

40.00 Point for the ½ sec. cor. of secs. 16 and 21.

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.

T35S R4E

½ S16

S21

1959

Asc. 30 ft. over W. slope.

42.80 Spur, slopes S. 70° W.; desc. 30 ft. along S. slope.

58.60 Center of flat drain, about 8 chs. wide, drains S. 70° W.; asc. 70 ft. over W. slope.

78.60 Spur, slopes S. 80° W.

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, in a mound of stone, with brass cap mkd.

T35S R4E

S16 | S15

S21 | S22

1959

Land, rolling.

Soil, sand and exposed sandstone.

Timber, scattered juniper and pinon.

Survey, Portion of Subdivision, T. 35 S., R. 4 E.

Chains

- From the cor. of secs. 15, 16, 21 and 22, Escalante Creek runs northward, North, bet. secs. 15 and 16.
Through scattered timber; over gently rolling land.
- 25.70 Rim, a ledge about 40 ft. high, bears S. 70° E. and S. 70° W.; desc. 410 ft. over steep NW. sandstone slope.
- 39.40 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 15 and 16.
Drill an iron post, 16 ins. long, 1 in. diam., 6 ins. in solid sandstone, with brass cap mkd.
- T35S R4E
 $\frac{1}{4}$
W C
S16 S15
1959
- No suitable accessories available.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16 falls on steep NE. sandstone slope, where the cor. cannot be monumented.
Desc. 350 ft. over sandstone slickrock, draining E.
- 65.50 Wash, in bottom of gulch, 30 lks. wide, 3 ft. deep, drains N. 10° W.; asc. 150 ft. along ledges facing W.
- 79.60 Top of ascent, slopes SW.; desc. 60 ft. over ledge facing W.
- 79.61 Intersect the N. bdy. of sec. 16.
Point for the cor. of secs. 15 and 16 only.
Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
- S16 | S15
T35S R4E
1959
- Raise a mound of stone, 2 ft. base, 2 $\frac{1}{2}$ ft. high, S. of cor.
From this cor. the angle point for the original cor. of secs. 9, 10, 15 and 16, monumented by an iron post, 2 $\frac{1}{2}$ ins. diam., previously described, bears S. 89° 54' E., 0.61 chs. dist.
Land, broken breaks of Escalante Creek.
Soil, shallow sand, with exposed sandstone.
Timber, scattered juniper and pinon.

General Description

The land in section 36 is rolling with sandstone outcroppings, and is covered with scattered juniper and pinon with a fair growth of native grass. The land in section 2 is rolling and broken, cut by canyons draining south into Escalante Creek. It is covered with scattered juniper and pinon, with a poor growth of native grasses. The land in section 16 is high mesa land in the south, breaking off to the north into Escalante Creek, and is covered with a fair growth of juniper and pinon on the mesa top, with thinly scattered juniper and pinon on the sandstone slickrock, draining into Escalante Creek.

There were no settlements or mining activity in the township at the time of survey. The land is used only for a limited amount of stock grazing. The only water found was in Escalante Creek and a stream

Township 35 South, Range 4

Chains

in the bottom of Death Hollow. Settlement is impracticable due to the lack of water and the rugged nature of the land.

The estimated elevation above mean sea level is about 5,200 feet in the bottom of Escalante Creek and about 6,000 feet on the mesa top in the central portion of the township.

4-680
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Glen B. Hatch	Principal Assistant
Wayne DeLange	Chainman
Robert A. Pratt	Chainman
Clement J. Davis	Flagman
Gerald Stock	Axeman

CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 31st day of March, 1960, I have ~~executed~~ supervised the dependent resurvey of a portion of the south boundary and a portion of the subdivision and the survey of a portion of the subdivision of T. 35 S. R. 4 E.

of the Salt Lake Meridian, in the State of Utah, which is represented in the foregoing field notes as having been ~~executed~~ supervised 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.

August 19, 1960

Salt Lake City, Utah

George D. Voorhees
 George D. Voorhees - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C., OCT 12 1962, 1962

The foregoing field notes of the dependent resurvey of a portion of the south boundary and a portion of the subdivision and the survey of a portion of the subdivision, T. 35 S., R. 4 E., 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.

W. L. Livingston
 Chief, Division of Engineering
 Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

_____ is a true copy of the original.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY

OF TOWNSHIP 12 SOUTH, RANGE 4 WEST

WITH THE ESTABLISHMENT OF NEW CORNERS FOR TOWNSHIP 12 SOUTH, RANGE 5 WEST

AND

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 12 SOUTH, RANGE 5 WEST

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Boyd S. Owens, Cadastral Surveyor

Under special instructions dated October 16, 1959, which provided

for the surveys included under Group No. 436, approved November 3, 1959

and assignment instructions dated April 28, 1960

Survey commenced May 4, 1960

Survey completed June 3, 1960

INDEX DIAGRAM

Township 12 South, *Range* 5 West

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5	5	4	3	2	8 6 2

Township 12 South, Range 5 West

Chains

The east boundary was retraced and resurveyed by J. W. Dougall in 1911. A portion of the south boundary and the west boundary were surveyed by J. Baupman in 1869. A portion of the subdivision was surveyed by J. Gorlinski in 1872. The portion of the south boundary surveyed by J. Gorlinski in 1872.

The following field notes are those of a dependent resurvey of a portion of the south boundary, and the original survey of a portion of the south boundary and section 36, T. 12 S., R. 5 W. and a dependent resurvey of a portion of the west boundary of T. 12 S., R. 4 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.

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 $39^{\circ} 43' 29''$ N. and longitude $112^{\circ} 20' 50''$ W. as adjusted from traverses from the southeast corner of T. 12 S., R. 4 W., as recorded on the original plat.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ E.

Before restoring the corners of the resurvey, the original lines were retraced and diligent search made for any evidence of the original corners, bearing trees and other calls of the original field note record.

Survey of the South Boundary of T. 12 S., R. 5 W.

Beginning at the cor. of Tps. 12 and 13 S., R. 5 W., established east of the Tp. cor. of Tps. 12 and 13 S., Rs. 5 and 6 W., and on the W. bdy. of sec. 31, T. 12 S., R. 4 W. The cor. is monumented by a $2\frac{1}{2}$ inch iron post, described in the resurvey notes of the E. bdy. of T. 13 S., R. 5 W., surveyed concurrently under this same group.

Survey of the South Boundary of T. 12 S., R. 5 W.

Chains

West, bet. secs. 1 and 36.

Over rolling, barren sand dunes.

Asc. 10 ft.

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., 18 ins. in the sand, with brass cap mkd.

T12S R5W
 $\frac{1}{4}$ $\frac{S36}{S 1}$
 T13S
 1960

Deposit glass in the hole.

Cont. over rolling sand dunes, scant vegetation, widely scattered junipers.

80.00

Point for the cor. of secs. 1, 2, 35 and 36.

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

T12S R5W
 $\frac{S35}{S 2} | \frac{S36}{S 1}$
 T13S
 1960

Set a juniper post, 6 ft. long, 3 ins. diam., 24 ins. in the ground, 0.03 lks. W. of the cor.

Land, rolling sand dunes.

Soil, sandy.

Timber, widely scattered juniper.

Undergrowth, scant vegetation.

West, bet. secs. 2 and 35.

Over rolling sand dunes, nearly barren of vegetation.

Asc. 30 ft.

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., 22 ins. in the sand, with brass cap mkd.

T12S R5W
 $\frac{1}{4}$ $\frac{S35}{S 2}$
 T13S
 1960

Set a cedar post, 8 ft. long, 4 ins. diam., alongside iron post.

Cont. over barren sand dunes.

47.40

Enter scattered junipers, bears NW. by SW. asc. 70 ft. over gently rolling sand hills.

Survey, S. Bdy., T. 12 S., R. 5 W.

Chains	
80.00	<p>Point for the sec. cor. of secs. 2, 3, 34 and 35.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the sand, with brass cap mkd.</p> <p style="text-align: center;">T12S R5W S34 S35 S 3 S 2 T13S 1960</p> <p>Set a cedar post, 8 ft. long, 6 ins. diam., 3 ft. in the ground, 0.02 lks. W. of the cor.</p> <p>Land, rolling. Soil, sandy. Timber, scattered juniper on W. 33.00 chs. Undergrowth, scant.</p>
	<p>West, bet. secs. 3 and 34.</p> <p>Over rolling land.</p> <p>Asc. 60 ft. over NE. slope.</p>
6.30	<p>Crest of spur, slopes N. 30° W., about 12.00 chs. to end; desc. 20 ft. over rolling land, facing W.</p>
16.90	<p>Small spur, slopes N. about 5.00 chs. to end; desc. 90 ft. over rolling sand hills, through large junipers, moderate sage and buck brush; NW. drainage and exposure.</p>
40.00	<p>Point for the ¼ sec. cor. of secs. 3 and 34.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T12S R5W ¼ S34 S 3 T13S 1960</p> <p>Set a cedar post, 6 ft. long, 4 ins. diam., 2 ft. in the ground alongside iron post.</p> <p>Desc. 40 ft. over NW. slope.</p>
53.60	<p>Draw, drains SW.; asc. 30 ft. over SE. slope.</p>
61.50	<p>Top of ascent on S. slope of hill; desc. 70 ft. over rolling SW. slope through large junipers and scattered sage.</p>
80.00	<p>Point for the sec. cor. of secs. 3, 4, 33 and 34.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the sand, with brass cap mkd.</p> <p style="text-align: center;">T12S R5W S33 S34 S 4 S 3 T13S 1960</p> <p>from which</p>

Survey, S. Bdy., T. 12 S., R. 5 W.

Chains

A juniper, 8 ins. diam., bears S. 13° 35' E., 62 lks. dist., mkd. T13S R5W S3 BT.

A juniper, 8 ins. diam., bears N. 37° 41' W., 1.61 chs. dist., mkd. T12S R5W S33 BT.

Land, rolling.
Soil, sandy.
Timber, scattered to moderate juniper.
Undergrowth, scattered sage, buckbrush and grass.

West, bet. secs. 4 and 33.

Over gently rolling land, through moderate juniper; desc. 20 ft. over S. slope.

4.20 Base of hill, thence over nearly level land.

18.50 Begin ascent over gentle E. slope; asc. 30 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., 20 ins. in the ground, with brass cap mkd.

T12S R5W

1/4 S33
S 4

T13S

1960

from which,

A juniper, 36 ins. diam., bears S. 22° 23' E., 11 lks. dist., mkd. T13S R5W 1/4 S4 BT.

Asc. 60 ft. over E. slope, through moderate juniper.

70.40 Crest of ridge, bears N. 20° W. and S. 20° E.; desc. 40 ft. over gently rolling, sandy S. slope, through moderate timber.

84.23 Point for the sec. cor. of secs. 32 and 33, T. 12 S., R. 5 W., at record course and dist. E. of the cor. of Tps. 12 and 13 S., Rs. 5 and 6 W.; there is no remaining evidence of the original sec. cor. set by J. Gorkinski in 1872.

At the cor. point

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

T12S R5W

S32 | S33

1960

from which

A juniper, 8 ins. diam., bears N. 44° 01' E., 1.61 chs. dist., mkd. T12S R5W S33 BT.

No other suitable bearing trees available.

Survey, South Boundary T. 12 S., R. 5 W.

Chains

Land, rolling.
Soil, sandy.
Timber, moderate juniper.
Undergrowth, scattered to moderate sage.

Dependent Resurvey, Portion of South Bdy., T. 12 S., R. 5 W.

Thence with reestablishment of survey executed by J. Gorlinksi in 1872.

West, along the S. bdy. of sec. 32.

Over rolling, sandy land, facing SW., through moderate juniper.

Desc. 30 ft.

16.40 Slope changes to gently rolling W.; desc. 100 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 32, at record course and 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, with brass cap mkd.

T12S R5W

$\frac{1}{4}$ S32

1960

from which

A juniper, 14 ins. diam., bears N. $45^{\circ} 48' E.$, 2.50 chs. dist., mkd. T12S R5W $\frac{1}{4}$ S32 BT.

Desc. 110 ft. over gently rolling land, through scattered juniper; W. drainage and exposure.

80.00 Point for the cor. of secs. 31 and 32, at record course and 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 sand, with brass cap mkd.

T12S R5W

S31|S32

1960

Set a juniper post, 7 ft. long, 6 ins. diam., 24 ins. in the ground, 0.03 lks. N. of the cor.

Land, rolling sand dunes.
Soil, sandy.
Timber, moderate to scattered juniper.
Undergrowth, scattered sage.

West, along the S. bdy. of sec. 31.

Over gently rolling land, through moderate juniper.

Desc. 80 ft. over W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 31 at record course and dist.; there is no remaining evidence of the original cor.

Dependent Resurvey of Portion of South Boundary, T. 12 S., R. 5 W.

Chains

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

T12S R5W

 $\frac{1}{4}$ S31

1960

from which

A juniper, 20 ins. diam., bears N. $37^{\circ} 39'$ E., 2.28 chs. dist., mkd. T12S R5W $\frac{1}{4}$ S31 BT.

A juniper, 6 ins. diam., bears N. $52^{\circ} 37'$ W., 1.98 chs. dist., mkd. T12S R5W $\frac{1}{4}$ S31 BT.

Desc. 30 ft. over gentle W. slope.

80.00

The cor. of Tps. 12 and 13 S., Rs. 5 and 6 W., described in the resurvey notes of the E. bdy. of T. 13 S., R. 6 W.

Land, gently rolling.

Soil, sandy.

Timber, scattered to moderate juniper.

Undergrowth, scattered sage and grass.

Dependent Resurvey of a Portion of West Boundary of T. 12 S., R. 4 W.

Dependent resurvey of a portion of the W. bdy., T. 12 S., R. 4 W., with the establishment of new corners for T. 12 S., R. 5 W., at regular intervals N. of the cor. of Tps. 12 and 13 S., R. 5 W.

Reestablishment of surveys executed by J. W. Dougall in 1911.

Beginning at the cor. of Tps. 12 and 13 S., R. 5 W., mkd. by an iron post, $2\frac{1}{2}$ ins. diam., described in the resurvey notes of the E. bdy., T. 13 S., R. 5 W. From this cor. the cor. of Tps. 12 and 13 S., R. 4 W., an iron post, $2\frac{1}{2}$ ins. diam., bears S. $0^{\circ} 04'$ E., 2.30 chs. dis

N. $0^{\circ} 04'$ W., along the W. bdy. of sec. 31.

Over rolling barren sand dunes; asc. 60 ft. over barren sand dunes.

37.725

Point for the cor. originally set to function as the $\frac{1}{4}$ sec. cor. of secs. 31 and 36 at proportionate dist. After diligent search no trace was found of this cor. It was not remonumented.

40.00

Point for the $\frac{1}{4}$ sec. cor. of sec. 36, T. 12 S., R. 5 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the sand, with brass cap mkd.

T12S

R5W R4W

 $\frac{1}{4}$

S36

1960

Deposit glass in the hole and around the iron post.

Asc. 20 ft. over rolling sand dunes.

56.60

Leave barren sand dunes; asc. 30 ft. over gently rolling desert land, through moderate sage.

Dependent Resurvey, Portion of West Boundary, T. 12 S., R. 4 W.

Chains
77.75

The cor. originally set to function as the cor. of secs. 25, 30, 31 and 36, mkd. by a 3 ins. iron post, firmly set and plainly mkd. This cor. now functions as the cor. of secs. 30 and 31, T. 12 S., R. 4 W., only, mkd.

T12S
S36 | S30
 | S31
R5W R4W
60
1911

Land, rolling.
Soil, sandy.
Timber, none.
Undergrowth, moderate sage on N. 23.50 chs.

N. 0° 04' W., along the W. bdy. of sec. 30, T. 12 S., R. 4 W.

Over gently rolling desert land, through moderate sage.

2.25

Point for the cor. of secs. 25 and 36, T. 12 S., R. 5 W.

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

T12S
R5W R4W
S25 | S30
S36 |
1960

Deposit charcoal in the hole.

Asc. 50 ft. over gently rolling land, through moderate sage.

30.80

Enter scattered juniper, bears irregularly E. and W.

39.95

The cor. originally set to function as the ¼ sec. cor. of secs. 25 and 30, mkd. by a 1 in. iron post, firmly set and plainly mkd. This cor. now functions as the ¼ sec. cor. of sec. 30, T. 12 S., R. 4 W. only, mkd.

¼
S30
60
1911

N. 0° 01' E., along the W. bdy. of sec. 30, beginning new measurement.

Asc. 10 ft. through moderate juniper.

2.30

Point for the ¼ sec. cor. of sec. 25, T. 12 S., R. 5 W.

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

T12S
R5W R4W
¼ |
S25 |
1960

Deposit glass in the hole.

Dependent Resurvey, Portion of West Boundary, T. 12 S., R. 4 W.

- Chains
- Asc. 30 ft. over gentle S. slope, through moderate juniper.
- 18.20 Crest of ridge, bears S. and NE.; desc. 10 ft. over gentle NW. sl
- 30.90 Bottom of sagebrush covered draw, drains SW.; asc. 30 ft. over gen
SW. slope, through moderate juniper.
- 40.00 The closing cor. of secs. 19 and 30, T. 12 S., R. 4 W., mkd. by a 2
in. iron post, conforming to the official record.

N. 0° 01' E., along the W. bdy. of sec. 19, beginning new meas
Over gently rolling land.

- 2.14 The cor. of secs. 24 and 25, T. 12 S., R. 5 W., mkd. by a 3 ins.
iron post, conforming to the official record.

Land, rolling.
Soil, sandy.
Timber, scattered to moderate juniper.
Undergrowth, moderate sage, scattered grass.

Survey of a Portion of the Subdivision of T. 12 S., R. 5 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.

Over rolling barren sand dunes; asc. 70 ft.

- 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., 18 ins. in loose s
with brass cap mkd.

T12S R5W
 $\frac{1}{4}$
S35|S36
1960

Set a steel reinforcing rod, 10 ft. long, $\frac{1}{2}$ in. diam., 6 ft. in the
ground, 0.02 lks. W. of the cor.

Asc. 30 ft. over rolling sand dunes, through scattered pockets of

- 80.00 Point for the cor. of secs. 25, 26, 35 and 36.
Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in loose s
with brass cap mkd.

T12S R5W
S26|S25
S35|S36
1960

Set a cedar post, 9 ft. long, 4 ins. diam., 4 ft. in the ground, 0.
lks. W. of cor.

Land, rolling sand dunes.
Soil, sandy.
Timber, none.
Undergrowth, scant vegetation.

Survey of Portion of Subdivision, T. 12 S., R. 5 W.

Chains

From the cor. of secs. 25 and 36, on the E. bdy. of the Tp., mkd. by a 3 ins. iron post, described in the resurvey notes of the W. bdy. of T. 12 S., R. 4 W.

West, bet. secs. 25 and 36.

Over rolling desert land, through moderate sage.

Asc. 20 ft.

10.90 Leave sagebrush, enter rolling, barren sand dunes; desc. 20 ft.

39.44 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

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

T12S R5W
 $\frac{1}{4}$ $\frac{S25}{S36}$ W
 C
 1960

Set a steel reinforcing rod, 10 ft. long, $\frac{1}{2}$ in. diam., 4 ft. in the ground, 0.02 lks. N. of cor.; the top 2 ft. of rod painted yellow.

Asc. 10 ft. over E. slope.

39.98 True point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36 falls on steep E. slope of sand dune where it is impractical to set the cor.

Cont. over rolling barren sand dunes.

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

Land, rolling desert land.

Soil, sandy.

Timber, very widely scattered juniper.

Undergrowth, moderate sage on E. 11.00 chs.; scant throughout remainder.

General Description.

The portion of T. 12 S., R. 5 W. surveyed (the south boundary and section 36) is rolling barren sand dunes in section 36, and along the eastern portion of the south boundary; the remainder is rolling sandy hills covered with moderate juniper, interspersed with sage and grass covered flats.

Numerous roads give access to most of the township. Cherry Creek, which enters the township in the northeast part flowing southwest to terminate at the Rockwell Ranch in section 30, affords a permanent water supply. There is some land cultivation in the vicinity of the Rockwell Ranch, but at the present time the grazing of livestock is the predominating interest.

No new developments, improvements or mining activity were noted in this area.

Chains

1. The first chain is a simple chain of 10 links. The first link is 10 units long, the second is 9 units long, the third is 8 units long, and so on, until the tenth link is 1 unit long. The total length of the chain is 55 units.

2. The second chain is a simple chain of 10 links. The first link is 10 units long, the second is 9 units long, the third is 8 units long, and so on, until the tenth link is 1 unit long. The total length of the chain is 55 units.

3. The third chain is a simple chain of 10 links. The first link is 10 units long, the second is 9 units long, the third is 8 units long, and so on, until the tenth link is 1 unit long. The total length of the chain is 55 units.

4. The fourth chain is a simple chain of 10 links. The first link is 10 units long, the second is 9 units long, the third is 8 units long, and so on, until the tenth link is 1 unit long. The total length of the chain is 55 units.

5. The fifth chain is a simple chain of 10 links. The first link is 10 units long, the second is 9 units long, the third is 8 units long, and so on, until the tenth link is 1 unit long. The total length of the chain is 55 units.

6. The sixth chain is a simple chain of 10 links. The first link is 10 units long, the second is 9 units long, the third is 8 units long, and so on, until the tenth link is 1 unit long. The total length of the chain is 55 units.

7. The seventh chain is a simple chain of 10 links. The first link is 10 units long, the second is 9 units long, the third is 8 units long, and so on, until the tenth link is 1 unit long. The total length of the chain is 55 units.

8. The eighth chain is a simple chain of 10 links. The first link is 10 units long, the second is 9 units long, the third is 8 units long, and so on, until the tenth link is 1 unit long. The total length of the chain is 55 units.

9. The ninth chain is a simple chain of 10 links. The first link is 10 units long, the second is 9 units long, the third is 8 units long, and so on, until the tenth link is 1 unit long. The total length of the chain is 55 units.

10. The tenth chain is a simple chain of 10 links. The first link is 10 units long, the second is 9 units long, the third is 8 units long, and so on, until the tenth link is 1 unit long. The total length of the chain is 55 units.

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4-690
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Paul G. Bauer	Transitman
Dan V. Coleman	Chainman
Douglas L. McInelly	Chainman
Stanley F. Greene	Flagman
Gerald V. Thompson	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Boyd S. Owens, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of October, 1959, I have ~~surveyed~~ independently resurveyed a portion of the west boundary of T. 12 S., R. 4 W and survey of a portion of the south boundary of T. 12 S., R. 5 W. resurveyed a portion of the south boundary of T. 12 S., R. 5 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
December 16, 1960

Boyd S Owens
Boyd S. Owens
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., SEP 21 1961, 19

The foregoing field notes of the ~~survey of~~ dependent resurvey of a portion of the west boundary of T. 12 S., R. 4 W., survey of a portion of the south boundary and a portion of the subdivision, and the dependent resurvey of a portion of the south boundary of T. 12 S., R. 5 W., Salt Lake Meridian, Utah executed by Boyd S. Owens, Cadastral Surveyor

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

E. E. Pennington
Chief, Division of Engineering

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in Tps. 12 R. 4 & 5 W., SIM, Utah, is a true copy of the original field notes.

Cadastral Surveyor

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

10/20 8 4 AM

ORIGINAL
FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF A PORTION OF THE SOUTH BOUNDARY

AND THE SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 13 SOUTH, RANGE 3 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Boyd S. Owens, Cadastral Surveyor

Under special instructions dated October 16, 1959, which provided
for the surveys included under Group No. 436, approved November 3, 1959
and assignment instructions dated April 28, 1960

Survey commenced June 9, 1960

Survey completed June 15, 1960

INDEX DIAGRAM

Township 13 South, Range 3 West

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31	7	32	5	33	34
5	4		3	2	2

1

111

Township 13 South, Range 3 West

Chains

The north, east and west boundaries were surveyed in 1872 by J. Gorlinski, who also the same year surveyed a portion of the subdivision of T. 13 S.; R. 3 W. These surveys are delineated on the plat of the township approved February 19, 1873. The south boundary was surveyed by S. Richardson in 1884, who also resurveyed a portion of the west boundary and subdivision, shown on the plat of the township approved June 28, 1884. The east one mile of the north boundary was resurveyed by Bird and Nelson in 1944 and shown on the township plat of T. 12 S. R. 3 W.

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 subdivision of T. 13 S., R. 3 W. Authority for omitting corners on the south boundary of the township east of the corner of sections 32 and 33 and method of survey of section 32 granted by Lloyd E. Toland, Assistant Area Cadastral Engineer.

Before restoring the corners, the lines of the original survey were retraced and diligent search made for any evidence of the original corners. When duly identified, the corner positions were remonumented as angle points and new corners established for a portion of the south boundary of the township.

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 lines notes only are supplied herewith, which refer to the completed survey.

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, 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 triangulation. Distances to topography on lines run by triangulation are approximately as estimated. The details of such 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 the sun taken throughout the progress of the survey.

The geographic position for the $\frac{1}{4}$ sec. cor. of sec. 35 on the south boundary of the township is at latitude $39^{\circ} 38' 14''$ N. and longitude $112^{\circ} 08' 42''$ W., as adjusted by traverse from that recorded on the township plat at the southeast corner of T. 13 S., R. 4 W.

The magnetic declination was read at a number of stations along the southern portion of the township and the average of these readings was found to be $16^{\circ} 30'$ E.

Dependent Resurvey of Portion of South Boundary of T. 13 S., R. 3 W.

Reestablishment of surveys executed by S. Richardson in 1884.

The original $\frac{1}{4}$ sec. cor. on the S. bdy. of sec. 35 is monumented by flint stone, 18x14x4 ins., plainly mkd. and firmly set.

Dependent Resurvey of Portion of South Boundary of T. 13 S., R. 3 W.

Chains

At the same location

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T13S R3W

¼ S35

T14S

1960

Bury the original stone cor. alongside the iron post.

From the ¼ sec. cor. of sec. 35,

N. 89° 31' W., along the S. bdy. of sec. 35.

Over rolling, mountainous land.

Asc. 40 ft. over gentle E. slope, through moderate timber.

- 4.90 Low spur, slopes N. 15° E.
- 6.90 Unimproved road, bears N. and S.; asc. 250 ft. over rolling land facing E., through scattered timber, moderate undergrowth.
- 28.70 Spur, slopes irregularly SE.; desc. 90 ft. over SW. slope.
- 35.80 Draw, drains S. 20° E.; asc. 70 ft. over rolling E. slope.
- 40.00 Record dist. for the cor. of secs. 34 and 35; unable to locate any evidence of the original stone cor. The cor. was not remonumented.
- Land, rolling, mountainous.
Soil, sandy clay loam and rocky.
Timber, moderate juniper, E. 6.00 chs.; scattered juniper remainder.
Undergrowth, moderate artemisia, bitterbrush, buckbrush and scattered grass.
- N. 89° 31' W., along the S. bdy. of sec. 34.
- Over rolling, mountainous land.
- Asc. 190 ft. over rolling E. slope, through dense undergrowth.
- 9.40 Spur, slopes S. 20° E.; desc. 20 ft. over W. slope.
- 19.20 Small draw, about 2.00 chs. from head, drains S.; asc. 70 ft. over E. slope.
- 22.50 Finger spur, slopes S.; desc. 70 ft. over S. slope.
- 26.70 Draw, drains S.; asc. 270 ft. over rolling, mountainous land with SE. drainage and exposure.
- 40.00 Record dist. for the ¼ sec. cor. of sec. 34; unable to locate any evidence of the original stone cor. The cor. was not remonumented.
- Cont. along the S. bdy. of sec. 34.
- Asc. 140 ft. over mountainous land facing E., through heavy underg.
- 46.30 Top of ascent, bears N. and S.; desc. 110 ft. over W. slope.
- 52.60 Draw, drains S. circling to SE.; asc. 340 ft. over rolling, mountainous land with SE. drainage and exposure.

Dependent Resurvey, Portion of S. Edy., T. 13 S., R. 3 W.

Chains	
80.00	<p>Record dist. for the cor. of secs. 33 and 34; unable to locate any evidence of the original stone cor. The cor. was not remonumented.</p> <p>Land, rolling, mountainous. Soil, rocky, sandy, clay loam. Timber, scattered juniper. Undergrowth, moderate to dense artemisia, buckbrush, bitterbrush and scattered grass.</p>
	<p>N. 89° 31' W., along the S. bdy. of sec. 33.</p> <p>Over mountainous land.</p> <p>Desc. 30 ft. over SW. slope.</p>
7.20	Draw, drains S.; asc. 360 ft. over rolling E. slope.
18.40	Spur, slopes S.; desc. 190 ft. over NW. slope.
26.60	Bottom of draw, drains irregularly SW.; desc. 40 ft. over rolling SW. slope.
36.20	Slope changes to SE.; asc. 40 ft.
40.00	<p>Record dist. for the $\frac{1}{2}$ sec. cor. on the S. bdy. of sec. 33; unable to locate any evidence of the original stone cor. The cor. was not remonumented.</p> <p>Asc. 30 ft.</p>
44.90	Ridge top, bears irregularly SW. and NE., by triangulation, desc. 610 ft. over NW. slope, through moderate timber.
80.00	<p>Point for the sec. cor. of secs. 32 and 33 on the S. bdy. of the Tp., unable to locate any evidence of the original stone cor.</p> <p>At the cor. point</p> <p>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.</p>
	<p>T13S R3W S32 S33</p>
	<p>T14S 1960</p>
	<p>from which</p> <p>A juniper, 8 ins. diam., bears N. 34° 06' E., 0.68 lks. dist., mkd. T13S R3W S33 BT.</p> <p>A juniper, 6 ins. diam., bears N. 09° 42' W., 0.43 lks. dist., mkd. T13S R3W S32 BT.</p> <p>Land, rolling mountains. Soil, clay loam and rocks. Timber, moderate juniper, W. $\frac{1}{2}$ mile; scattered, remainder. Undergrowth, moderate sage, bitterbrush, buckbrush and grass.</p>

Dependent Portion of S. Bdy. T. 13 S

Chains

N. 89° 31' W., along the S. bdy. of sec. 32.

Over rolling land; desc. 150 ft. along N. 15° W. slope, along the N. edge of moderate junipers.

31.30 Small wash, drains NW.; desc. 10 ft. over gentle W. slope, through moderate sage and scattered juniper.

39.78 The monument, originally set for the 1/4 sec. cor. of sec. 32, mkd. by a sandstone, 10x8x4 ins., firmly set and plainly mkd. This cor. now functions as an angle point only.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T13S R3W

A P

S32

1960

Bury the original stone cor. alongside the iron post.

N. 89° 40' W., along the S. bdy. of sec. 32; beginning new measurement.

.26 Point for the 1/4 sec. cor. of sec. 32, hereinafter described.

Desc. 20 ft. over gentle W. slope, through heavy sage.

7.70 Unimproved dirt road, bears N. and S.; desc. 30 ft.

15.60 Wash, 50 lks. wide, 3 ft. deep, drains N.; asc. 40 ft. over gently rolling land, through scattered clumps of juniper and moderate sage.

36.83 The monument, originally set to function as the cor. of secs. 31 and 32, mkd. by a limestone, 10x10x6 ins., firmly set and plainly mkd.; old fence post set 0.02 lks. W. of the cor. This cor. now functions as an angle point only.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T13S R3W

A P

S32

T14S

1960

Bury the original stone cor. alongside the iron post.

Land, gently rolling.

Soil, clay loam.

Timber, moderate juniper on the extreme E. portion; scattered clumps on remainder.

Undergrowth, moderate artemisia, scattered grass.

Dependent Resurvey, Portion of S. Bdy., T. 13 S., R. 3 W.

Chains	
	S. 89° 33' W., along the S. bdy. of sec. 32, beginning new measurement. Over gently rolling land; desc. 10 ft.
3.46	Point for the closing cor. of secs. 31 and 32, hereinafter described. S. 89° 33' W., along the S. bdy. of sec. 31, continuing measurement. Desc. 10 ft. over gentle W. slope.
7.10	Wash, 40 lks. wide, 3 ft. deep, drains N. 15° E.; asc. 130 ft. over gently rolling land, facing E.
34.10	Jeep road; bears NE. and SW.; asc. 50 ft. over E. slope through moderate juniper.
40.00	Record dist. for the $\frac{1}{4}$ sec. cor. of sec. 31; unable to locate any evidence of the original cor. The cor. was not remonumented. Asc. 10 ft.
44.40	Ridge, bears NE. and SW.; desc. 120 ft. over steep NW. slope, through heavy timber.
56.60	Draw, drains N. 60° E.; asc. 230 ft. over general E. slope.
68.90	Spur, slopes N.; desc. 40 ft. over NW. slope.
72.30	Draw, drains N. 80° E., about 3.00 chs. from head; asc. 60 ft. over E. slope.
76.00	Ridge, bears N. and S.; desc. 150 ft. over W. slope.
86.30	Wash, 40 lks. wide, 2 ft. deep, drains N.; asc. 10 ft. over E. slope.
87.30	The cor. of T. 13 S., Rs. 3 and 4 W., mkd. by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent resurvey of a portion of the E. bdy. of T. 13 S., R. 4 W.
	Land, rolling and mountainous. Soil, sandy clay loam and rocks. Timber, moderate to heavy juniper, E. portion; moderate to scattered on remainder. Undergrowth, moderate artemisia, scattered grass.

Survey of a Portion of the Subdivision of T. 13 S., R. 3 W.

	From the cor. of secs. 32 and 33 on the S. bdy. of the Tp. N. 0° 03' W., along the E. bdy. of sec. 32. Over rolling mountainous land; desc. 60 ft. over N. slope.
4.30	Wash, 40 lks. wide, 1 ft. deep, drains W., jeep road follows along wash. Asc. 130 ft. over S. slope, through scattered timber.
17.30	Spur, slopes W., about 5.00 chs. to end; desc. 290 ft. over NW. slope.
28.50	Gully, drains N. 70° W.; desc. 90 ft. over rolling land, facing N.
40.00	Point for the $\frac{1}{4}$ sec. cor. of sec. 32 on the E. bdy. of the sec. 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.

Portion of Subdivis T. 13 S. R. 3 W.

Chains

T13S R3W

S32

1960

The cor. is located near the base of steep N. slope.

Desc. 50 ft. along the W. side of spur.

- 45.20 Gully, near head, drains N. 70° W.; asc. 40 ft. over SW. slope.
- 51.50 Spur, slopes N. from S. 15° E.; desc. 230 ft. over N. slope.
- 78.50 Wash, 50 lks. wide, 2 ft. deep, drains N. 70° E.; asc. 10 ft. over S. slope. Road alongside S. side of wash.
- 80.00 Point for the NE. cor. of sec. 32.

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.

T13S R3W

S32

1960

from which

A juniper, 12 ins. diam., bears S. 83° 45' W., 18 lks. dist., mkd. T13S R3W S32 BT.

Land, rolling, mountainous.

Soil, sandy clay loam and rocks.

Timber, scattered to moderate juniper.

Undergrowth, moderate artemisia, scattered grass.

From the NE. cor. of sec. 32.

West, along the N. bdy. of sec. 32, over rolling mountainous land.

Asc. 70 ft. along S. slope through moderate juniper and sage.

- 7.80 Gully, drains S.; asc. 80 ft.
- 12.90 Finger spur, slopes S.; asc. 20 ft.
- 19.50 Gully, drains SE.; asc. 70 ft.
- 22.20 Finger spur, slopes S.; desc. 20 ft.
- 24.30 Gully, drains S.; asc. 130 ft.
- 30.20 Finger spur, slopes S.; desc. 20 ft.
- 33.50 Gully drains S.; asc. 80 ft.
- 40.00 Point for the ¼ sec. cor. on the N. bdy. of sec. 32.

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.

Survey, Portion of Subdivision, T. 13 S., R. 3 W.

Chains

T13S R3W

 $\frac{1}{4}$ S32
1960

Asc. 60 ft. along S. slope.

- 44.30 Ridge, bears N. 80° E. and sharply S.; desc. 430 ft. over rolling W. slope, through moderate scrub juniper.
- 73.60 Wash, 50 lks. wide, 3 ft. deep, drains N. 10° W.; asc. 10 ft. over E. slope.
- 76.30 Road, bears N. 10° W. and S. 10° E.; asc. 10 ft. over gentle E. slope, through moderate timber.
- 80.00 Point for the NW. cor. of sec. 32.

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

T13S R3W

S32

1960

from which

A juniper, 8 ins. diam., bears S. 89° 43' E., 20 lks. dist., mkd. T13S R3W S32 BT.

Land, rolling, mountainous.

Soil, sandy clay loam and rocks.

Timber, moderate juniper.

Undergrowth, moderate artemisia, scattered grass.

From the NW. cor. of sec. 32.

S. 0° Q3' E., along the W. bdy. of sec. 32.

Over gently rolling bench land; asc. 120 ft. along E. slope through moderate juniper.

- 40.00 Point for the $\frac{1}{4}$ sec. cor. on the W. bdy. of sec. 32.

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.

T13S R3W

 $\frac{1}{4}$

S32

1960

Asc. 80 ft. over rolling E. slope.

- 69.80 Wash, 40 lks. wide, 3 ft. deep, drains N. 20° E.; leave timber; asc. 40 ft. over nearly level land, through moderate sage.

- 79.51 Intersect the S. bdy. of the Tp. at the point for the closing cor. of secs. 31 and 32.

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

Survey, Portion of Subdivision, T. 13 S. R. 3 W.

Chains

C C
T13S R3W
S31|S32

T14S
1960.

Set a cedar post, 8 ft. long, 4 ins. diam., 3 ft. in the ground. 0.03 lks. N. of the cor.

From this cor., an angle point on the S. bdy. of the Tp. bears N. 89° 33' E., 3.46 chs. dist.

Land, rolling.
Soil, clay loam.
Timber, moderate juniper on N. 69.00 chs.
Undergrowth, moderate to scattered artemisia, scattered grass.

The point for the S. 1/4 sec. cor. of sec. 32 is at midpoint and on the S. bdy. of the Tp.

At the cor. point.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 14 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T13S R3W
1/4 S32

T14S
1960

From this cor. an angle point on the S. bdy. of the Tp. bears S. 89° 40' E., 26 lks. dist.

General Description

The land along the southern position of T. 13 S., R. 3 W. varies from gently rolling sage flats along the south boundary of section 32, to rolling mountains along most of the remainder. The elevation ranges from about 5,800 feet above sea level in section 32 to 7,000 feet above sea level in section 33. The soil at lower elevations is heavy clay loam, becoming rocky and sandy clay loam at higher elevations.

There is a moderate growth of juniper extending over most of the mountain range, with heavy sage, buckbrush, bitterbrush and some grass predominating at lower elevations.

At present limited livestock grazing is the primary interest, with no new developments noted in the southern portion of the township. However, there are indications of an old fence and holding corral in the southwest portion of section 32.

4-680
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
Stanley F. Greene	Flagman
Arnold Mann	Axeman
Ross Workman	Axeman
Jerald V. Thompson	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Boyd S. Owens, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of October, 1959, I have ~~surveyed~~ independently resurveyed a portion of the south boundary, and surveyed a portion of the subdivision of T. 13 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
December 12, 1960

Boyd S Owens
Boyd S. Owens, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., SEP 21 1961, 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 subdivision of T. 13 S., R. 3 W., Salt Lake Meridian, Utah

executed by Boyd S. Owens, Cadastral Surveyor

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

E. E. Remington
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

EAST BOUNDARY OF T. 13 S., R. 6 W.,
THE SOUTH BOUNDARY,
AND A PORTION OF THE EAST BOUNDARY

AND THE SURVEY

OF A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 13 SOUTH, RANGE 5 WEST

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Boyd S. Owens, Cadastral Surveyor

Under special instructions dated October 16, 1959, which provided

for the surveys included under Group No. 436, approved November 3, 1959

and assignment instructions dated April 28, 1960

Survey commenced May 9, 1960

Survey completed June 10, 1960

INDEX DIAGRAM

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Township 13 South, Range 5 West

Chains

A portion of the north boundary was surveyed by J. Gorlinski in 1872; the record appears in the field notes of the south boundary of T. 12 S., R. 5 W. The east boundary was surveyed by J. W. Dougall in 1911; the record appears in the field notes of the west boundary of T. 13 S., R. 4 W. The south boundary was surveyed by Stewart and Clark in 1913; the record appears in the field notes of the north boundary of T. 14 S., R. 5 W. The west boundary was surveyed by J. Bausman in 1869 and the south two miles were resurveyed by Stewart and Clark in 1913; the records appear in the survey of the First Guide Meridian, T. 13 S., Rs. 5 and 6 W., and in the retracement and resurvey notes of the east boundary of T. 13 S., R. 6 W.

The following field notes are those of the dependent resurvey of the east boundary of T. 13 S., R. 6 W., the south boundary and a portion of the east boundary, and the original survey of a portion of the subdivision of T. 13 S., R. 5 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. & 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.

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.

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.

Before restoring the corners of the resurveys, the lines of the original survey were retraced and 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.

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.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 38' 13''$ N. and longitude $112^{\circ} 20' 04.46''$ W., as adjusted by traverse from that recorded on the township plat at the southeast corner of T. 14 S., R. 5 W.

Township 13 South, Range 5 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 $16^{\circ} 30'$ E.

Dependent Resurvey of Portion of the East Boundary, T. 13 S., R. 5 W.

Reestablishment of the survey executed by J. W. Dougall in 1911.

There is no remaining evidence of the cor. of T. 13 S., Rs. 4 and 5 W.

This cor. is reestablished at record dist. W. of the closing cor. of T. 14 S., Rs. 4 and 5 W., and on line bet. the $S\frac{1}{2}$ sec. cor. of sec. 31 T. 13 S., R. 4 W., and the sec. cor. of secs 35 and 36, T. 13 S., R. 5 W.

At the cor. point

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

T13S
R5W R4W
S36 S31
S. 1
T14S R5W
1960

Set a steel reinforcing rod, 10 ft. long, $\frac{1}{2}$ in. diam., 5 ft. in the ground, $\frac{1}{2}$ lk. N. of the cor.; top 2 ft. of reinforcing rod painted yellow.

From the above cor. the closing Tp. cor. of T. 14 S., Rs. 4 and 5 W., bears E. 5.48 chs. dist., mkd. by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

From the Tp. cor. of T. 13 S., Rs. 4 and 5 W.

N. $0^{\circ} 04'$ E., along the E. bdy. of sec. 36.

Over rolling, shifting sand dunes; asc. 50 ft. over S. slope.

7.70 Top of sand dune, bears irregularly E. and W.; desc. 60 ft. over rolling sand dunes.

39.98 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 a steel reinforcing rod, 10 ft. long, $\frac{1}{2}$ in. diam., 5 ft. in the ground to mark the cor. point; top 2 ft. of rod painted yellow.

The cor. point falls on the E. slope of high drifting sand dune where it is impractical to reset an iron post.

Desc. 40 ft. over rolling shifting sand dunes, nearly barren of vegetation, through low pockets of moderate sage.

79.96 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., 20 ins. in loose sand, with brass cap mkd.

Dependent Resurvey, Portion of E. Bdy., T. 13 S., R. 5 W.

Chains

T138
R5W R4W
S25 | S30
S36 | S31
1960

Set a steel reinforcing rod, 10 ft. long, $\frac{1}{2}$ in. diam., 5 ft. in the ground, $\frac{1}{2}$ lk. W. of the cor.; top 2 ft. of rod painted yellow.

Land, rolling, shifting sand dunes.

Soil, sandy.

Timber, none.

Undergrowth, scant vegetation on dunes, pockets of moderate sage.

N. 0° 04' E., along the E. bdy. of sec. 25.

Over rolling, shifting sand dunes.

Asc. 20 ft.

39.98 Point for the $\frac{1}{4}$ sec. cor. of sec. 25, at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 36 ins. long, 1 in. diam., 26 ins. in the ground, with brass cap mkd.

T138
R5W R4W
 $\frac{1}{4}$ |
S25 |
1960

Set a cedar post, 7 ft. long, 4 ins. diam., 3 ft. in the ground, 0.02 lks. W. of cor.

Desc. 10 ft. over N. slope of sand dune.

42.00 Leave sand dunes.; asc. 10 ft. over sandy desert through moderate sage.

79.96 The cor. of secs. 24 and 25, a 3 ins. iron post, set, mkd. and witnessed as described in the official record.

Land, S. 42.00 chs. rolling, shifting sand dunes; remainder, sandy desert land.

Soil, sandy.

Timber, widely scattered scrub juniper.

Undergrowth, moderate sage N. 38.00 chs.

From the cor. of secs. 12 and 13 on the E. bdy. of the Tp., a 3 ins. iron post, set, mkd. and witnessed as described in the official record.

N. 0° 03' W., along the E. bdy. of sec. 12.

Over sandy desert land, through scattered sage.

.93 The closing cor. of secs. 7 and 18, T. 13 S., R. 4 W., a 2 ins. iron post, set, mkd. and witnessed as described in the official record.

Asc. 10 ft. over nearly level desert land.

40.02 The $\frac{1}{4}$ sec. cor. of section 12, 1 in. iron post, 36 ins. long, mkd. conforming to the official record; this cor. was buried 12 ins. below the surface of the ground, reset 24 ins. in ground. No accessories available.

Dependent Resurvey, Portion of E. Bdy., T. 13 S., R. 5 W.

(L.S.)

N. 0° 03' W., beginning new measurement.

Over gently rolling desert land; asc. 40 ft.

18.10 Leave desert land; desc. 10 ft. over rolling barren sand dunes.

40.02 Point for the cor. of secs. 1 and 12, at proportionate dist.; there is no remaining evidence of the original cor.

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

T13S
R5W R4W
S 1 |
S12 |
1960

Deposit glass in the hole.

Land, N. 22.00 chs. barren sand dunes; remainder, gently rolling desert land.

Soil, sandy.

Timber, none.

Undergrowth, scattered sage on S. 58.00 chs.

N. 0° 03' W., along the E. bdy. of sec. 1.

Over rolling, drifting sand dunes, nearly barren of vegetation; asc. 30 ft.

40.02 Point for the ¼ sec. cor. of sec. 1, at proportionate dist.; there is no remaining evidence of the original cor.

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

T13S
R5W R4W
¼ |
S 1 |
1960

Deposit glass in hole.

Asc. 50 ft. over rolling sand dunes.

84.00 Crest of sand dune, bears E. and W.; desc. 20 ft. over N. slope.

85.21 Point for the original cor. of Tps. 12 and 13 S., Rs. 4 and 5 W., at proportionate dist. N. and S., and at record dist. W. of the S. ¼ sec. cor. of sec. 31, T. 12 S., R. 4 W. This point now functions as the cor. of Tps. 12 and 13 S., R. 4 W. only.

At the cor. point

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

T13S R12S
R5W R4W
S 1 | S31
S 6 |
T13S
1960

From this point the ¼ sec. cor. of secs. 31, T. 12 S., R. 4 W., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record bears S. 89° 55' E., 45.90 chs. dist.

Dependent Resurvey, Portion of E. Bdy. of T. 13 S., R. 5 W.

Chains

Set a steel reinforcing rod, 10 ft. long, $\frac{1}{2}$ in. diam., 5 ft. in the sand, 0.02 lks. E. of the cor.; top 2 ft. of rod painted yellow.

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

2.30

Point for the Tp. cor. of Tps. 12 and 13 S., R. 5 W., established E. of the Tp. cor. of Tps. 12 and 13 S., Rs. 5 and 6 W., and on line bet. the Tp. cor. of Tps. 12 and 13 S., R. 4 W., and the sec. cor. of secs. 30 and 31, T. 12 S., R. 4 W.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the sand, with brass cap mkd.

T12S T12S

R5W R4W

S36 | S31

S 1

T13S

1960

Set a steel reinforcing rod, 10 ft. long, $\frac{1}{2}$ in. diam., 5 ft. in the sand, 0.02 lks. W. of the cor.; top 2 ft. of rod painted yellow.

From this cor. the sec. cor. of secs. 30 and 31, T. 12 S., R. 4 W., bears N. $0^{\circ} 04'$ W., 77.75 chs. dist., mkd. by a 3 in. iron post, described in the field notes of the survey of the W. bdy. of T. 12 S., R. 4 W.

Land, rolling drifting sand dunes.

Soil, sandy.

Timber, none.

Undergrowth, scant.

Dependent Resurvey of the South Boundary of T. 13 S., R. 5 W.

Reestablishment of survey executed by Stewart and Clark in 1913.

From the Tp. cor. of T. 13 S., Rs. 4 and 5 W., a $2\frac{1}{2}$ in. iron post, hereinbefore described,

West along the S. bdy. of sec. 36.

Over rolling, drifting sand dunes, nearly batten of vegetation.

39.97

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

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

T13S R5W

 $\frac{1}{2}$ S36

1960

Deposit glass in hole.

The cor. is located on the E. slope of sand dune 20 ft. high.

Asc. 20 ft. over rolling shifting sand dunes.

74.90

The closing cor. of secs. 1 and 2, T. 14 S., R. 5 W., a 2 in. iron post conforming to the official record,

Dependent S. 14 S., T. 13 S., R. 5 W.

Chains

- Desc. 10 ft.
- 79.95 The cor. of secs. 35 and 36, a 3 in. iron post conforming to the official record.

Land, rolling, shifting sand dunes.
Soil, sandy.
Timber, none.
Undergrowth, scant.

- N. 89° 55' W., along the S. bdy. of sec. 35.
- Over rolling, sandy desert land.

Asc. 10 ft.
- 40.01 The 1/4 sec. cor. of sec. 35, mkd. by a 1 in. iron post, conforming to the official record.

N. 89° 58' W., beginning new measurement.
Over rolling desert land, through scattered sage.
- 21.70 Enter sagebrush covered flat, bears irregularly N. and S.
- 35.02 The closing sec. cor. of secs. 2 and 3, T. 14 S., R. 5 W., a 2 in. iron post, plainly mkd., lying loose upon the ground; reset 20 ins. in the ground.
- 40.02 The cor. of secs. 34 and 35, mkd. by a 3 in. iron post conforming to the official record.

Land, rolling desert.
Soil, sandy.
Timber, none.
Undergrowth, scattered to moderate sage.

- S. 89° 59' W., along the S. bdy. of sec. 34.
- Over nearly level sage covered flat.

Desc. 30 ft.
- 31.80 Leave sage flat; asc. 90 ft. over steep E. slope of sandy hill.
- 40.03 Point for the 1/4 sec. cor. of sec. 34, at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in loose sand, with brass cap mkd.

T13S R5W
1/4 S34

1960

Deposit glass in hole.

Asc. 30 ft. over steep E. slope.

40.80 Sandy spur, slopes NE.; asc. 200 ft. over sandy E. slope.

65.80 Slope changes to N.; desc. 20 ft.

Dependent Resurvey, S. Bdy., T. 13 S., R. 5 W.

Chains

75.08 The closing sec. cor. of secs. 3 and 4, T. 14 S., R. 5 W., a 2 in. iron post, plainly mkd., lying loose upon the ground; reset 20 ins. in the ground and in a mound of stone to cap.

From this closing cor. a rocky outcrop bears S. about 1.00 chs. dist.

Asc. 130 ft. over slope, facing N. 15° E.

80.06 Point for the cor. of secs. 33 and 34, 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 loose sand, with brass cap mkd.

T13S, R5W

S33|S34

S 4

T14S

1960

Set a steel reinforcing rod, 10 ft. long, ½ in. diam., 5 ft. in the ground, 0.02 lks. N. of the cor.; the top 2 ft. of steel rod painted yellow.

Land, E. 32.00 chs., sage covered desert; remainder, large sand hills. Soil, sandy.

Timber, none.

Undergrowth, moderate sage on E. 32.00 chs.; remainder, scant undergrowth.

S. 89° 59' W., along the S. bdy. of sec. 33.

Over rolling sand hills.

Asc. 40 ft. over NE. slope.

7.40 Crest of sandy mountain range, bears N. 15° W., and S. 15° E.; desc. 240 ft. over SW. slope through scattered juniper, numerous lava rock outcrops.

40.03 The ½ sec. cor. of sec. 33, mkd. by a 1 in. iron post, conforming to the official record.

Note: The bearing tree originally recorded in the SE. quadrant has blown over. There are no other trees within limits.

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

Leave scattered junipers; desc. 160 ft. over rolling SW. slope.

16.80 Base of slope, bears NW. and SE.; desc. 60 ft. over rolling, shifting sand dunes.

40.13 Point for the sec. cor. of secs. 32 and 33, at proportionate dist.; there is no remaining evidence of the original cor.

Set a steel reinforcing rod, 10 ft. long, ½ in. diam., 5 ft. in loose sand, to mark the cor. point; file 4 notches on the E. side and 2 notches on the W.; top 2 ft. of rod painted yellow.

... B. Bdy., T. 13 S., R. 15 W.

Chains

and

Land, E. 57.00 chs., mountainous; remainder, rolling sand dunes.
Soil, sandy with lava outcrops in E. 57.00 chs.
Timber, scattered juniper in E. 1/2 mile.
Undergrowth, scant.

N. 89° 57' W., along the S. bdy. of sec. 32.

Over rolling, shifting sand dunes.

Asc. 20 ft.

40.13 Point for the 1/4 sec. cor. of sec. 32, at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, with brass cap mkd.

T13S R5W

1/4 S32

1960

No accessories available.

Desc. 70 ft. over rolling sand dunes.

80.25 Point for the sec. cor. of secs. 31 and 32, at proportionate dist.; there is no remaining evidence of the original cor.

Set a steel reinforcing rod, 10 ft. long, 1/2 in. diam., 5 ft. in the sand to mark the cor. point; file 5 notches on the E. and 1 notch on the W. side; top 2 ft. of rod painted yellow.

Due to the shifting nature of the sand at the cor. point, no iron post was set.

Land, rolling, shifting sand dunes.

Soil, sandy.

Timber, none.

Undergrowth, scattered shadscale and rabbit brush.

N. 89° 57' W., along the S. bdy. of sec. 31.

Over gently rolling desert land.

Asc. 40 ft.

40.13 Point for the 1/4 sec. cor. of sec. 31, at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, with brass cap mkd.

T13S R5W

1/4 S31

1960

The cor. is located on a gentle S. slope.

Desc. 70 ft. over gently rolling land, facing S.

65.00 Begin ascent over E. slope; asc. 30 ft.

70.00 Spur, slopes S.; desc. 110 ft. over sandy land, facing W.

Dependent Resurvey, S. Bdy., T. 13 S., R. 5 W.

Chains

87.17 The closing Tp. cor. of Tps. 13 and 14 S., R. 5 W., mkd. by a 3 ins. iron post conforming to the official record.

Land, rolling.
Soil, sandy.
Timber, none.
Undergrowth, scattered shadscale, thistle and sage.

Dependent Resurvey of the East Boundary of T. 13 S., R. 6 W.

Reestablishment of surveys executed by J. Bausman in 1869 and resurveyed by Stewart and Clark in 1913.

There is no remaining evidence of the SE. cor. of T. 13 S., R. 6 W. This cor. is reestablished at record dist. E. of the closing cor. of T. 14 S., Rs. 5 and 6 W.

At the cor. point

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

T13S		
R6W		
S36		S 6
T14S		R5W
		1960

This cor. is located on a new four strand barbed wire fence bearing N. 0° 08' W. and irregularly S.

From the above cor. the closing cor. of T. 14 S., Rs. 5 and 6 W. bears W. 4.14 chs. dist., mkd. by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

Beginning at the SE. cor. of T. 13 S., R. 6 W.

N. 0° 08' W., along the E. bdy. of sec. 36.

Over rolling, shifting sand dunes.

6.54 The closing cor. of Tps. 13 and 14 S., R. 5 W., a 3 ins. iron post, set, mkd. and witnessed as described in the official record.

This cor. is located on fence line bearing N. 0° 08' W. and S. 0° 08' E.

40.96 Point for the ¼ sec. cor. of sec. 36, 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.

T13S	
R6W	R5W
¼	
S36	
	1960

The cor. is located on a new fence line bearing N. 0° 08' W. and S. 0° 08' E.

Cont. over rolling sand dunes.

51.77 Record dist. for ¼ sec. cor. of sec. 31, T. 13 S., R. 5 W.; there is no remaining evidence of this cor.; the cor. was not remonumented.

Dependent Resurvey, E. Bdy., T. 13 S., R. 5 W.

- Chains
65.80 Fence, bears NE. and S. $0^{\circ} 08' E.$; asc. 20 ft. over sand dune.
74.07 Same fence as one at 65.80, bears N. $0^{\circ} 08' W.$ and SE.
81.04 Point for the closing cor. of secs. 25 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., 20 ins. in the ground, with brass cap mkd.

T13S
R6W R5W
C S25 | S31
C S36 |
1960

This cor. is located on fence line bearing N. $0^{\circ} 08' W.$ and S. $0^{\circ} 08' E.$

Land, rolling desert, sand dunes 5 to 20 ft. high.
Soil, sandy.
Timber, none.
Undergrowth, scattered shadscale, sage and thistle.

N. $0^{\circ} 08' W.$, along the E. bdy. of sec. 25.

Over rolling shifting sand dunes, through scattered shadscale, sage and thistle.

- 10.90 The cor. originally set to function as the cor. of secs. 30 and 31, T. 13 S., R. 5 W., a 3 ins. iron post, firmly set and plainly mkd.; this cor. now functions as an angle point.

T13S
AP
R6W R5W
S25 | S30
1960
1913

This cor. is located on fence line bearing N. $0^{\circ} 08' W.$ and S. $0^{\circ} 08' E.$

N. $0^{\circ} 08' W.$, along the E. bdy. of sec. 25, beginning new measurement.

Asc. 30 ft. over rolling sand dunes.

- 29.29 Point for the $\frac{1}{4}$ sec. cor. of sec. 25, 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.

T13S
R6W R5W
 $\frac{1}{4}$ |
S25 |
1960

This cor. is located on fence line bearing N. $0^{\circ} 08' W.$ and S. $0^{\circ} 08' E.$

Asc. 30 ft. over rolling, shifting sand dunes.

Reestablishment of Survey, T. 13 S., R. 5 W., Sec. 24, T. 13 S., R. 5 W., Sec. 24

Chains

39.95

The cor. originally set to function as the $\frac{1}{4}$ sec. cor. of sec. 30, T. 13 S., R. 5 W., a 1 in. iron post, plainly mkd.; this cor. was lying loose upon the ground and was removed and destroyed.

69.48

Point for the sec. cor. of secs. 24 and 25, at proportionate dist.; the cor. originally set, a 2 in. iron post, plainly mkd., was hanging in the fence; reset 22 ins. in the ground, with brass cap mkd.

T13S R5W
R6W S19

S24 C S30
S25 C

1960

1913

This cor. is located on fence line, bearing N. 0° 08' W. and S. 0° 08' E.

Land, rolling desert.

Soil, sandy.

Timber, none.

Undergrowth, scattered shadscale, sage and thistle.

N. 0° 08' W., along the E. bdy. of sec. 24.

Over rolling desert land, through scattered thistle, sage and shadscale.

10.57

The cor. originally set to function as the sec. cor. of secs. 19 and 30, T. 13 S., R. 5 W., a 3 in. iron post, firmly set, and plainly mkd. this cor. now functions as an angle point.

T13S R5W

A.P.

R6W

S24 S19

1960

1913

This cor. is located on fence line, bearing irregularly N. and S. 0° 08' E.

Reestablishment of surveys executed by J. Bausman in 1869, beginning new measurement.

N. 0° 35' E. along the E. bdy. of sec. 24, beginning new measurement.

Over rolling sand dunes; asc. 10 ft.

29.64

Point for the $\frac{1}{4}$ sec. cor. of sec. 24, 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., 18 ins. in the ground, with brass cap mkd.

T13S
R6W R5W

$\frac{1}{4}$

S24

1960

Deposit glass in the hole

Dependent Resurvey, N. Bdy., T. 13 S., R. 6 W.

Chains

Asc. 30 ft. over rolling, shifting sand dunes.

69.86 Point for the cor. of secs. 13 and 24, at proportionate dist.; there is no remaining evidence of the original cor.

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

T13S
R6W R5W
S13
S24
1960

Set a cedar post, 7 ft. long, 4 ins. diam., 30 ins. in the ground, 0.03 lks. W. of the cor.

From this cor. a N.- S. fence line, bears W. 6.84 chs. dist.

Land, rolling desert.

Soil, sandy.

Timber, widely scattered juniper.

Undergrowth, scattered shadscale, thistle, sage and grass.

N. 0° 35' E., along the E. bdy. of sec. 13.

Over gently rolling desert land, through scattered juniper.

Asc. 10 ft.

40.12 Point for the ¼ sec. cor. of sec. 13, at proportionate dist.; there is no remaining evidence of the original cor.

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

T13S
R6W R5W
¼
S13
1960

Deposit glass in the hole

From the cor. a N.- S. fence line, bears W. 1.45 chs. dist.

Asc. 40 ft. over rolling sand dunes.

80.24 Point for the sec. cor. of secs. 12 and 13, at proportionate dist.; there is no remaining evidence of the original cor.

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

T13S
R6W R5W
S12
S13
1960

from which

A juniper, 10 ins. diam., bears N. 40° 13' W., 0.85 lks. dist., mkd. T13S R6W S12

N.- S. fence line, bears W. 1.94 chs. dist.

Dependent Resurvey, E. Bdy., T. 13 S., R. 6 W.

Chains

Land, rolling desert.
Soil, sandy.
Timber, scattered juniper.
Undergrowth, scattered sage, shadscale, thistle and grass.

N. 0° 35' E., along the E. bdy. of sec. 12.

Over rolling desert land, through scattered junipers; asc. 20 ft.

40.12 Point for the 1/4 sec. cor. of sec. 12, at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, with brass cap mkd.

T13S
R6W R5W
1/4
S12
1960

Deposit charcoal in hole.

N.- S. fence line, bears W. 2.46 chs. dist.

Asc. 30 ft. over SW. slope through scattered juniper.

80.24 Point for the sec. cor. of secs. 1 and 12, at proportionate dist.; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground and in a mound of stone to top, with brass cap mkd.

T13S
R6W R5W
S 1
S12
1960

from which

A juniper, 8-ins. diam., bears S. 21° 45' W., 1.16 chs. dist., mkd. T13S R6W S12 BT.

N.- S. fence line, bears W. 2.97 chs. dist.

Land, rolling desert.
Soil, sandy.
Timber, scattered juniper.
Undergrowth, scattered sage, shadscale, thistle and grass.

N. 0° 35' E., along the E. bdy. of sec. 1.

Over rolling desert, through scattered juniper.

Asc. 30 ft. over SW. slope.

2.20 Spur, slopes W.; desc. 40 ft. over N. slope.

10.00 Base of spur; desc. 10 ft. over nearly level land.

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

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, with brass cap mkd.

Dependent Resurvey, S. Bdy., T. 13 S., R. 5 W.

Chains

T13S
R6W R5W
S 1
1960

from which

A juniper, 14 ins. diam., bears N. 78° 30' W., 0.57 lks. dist., mkd. T13S R6W ½ S1 BT.

N.- S. fence line, bears W. 2.496 chs. dist.

Asc. 10 ft.

91.27 The cor. of Tps. 12 and 13 S., Rs. 5 and 6 W., mkd. by a 1 in. wooden cross which is in harmony with the original bearing tree.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T12S
R6W R5W
S36 | S31
S 1 | S 6
T13S
1960

from which

The original bearing tree, a juniper 12 ins. diam., bears N. 51° 45' E., 90 lks. dist., dim scribe mks, on the SW. face.

Land, rolling desert.

Soil, sandy.

Timber, scattered juniper.

Undergrowth, scattered sage, grass, shadscale and thistle.

Survey of a Portion of the Subdivision of T. 13 S., R. 5 W.

From the sec. cor. of secs. 35 and 36, on the S. bdy. of the Tp., by a 3 in. iron post, previously described.

N. 0° 01' W., bet. secs. 35 and 36.

Over rolling sand dunes through scattered to moderate sage.

Asc. 20 ft.

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

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

T13S R5W
S35 | S36
1960

Deposit charcoal in the hole.

Cont. over gently rolling desert land through moderate sage.

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

Survey, Portion of Subdivision, T. 13 S., R. 5 W.

Chains

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

T13S R5W

S26|S25

S35|S36

1960

Set a cedar post, 8 ft. long, 4 ins. diam., 3 ft. in the ground, 0.04 lks. W. of the cor.

Land, gently rolling.
Soil, sandy, S. 50 chs.; sandy, clay loam, N. 30 chs.
Timber, none.
Undergrowth, scattered sage, S. 50 chs.; moderate to heavy sage, N. 30 chs.

Beginning at the sec. cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp., mkd. by a 2½ in. iron post, previously described.

N. 89° 59' W., bet. secs. 25 and 36.

Over rolling, shifting sand dunes, nearly barren of vegetation.

Asc. 20 ft.

40.01 Point for the ¼ sec. cor. of secs. 25 and 36.

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

T13S R5W

¼ S25

S36

1960

Deposit glass in the hole.

The cor. is located on the N. slope of sand dune.

Desc. 10 ft. over rolling sand dunes.

49.60 Leave rolling sand dunes; enter sagebrush flat; asc. 10 ft.

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

Land, E. 49.60 chs., rolling sand dunes; remainder, sage covered flat.
Soil, E. 49.60 chs., sandy; remainder, sandy, clay loam.
Undergrowth, heavy sage, W. 30.40 chs.; remainder, scant sage.

From the sec. cor. of secs. 33 and 34 on the S. bdy. of the Tp., monumented with an iron post, 2½ ins. diam., previously described.

N. 0° 02' W., bet. secs. 33 and 34.

Over rolling sand hills.

Desc. 90 ft. over N. slope.

11.00 Slope changes to E.; desc. 150 ft.

40.00 Point for the ¼ sec. cor. of secs. 33 and 34.

Survey, Portion of Subdivision, T. 13 S., R. 5 W.

Chains

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

T13S R5W

$$\begin{array}{r} \frac{1}{2} \\ \hline \text{S33} | \text{S34} \\ \hline 1960 \end{array}$$

Set a steel reinforcing rod, 10 ft. long, $\frac{1}{2}$ in. diam., 5 ft. in the ground, 0.02 lks. W. of cor.; top 2 ft. of rod painted yellow.

Desc. 110 ft. over gently rolling sand dunes.

80.00

Point for the sec. cor. of secs. 27, 28, 33 and 34.

Set an iron post, 36 ins. long, 1 in. diam., 24 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T13S R5W

$$\begin{array}{r} \frac{1}{2} \\ \hline \text{S28} | \text{S27} \\ \hline \text{S33} | \text{S34} \\ \hline 1960 \end{array}$$

Land, S. $\frac{1}{2}$ mile, sandy mountains; N. $\frac{1}{2}$ mile, rolling sand dunes with small rocky outcrop 0.50 lks. E. of sec. cor.

Soil, sandy.

Timber, none.

Undergrowth, scant.

N. $0^{\circ} 02' W.$, bet. secs. 27 and 28.

Over rolling sand dunes, through scattered sage.

Desc. 20 ft.

40.00

Point for the $\frac{1}{2}$ sec. cor. of secs. 27 and 28.

Set an iron post, 36 ins. long, 1 in. diam., 28 ins. in the ground, with brass cap mkd.

T13S R5W

$$\begin{array}{r} \frac{1}{2} \\ \hline \text{S28} | \text{S27} \\ \hline 1960 \end{array}$$

Set a steel reinforcing rod, 10 ft. long, $\frac{1}{2}$ in. diam., 5 ft. in the ground, 0.02 lks. W. of the cor.; top 2 ft. of rod painted yellow.

Desc. 20 ft. over rolling sand dunes, through scattered pockets of sage.

80.00

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

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

T13S R5W

$$\begin{array}{r} \frac{1}{2} \\ \hline \text{S21} | \text{S22} \\ \hline \text{S28} | \text{S27} \\ \hline 1960 \end{array}$$

Deposit charcoal in the hole.

The cor. is located at the S. base of sand dune, in a brushy pocket.

Survey, Section of Subdivision, T. 13 S., R. 5 W.

Chains

Land, rolling sand dunes.
Soil, sandy.
Timber, none.
Undergrowth, scattered pockets of moderate sage.

N. 0° 02' W., bet. secs. 21 and 22.

Over rolling sand dunes.

Asc. 20 ft. over S. slope of rolling sand dune.

2.60 Top of sand dune; desc. 10 ft. over rolling sand dunes, through scattered pockets of sage.

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

Set an iron post, 36 ins. long, 1 in. diam., 28 ins. in loose sand, with brass cap mkd.

T13S R5W

S21	S22
1960	

Set a steel reinforcing rod, 10 ft. long, $\frac{1}{2}$ in. diam., 5 ft. in the ground, 0.02 lks. W. of the cor.

The cor. is located on W. slope of sand dune.

Cont. over rolling sand dunes, nearly barren of vegetation.

80.00 Point for the sec. 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.

T13S R5W

S16	S15
S21	S22
1960	

Set a steel reinforcing rod, 10 ft. long, $\frac{1}{2}$ in. diam., 5 ft. in the ground, 0.02 lks. W. of the cor.; top 2 ft. of rod painted yellow.

Land, rolling shifting sand dunes.

Soil, sandy.

Timber, none.

Undergrowth, scant.

N. 0° 02' W., bet. secs. 15 and 16.

Over rolling, shifting sand dunes.

Asc. 10 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 36 ins. long, 1 in. diam., 26 ins. in the sand, with brass cap mkd.

Portion of T. 13 S. R. 5 W.

Chains

T13S R5W

¼

S16|S15

1960

Set a steel reinforcing rod, 10 ft. long, ½ in. diam., 5 ft. in the ground, 0.02 lks. W. of the cor.; top 2 ft. of rod painted yellow.

Asc. 20 ft. over rolling, barren sand dunes.

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

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

T13S R5W

S 9|S10

S16|S15

1960

Deposit charcoal in hole.

Land, rolling, shifting sand dunes.

Soil, sandy.

Timber, none.

Undergrowth, none.

N. 0° 02' W., bet. secs. 9 and 10.

Over rolling, shifting sand dunes, scant vegetation..

Asc. 40 ft.

40.00 Point for the ¼ sec. cor. of secs. 9 and 10.

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

T13S R5W

¼

S 9|S10

1960

Set a steel reinforcing rod, 10 ft. long, ½ in. diam., 5 ft. in the ground, 0.02 lks. W. of the cor.; top 2 ft. of rod painted yellow.

The cor. is located at the base of sand dune, facing S.

Asc. 30 ft. over rolling sand dunes.

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

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.

T13S R5W

S 4|S 3

S 9|S10

1960

Set a steel reinforcing rod, 10 ft. long, ½ in. diam., 5 ft. in the ground, 0.02 lks. W. of the cor.; top 2 ft. of rod painted yellow.

The cor. is located on N. slope of sand dune.

Land, rolling desert.

Soil, sandy.

Timber, none; Undergrowth, scant.

Survey, Portion of Subdivision, T. 13 S., R. 5 W.

Chains

N. 0° 02' W., bet. secs. 3 and 4.

Over rolling sand dunes, scant vegetation.

Asc. 20 ft.

27.70 Leave barren sand dunes; enter medium growth of large junipers; bears N. 40° E. and S. 40° W.; desc. 10 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T13S R5W

S 4 | S 3

1960

from which

A juniper, 14 ins. diam., bears N. 86° 39' E., 2.52 chs. dist., mkd. T13S R5W $\frac{1}{4}$ S3 BT.

Asc. 20 ft. over rolling land, through moderate junipers and pockets of heavy sage.

80.00 Point for the $\frac{1}{16}$ cor. of secs. 3 and 4.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T13S R5W

1/16

S 4 | S 3

80 | 00

1960

from which

A juniper, 10 ins. diam., bears S. 56° 07' E., 47 lks. dist., mkd. T13S R5W $\frac{1}{16}$ S3 BT.

Asc. 20 ft. over SW. slope.

86.90 The sec. cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., a $2\frac{1}{2}$ in. iron post, described in the survey notes of the S. bdy. of T. 12 S., R. 5 W.

Land, rolling.

Soil, sandy.

Timber, moderate juniper, N. 60.00 chs.; no timber, remainder.

Undergrowth, moderate sage, N. 60.00 chs.; scant undergrowth, remainder.

From the sec. cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., a $2\frac{1}{2}$ in. iron post, described in the survey notes of the S. bdy. of T. 12 S., R. 5 W.

S. 0° 01' E., bet. secs. 1 and 2.

Over rolling, shifting sand dunes.

Desc. 10 ft.

Survey, Portion of Subdivision, T. 13 S., R. 5 W.

Chains

7.31 Point for the 1/16 cor. of secs. 1 and 2.
Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, with brass cap mkd.

T13S R5W

1/16

S 2 | S 1

80 | 00

1960

Deposit charcoal in the hole.

The cor. is located in small sage pocket.

Desc. 40 ft. over rolling sand dunes.

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

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

T13S R5W

¼

S 2 | S 1

1960

Deposit charcoal in the hole.

Desc. 50 ft. over rolling sand dunes.

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

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

T13S R5W

S 2 | S 1

S11 | S12

1960

Set a steel reinforcing rod, 10 ft. long, ½ in. diam., 5 ft. in the ground, 0.02 lks. W. of the cor.

Land, rolling sand dunes.

Soil, sandy.

Timber, none.

Undergrowth, scant.

From the sec. cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., a 2½ in. iron post, described in the survey notes of the S. bdy. of T. 12 S., R. 5 W.

S. 0° 01' E., bet. secs. 2 and 3.

Over rolling sand dunes, nearly barren of vegetation.

Asc. 20 ft. over N. slope of sand dune.

2.30 Top of sand dune; desc. 10 ft. over rolling desert land.

7.11 Point for the 1/16 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.

Survey, Portion of Subdivision, T. 13 S., R. 5 W.

Chains

T13S R5W
 1/16
 S 3 | S 2
 80.00
 1960

Set a cedar post, 6 ft. long, 4 ins. diam., 2 ft. in the ground, 0.02 lks. W. of the cor.

Cont. over nearly barren sand dunes.

22.10 Enter rolling desert land covered with moderate low sage and dead juniper trees; desc. 50 ft.

47.11 Point for the 1/4 sec. cor. of secs. 2 and 3.

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

T13S R5W
 1/4
 S 3 | S 2
 1960

Deposit glass in the hole and around the iron post.

The cor. is located on the N. slope of large sand dune.

Desc. 100 ft. over rolling sand dunes, through moderate low sage.

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

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

T13S R5W
 S 3 | S 2
 S10 | S11
 1960

Set a steel reinforcing rod, 10 ft. long, 1/2 in. diam., 5 ft. in the sand, 0.02 lks. W. of the cor.

Land, rolling sand dunes.
 Soil, sandy.
 Timber, scattered dead junipers.
 Undergrowth, scattered to moderate brush, scattered grass.

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

N. 89° 51' W., bet. secs. 2 and 11.

Over rolling sand dunes through scattered pockets of brush.

Asc. 20 ft.

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

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

T13S R5W
 1/4 S 2
 S11
 1960

Portion of T. 13 S., R. 5 W.

Chains

Deposit glass in the hole.

The cor. is located on W. slope of sand dune.

Desc. 80 ft. over nearly barren sand dunes.

50.40 Leave barren sand dunes; asc. 30 ft. over rolling desert land through moderate low brush and grass.

80.00 The sec. cor. of secs. 2, 3, 10 and 11.

Land, rolling sandy desert.
Soil, sandy.
Timber, none.
Undergrowth, scattered to moderate low brush and grass.

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

N. 89° 58' W., bet. secs. 16 and 21.

Over rolling, drifting, barren sand dunes.

Desc. 10 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., 22 ins. in the sand, with brass cap mkd.

T13S R5W

1/4 S16

S21

1960

Deposit charcoal in the hole.

The cor. is located on the W. slope of rolling sand dune.

Desc. 10 ft. over rolling sand dunes through scattered pockets of brush.

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

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

T13S R5W

S17 | S16

S20 | S21

1960

Set a steel reinforcing rod, 10 ft. long, 1/2 in. diam., 5 ft. in the ground, 0.02 lks. W. of the cor.; top 2 ft. of the steel rod painted yellow.

Land, rolling sand dunes.

Soil, sandy.

Timber, none.

Undergrowth, scant.

Survey, Portion of Subdivision, T. 13 S., R. 5 W.

Chains	<p>N. 0° 03' W., bet. secs. 16 and 17.</p> <p>Over rolling sand dunes, through pockets of brush.</p> <p>Asc. 40 ft.</p>
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 22 ins. in the sand, with brass cap mkd.</p> <p style="text-align: center;">T13S R5W $\frac{1}{4}$ S17 S16 1960</p>
	<p>Deposit charcoal in the hole.</p> <p>The cor. is located in small brush covered pocket.</p>
	<p>Asc. 90 ft. over rolling sand dunes, through scattered pockets of brush.</p>
80.00	<p>Point for the sec. cor. of secs. 8, 9, 16 and 17.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 22 ins. in loose sand, with brass cap mkd.</p> <p style="text-align: center;">T13S R5W S 8 S 9 S17 S16 1960</p>
	<p>from which</p> <p>A juniper, 15 ins. diam., bears N. 8° 55' E., 3.27 chs. dist., mkd. T13S R5W S9 BT.</p> <p>Set a cedar post, 6 ft. long, 4 ins. diam., 2 ft. in the sand, 0.02 lks. W. of the cor.</p> <p>Land, rolling sand dunes. Soil, sandy. Timber, widely scattered juniper. Undergrowth, scattered pockets of brush.</p>
	<p>From the sec. cor. of secs. 9, 10, 15 and 16.</p> <p>N. 89° 56' W., bet. secs. 9 and 16.</p> <p>Over rolling barren sand dunes.</p>
	<p>Asc. 20 ft.</p>
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone, to top, with brass cap mkd.</p> <p style="text-align: center;">T13S R5W $\frac{1}{4}$ S 9 S16 1960</p>
40.40	<p>Rocky spur, slopes S. 3.00 chs. to end; medium growth of junipers along spur top.</p>

Survey, Portion of Subdivision, T. 13-S. R. 5 W.

- Chains
- Asc. 30 ft. over rolling barren sand dunes.
- 80.00 The sec. cor. of secs. 8, 9, 16 and 17.
- Land, rolling.
Soil, sandy, with the exception of rocky spur top.
Timber, moderate juniper along spur top.
Undergrowth, scant.
- From the sec. cor. of secs. 32 and 33 on the S. bdy. of the Tp.,
monumented by a steel reinforcing rod, previously described.
- N. 0° 03' W., bet. secs. 32 and 33.
- Over rolling, barren sand dunes.
- Asc. 100 ft.
- 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., 24 ins. in the sand,
with brass cap mkd.
- T13S R5W
 $\frac{1}{2}$
S32 | S33
1960
- Deposit charcoal in the hole.
- Asc. 40 ft. over nearly barren sand dunes.
- 47.00 Base of spur; asc. 220 ft. over steep, rocky SW. slope.
- 57.10 Crest of rocky spur, slopes sharply W.; desc. 180 ft. over steep,
rocky N. slope.
- 64.60 Base of spur; desc. 120 ft. over rolling sand hills, rocky outcrops,
and widely scattered junipers.
- 80.00 Point for the sec. 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.
- T13S R5W
S29 | S28
S32 | S33
1960
- from which
- A juniper, 8 ins. diam., bears N. 34° 24' E., 4.01 chs.
dist., mkd. T13S R5W S28 BT.
- Land, rolling sand dunes, broken by rocky spur and outcrops in
northern portion.
Soil, sandy and rocky.
Timber, widely scattered juniper in N. portion.
Undergrowth, scant.

Survey, Portion of Subdivision, T. 138, R. 5W.

Chains

From the sec. cor. of secs. 31 and 32 on the S. bdy. of the Tp., monumented by a steel reinforcing rod, previously described, on the S. bdy. of the Tp., R. 5W.

N. 0° 03' W., bet. secs. 31 and 32.

Over rolling sand dunes, through scattered brush.

Asc. 260 ft. over S. slope.

40.00

Point for the 1/4 sec. cor. of secs. 31 and 32.

Set an iron post, 36 ins. long, 1 in. diam., 24 ins. in the ground and in a mound of stone to top, with brass cap mkd.

T13S R5W

S31 | S32

1960

Asc. 60 ft. over steep S. slope.

44.10

Summit of range of hills, bears irregularly N. 70° E. and W.; desc. 160 ft. over steep rocky N. slope.

64.70

Base of descent; asc. 110 ft, over SW. slope through scattered juniper.

73.60

Rocky spur, slopes W.; desc. 140 ft. over N. slope.

80.00

Point for the sec. cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, with brass cap mkd.

T13S R5W

S30 | S29

S31 | S32

1960

from which

A juniper, 7 ins. diam., bears N. 53° 57' E., 4.91 chs. dist., mkd. T13S R5W S29 BT,

Land, rolling and broken.

Soil, sandy and rocky.

Timber, scattered juniper in N. portion.

Undergrowth, scattered brush, widely scattered grass.

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

N. 89° 57' W., bet. secs. 29 and 32.

Over rolling sand dunes, through pockets of brush and grass.

Asc. 60 ft.

31.82

Point selected for the witness 1/4 sec. cor. of secs. 29 and 32.

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

Portion of Subdivision T. 13 S., R. 5 W.

Chains

T13S R5W

S29 W

S32 E

1960

Deposit charcoal in the hole.

The cor. is located in small grass covered pocket.

Asc. 180 ft. over rolling SE. slope of large sand hill.

40.12 True point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32 falls on steep sandy slope where it is impractical to set the cor.

Asc. 50 ft. over general E. slope.

42.20 Sandy ridge top, bears irregularly NE. and SW.; desc. 90 ft. over nearly barren rolling sand dunes.

66.30 Leave barren sand dunes, enter scattered junipers; asc. 20 ft. over rocky E. slope.

68.30 Rocky ridge, bears irregularly N. and S.; desc. 190 ft. over steep W. slope.

80.25 The sec. cor. of secs. 29, 30, 31 and 32.

Land, rolling and broken.

Soil, sandy and rocky.

Timber, scattered juniper, W. 14.00 chs.

Undergrowth, pockets of moderate sage and grass, otherwise barren.

General Description

The land in T. 13 S., R. 5 W. is almost entirely rolling sand dunes and sand covered hills. The surface soil is light drift sand, with a hard clay soil found at extremely low elevations between sand dunes; volcanic rock outcrops are found at higher elevations. Sand dunes throughout the township vary in elevation from 5 to 50 feet, with numerous sage covered pockets found between dunes. The general elevation of the township ranges from about 4,800 feet to 5,600 feet above sea level, the highest point being in the south central portion. Other mountains are located along the west, northwest and east central part of the township. There is a moderate growth of juniper on the mountains in the west and northwest, and scattered to widely scattered junipers on or near the remaining mountain ranges.

There are no known springs or water sources, and only scant undergrowth is found in the township. This limits livestock grazing, which is the only known interest at present, to the outer fringes of the township. The only improvement notes is the construction of a new four strand barbed wire fence along the west boundary of the township.

Due to the drifting nature of the sand, several corner points along the resurveyed boundaries were not remonumented with iron posts; steel reinforcing rods described in the field survey notes were used to mark these points.

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Paul Bauer	Transit
Dan Coleman	Notekeeper
Douglas McInelly	Front chainman
Stan Greene	Flagman
Gerald Thompson	Cornerman and axeman

CERTIFICATE OF CADASTRAL ENGINEER

I, Boyd S. Owens, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of October, 1959, I have ~~surveyed~~ independently resurveyed the east boundary of T. 13 S., R. 6 W., the south boundary and a portion of the east boundary and surveyed a portion of the subdivision of T. 13 S., R. 5 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
December 9, 1960

Boyd S. Owens
Boyd S. Owens
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., SEP 21 1961, 19

The foregoing field notes of the ~~survey of~~ independent resurvey of the east boundary of T. 13 S., R. 6 W., the south boundary and a portion of the east boundary, and the survey of a portion of the subdivision of T. 13 S., R. 5 W., Salt Lake Meridian, Utah executed by Boyd S. Owens, Cadastral Surveyor

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

E. E. Remington
Cadastral Engineering Staff Officer
Chief, Division of Engineering

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 13 S. R. 5 W., SIM, Utah, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

May 3 8 21 AM

ORIGINAL
FIELD NOTES

OF THE

RESURVEY OF

A PORTION OF THE EAST BOUNDARY

A PORTION OF THE SOUTH BOUNDARY

AND

THE SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 13 SOUTH, RANGE 4 WEST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

BOYD S. OWENS, Cadastral Surveyor

Under special instructions dated October 16, 1959, which provided

for the surveys included under Group No. 436, approved Nov. 3, 1959

and assignment instructions dated April 28, 1960

Survey commenced May 5, 1960

Survey completed June 10, 1960

INDEX DIAGRAM

Township 13 SOUTH, *Range* 4 WEST

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					4	

Township 13 South, Range 4 West

Chains

A portion of the north, east and south boundaries, and a portion of the subdivision were surveyed by J. Gorlinski in 1872 and 1873. The west boundary, a portion of the north and south boundaries and a portion of the subdivisional lines were surveyed by J. W. Dougall in 1911, who the same year retraced a portion of the north, south and subdivisional lines of T. 13 S., R. 4 W. A portion of the east boundary was surveyed by S. Richardson in 1883. The above surveys are delineated on the plat of T. 13 S., R. 4 W., approved June 30, 1913. A portion of the south boundary was retraced and resurveyed by Stewart and Clark in 1913 and represented on the plat of T. 14 S., R. 4 W., approved June 30, 1913.

The following field notes are those of the dependent resurvey of a portion of the east and south boundaries, and a survey of a portion of the subdivisional lines of T. 13 S., R. 4 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.

New corners were established on a portion of the east and south boundaries for T. 13 S., R. 4 W., at regular intervals from the corner of T. 13 S., Rs. 3 and 4 W. The old corners along the south boundary, referring to T. 13 S., R. 4 W., were remonumented as angle points and the original corners found on the south one mile of the east boundary were recorded and destroyed in accordance with 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 triangulation. Distances to topography on lines run by triangulation are estimated. The details of such 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 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 $39^{\circ} 38' 14''$ N. and longitude $112^{\circ} 13' 59''$ W. as taken from the plat of T. 13 S., R. 4 W., approved June 30, 1913.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ East.

Dependent Resurvey of a Portion of the East Boundary, T. 13 S., R. 4 W.

Reestablishment of the survey executed by S. Richardson in 1883.

Beginning at the cor. of T. 13 S., Rs. 3 and 4 W., established S. of the $\frac{1}{2}$ cor. of secs. 25 and 30, the E. bdy. of the Tp., and on line bet. the sec. cor. of secs. 31 and 32, T. 13 S., R. 3 W. and the original cor. of Tps. 13 S., Rs. 3 and 4 W., which now functions as an angle point only.

Dependent Resurvey, Portion of E. Bdy., T. 13 S., R. 4 W.

Chains

At the cor. point

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

T13S
R4W R3W
S36 | S31
S. 6
T14S R3W
1960

Thence, North, along the E. bdy. of sec. 36.

Over rolling mountainous land through moderate timber,

Asc. 90 ft. along rolling E. slope.

23.70 Ridge top, bears irregularly N. 15° E. and S. 15° W.; desc. 40 ft. along ridge.

27.50 Jeep road, follows along ridge; desc. 120 ft. along NW. slope.

40.00 Point for the 1/4 sec. cor. of sec. 36.
Set an iron post, 36 ins. long, 1 in. diam., 14 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T13S
R4W R3W
S36 | S31
1960

40.05 The cor. originally set to function as the 1/4 sec. cor. of secs. 31 and 36, mkd. by a one inch iron post, bears W. 99 lks. dist.; there is no record of this survey having been made; I destroy all evidence of this cor.

Desc. 60 ft. over NW. slope.

47.30 Wash, 60 lks. wide, 2 ft. deep, drains N. 15° E. circling to NW.; asc. 30 ft. over SE. slope.

61.00 Spur, slopes E.; desc. 50 ft. over NE. slope.

70.80 Same wash as one at 47.30, drains W. circling to NW.; asc. 80 ft. over S. slope.

75.50 Jeep road, follows along ridge top bearing irregularly N. and SE. circling to S.; desc. 40 ft. over gentle NE. slope.

80.00 Point for the cor. of secs. 25 and 36; there is no remaining evidence of the original stone cor.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T13S
R4W R3W
S25 | S36
1960

Dependent Resurvey of a Portion of the East Boundary, T. 13 S., R. 4 W.

Chains

Land, rolling and mountainous
Soil, sandy clay loam and rocky
Timber, moderate juniper, scattered pinon.
Undergrowth, scattered to moderate sage, bitterbrush, buckbrush and grass.

North, along the E. bdy. of sec. 25

Over rolling mountainous land through moderate timber.

Descend 50 ft. over NE. slope.

13.00 Small draw, near head, drains NE., ascend 20 ft. along SE slope.

18.00 Jeep road, bears irregularly N.15°E. and S.15°W.

19.30 Ridge, bears N.15°E. and S.5°W., descend 190 ft. over NW. slope.

39.90 Wash, 30 links wide, 1 ft. deep, drains N.15°E.

40.43 The original $\frac{1}{4}$ sec. cor. of secs. 25 and 30, a limestone, 16x12x6 inches, firmly set and plainly mkd. mound of stone W.; the bearing tree 40 links West has been destroyed.

At the cor. point

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

T13S

R4W R3W

$\frac{1}{4}$

S25 | S30

1960

Bury the original stone cor. alongside the iron post.

Land, rolling and mountainous
Soil, sandy clay loam and rocky
Timber, moderate juniper, the major portion of which is new growth.

Dependent Resurvey of Portion of South Boundary, T. 13 S., R. 4 W.

Reestablishment of the Survey Executed by Stewart and Clark in 1913.

Beginning at the cor. of T. 13 S., Rs. 3 and 4 W., heretofore described.

S.89°33'W., along the South boundary of sec. 36.

Over rolling mountainous land, through moderate timber.

Ascend 30 ft. over steep E. slope.

1.00 The monument, originally set to function as the cor. of Tps. 13 and 14 S., Rs. 3 and 4 W., a stone, 18x12x10 inches, firmly set and dimly mkd.; this cor. now functions as an angle point only.

At the cor. point

Set an iron post, 30 ins. 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.

E131

Resurvey of a Portion of the South bdy. T. 13 S. R. 4 W.

Chains

T13SR4W
AP
S 36
 1960

Bury the original stone cor. alongside the iron post.

Deface the bearing tree in the SW. quadrant.

Ascend 50 ft. over steep E. slope.

4.10 Small spur, slopes N.20°E., descend 30 ft. over NW. slope.

8.20 Draw, drains NE., ascend 70 ft. over SE. slope.

12.49 The closing cor. of Tps. 14 S., R. 3 W., mkd. by a 3 inch iron post conforming to the official record.

Thence,

South.

1.43 The closing cor. of Tps. 13 and 14 S., R. 4 W., an iron post 3 inches in diam., set mkd., and witnessed as described in the official record.

Thence.

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

Ascend 80 ft. over E. slope through moderate timber.

5.60 Ridge top, bears N.10°E. and South, descend 150 ft. over steep W. slope.

14.50 Draw, drains N., ascend 20 ft. over E. slope.

16.30 Finger spur, slopes N., descend 40 ft. over gentle W. slope.

24.30 Draw, drains NE., ascend 80 ft. over steep SE. slope.

27.51 Point for the 1/4 sec. cor. of sec. 36 on the S. bdy. of the Tp., at 40.00 chains westing from the cor. of T. 13 S., Rs. 3 and 4 W.

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

T13SR4W
1/4 S36
T14S
 1960

Ascend 160 ft. over steep SE. slope.

37.10 Spur, slopes NE., descend 10 ft. over NW. slope.

40.26 The monument originally set to function as the 1/4 sec. cor. of secs. 1 sec. 36, an iron post, 1 inch in diam., firmly set and plainly mkd. This cor. now functions as an angle point only, mkd.

AP
T13SR4W
S36
 60
 1913

Dependent Resurvey of a Portion of the South Bdy., T. 13 S., R. 4 W.

Chains

N. 89° 46' W., along the S. bdy. of sec. 36, beginning new measurement.
Over mountainous land; desc. 40 ft. along rolling NW. slope.

10.90 Draw, drains NE.; asc. 230 ft. over general E. slope.

18.90 Ridge, bears N. 20° E. and S. 20° W.; desc. 150 ft. over broken NW. slope.

27.25 Point for the cor. of secs. 35 and 36, at 80.00 chs. westing from the cor. of T. 13 S., Rs. 3 and 4 W.

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.

T13S R4W
S35|S36
S 1
T14S
1960

Desc. 10 ft. over W. slope.

28.20 Head of small draw draining N.; asc. 20 ft. over NE. slope.

29.70 Record position for the closing cor. of secs. 1 and 2, T. 14 S., R. 4 W.; this cor. was not located.

Asc. 30 ft. over NE. slope.

31.60 Spur, slopes N.; desc. 260 ft. over steep broken W. slope.

39.86 The cor. originally set to function as the cor. of secs. 1, 2, 35 and 36, an iron post, 3 ins. diam., firmly set and plainly mkd.; this cor. now functions as an angle point only, mkd.

AP
T13S R4W
S35
60
1913

Land, rolling and mountainous.
Soil, clay loam and rocky.
Timber, moderate juniper, scattered pinon.

N. 89° 52' W., along the S. bdy. of sec. 35, beginning new measurement.

Over rolling mountainous land, through moderate timber; desc. 50 ft. over gentle W. slope.

4.00 Wash, 30 lks. wide, 3 ft. deep, drains N.; asc. 290 ft. over steep broken E. slope.

13.40 Spur, slopes N.; desc. 10 ft. along rolling N. slope.

19.60 Hollow, near head, drains N.; asc. 170 ft. over E. slope.

24.70 Spur, slopes N.; desc. 70 ft. over W. slope.

27.39 Point for the ¼ sec. cor. of sec. 35, on the S. bdy. of the Tp., at 40.00 chs. westing from the cor. of secs. 35 and 36.

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.

Dependent Resurvey of a Portion of the South Bdy., T. 13 S., R. 4 W.

Chains

T13S R4W
 $\frac{1}{2}$ S35
 T14S
 1960

Desc. 60 ft. along rolling N. slope.

31.90 Small spur, slopes N.; desc. 80 ft. along rolling N. slope.

40.11 The cor. originally set to function as the $\frac{1}{2}$ sec. cor. of secs. 2 and 35, an iron post, 1 in. diam., firmly set and plainly mkd.; this cor. now functions as an angle point only, mkd.

A P
 T13S R4W
S35
 60
 1913

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

Over rolling mountainous land, through scattered to moderate timber.

Asc. 60 ft. over gentle E. slope.

4.80 Spur, slopes N. by triangulation, topography as estimated; desc. about 400 ft. over steep NW. slope.

15.20 Draw, near head, drains N. 15° W.; asc. about 100 ft. over NE. slope.

26.20 End of triangulation on spur sloping N. from SE.; desc. 40 ft. over W. slope.

29.56 Point for the cor. of secs. 34 and 35, at 80.00 chs. easting from the cor. of secs. 3, 4, 33 and 34.

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

T13S R4W
S34|S35
 S 2
 T14S
 1960

29.88 The closing cor. of secs. 2 and 3, T. 14 S., R. 4 W., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

Desc. 370 ft. over W. slope with widely scattered timber.

40.07 The monument originally set to function as the cor. of secs. 2, 3, 34 and 35, an iron post, 3 ins. diam., firmly set, plainly mkd.; this cor. now functions as an angle point only, mkd.

AP
 T13S R4W
S34
 T14S
 60
 1913

Land, rolling, mountainous.

Soil, clay loam and rocky.

Timber, scattered juniper and pinon on W. $\frac{1}{2}$ mile, moderate timber on remaining.

Dependent Resurvey of a Portion of the South Bdy. of T. 13 S., R. 4 W.

Chains

N. 89° 51' W., along the S. bdy. of sec. 34; beginning new measurement.

Over gently rolling land; through low sage, shadscale and grass.

Desc. 220 ft. over W. slope.

9.00 Base of mountains; desc. 140 ft. over gentle W. slope.

29.49 Point for the $\frac{1}{4}$ sec. cor. of sec. 34 at 40.00 chs. easting from the cor. of secs. 3, 4, 33 and 34.

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

T13S R4W

¼ S34

1960

Desc. 50 ft. over gentle W. slope.

39.00 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° W.

40.00 Record position for the original $\frac{1}{4}$ sec. cor. of secs. 3 and 34; unable to locate this cor.; desc. 100 ft. over gradual W. slope.

53.90 Small wash, drains SW.; desc. 110 ft.

69.49 The cor. of secs. 3, 4, 33 and 34, an iron post, 3 ins. in diam., set, mkd. and witnessed as described in the official record.

Land, mountainous on E. 9.00 chs.; gentle slope on remainder.

Soil, clay, gravel and rocky.

Timber, none.

Undergrowth, shadscale, sage, weeds and grass.

Survey of Portion of the Subdivision of T. 13 S., R. 4 W.

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

N. 0° 01' W., bet. secs. 35 and 36.

Over rolling, mountainous land; by triangulation, topography as estimated; desc. about 310 ft. over rolling N. slope, moderate timber.

13.40 Draw, drains NW.; asc. about 30 ft. over SW. slope.

17.40 Spur, slopes NW.; desc. about 100 ft. over NE. slope.

23.40 Small draw, drains NW.; asc. about 50 ft. over SW. slope.

25.40 Finger spur, slopes W.; desc. about 30 ft. over N. slope.

27.30 Small draw, drains W.; asc. about 100 ft. over S. slope.

30.70 End of triangulation on spur sloping NW. from S. 60° E.; desc. 260 ft. over steep rolling NE. slope.

41.38 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

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.

T13S R4W

¼ S35 S36

1960

Dependable Survey of Portion of Subdivision of T. 13 S., R. 4 W.

- Chains Desc. 60 ft. over NE. slope.
 - 43.00 Small draw near head, drains N. 20° E.; desc. 30 ft. along E. side of spur.
 - 49.30 Spur, slopes NE.; desc. 210 ft. over steep, rolling NW. slope.
 - 59.80 Base of steep descent; desc. 90 ft. over rolling land with N. drainage and exposure.
 - 75.20 Draw, drains NW.; asc. 60 ft. over SW. slope.
 - 80.60 Spur, slopes NW.; desc. 20 ft. over N. slope.
 - 81.38 Point for the cor. of secs. 25, 26, 35 and 36, W. of the cor. of secs. 25 and 36 on the E. bdy. of the Tp.
- 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.

T13S R4W
 S26|S25
 S35|S36
 1960

Land, rolling mountainous.
 Soil, rocky clay loam.
 Timber, moderate scrub juniper.

- From the cor. of secs. 25 and 36, on the E. bdy. of the Tp.
 West, bet. secs. 25 and 36.
- Over rolling mountainous land, through moderate timber; asc. 20 ft. over E. slope.
- 3.10 Jeep road, follows ridge top, bears irregularly N. and S.; desc. 100 ft. over SW. slope.
 - 13.70 Enter brushy hollow, bears NW. and SE.; desc. 30 ft. along the bottom.
 - 22.80 Wash, 30 lks. wide, 2 ft. deep, drains N. circling to W.; asc. 30 ft. over E. slope.
 - 27.50 Top of ascent, bears irregularly N. and S.; desc. 50 ft. over NW. slope.
 - 38.50 Draw, drains NE.; asc. 40 ft. over SE. slope.
 - 39.96 Point for the ¼ sec. cor. of secs. 25 and 36.

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.

T13S R4W
 ¼ S25
 S36
 1960

- Asc. 30 ft.
- 42.90 Spur, slopes N.; desc. 60 ft. over W. slope.
- 46.10 Draw, drains N.; asc. 30 ft. over E. slope.
- 48.90 Spur, slopes N.; desc. 80 ft. over W. slope.
- 54.00 Draw, with jeep road in bottom, drains N.; asc. 50 ft. over E. slope.

Dependent Resurvey, Portion of the Subdivision of T. 13 S., R. 4 W.

Chains

- 58.10 Spur, slopes N., descend 80 ft. over W. slope.
 64.50 Draw, drains N. ascend 70 ft. over E. slope.
 69.80 Spur, slopes N., descend 30 ft. over W. slope.
 73.80 Draw, drains N., ascend 30 ft. over E. slope.
 76.80 Spur, slopes N., descend 10 ft. along gentle N. slope.
 78.20 Small draw, near head, drains N., ascend 10 ft.
 79.92 The cor. of secs. 25, 26, 35 and 36.

Land, rolling
 Soil, rocky clay loam
 Timber, moderate scrub juniper

GENERAL DESCRIPTION

The portion of T. 13 S., R. 4 W., resurveyed, lies entirely in steep rolling mountains, covered with a medium growth of junipers over most of the area. The soil is of a shallow rocky clay loam which nourishes a fair growth of artemisia and grass.

The lower elevations are used primarily for the grazing of live-stock, and the higher mountain ranges show signs of some mining exploration work having been done. There is however, no mining being done at present and known improvements made in recent years. There are indications that the junipers, prevailing in the SE. portion of the Tp. are being utilized to some extent by ranchers in the area for fencing purposes.

Elevation in the SE. portion of the Tp. ranges from about 5200 ft. to 6500 ft. above sea level. The area drains Northwesterly but affords no permanent source of water.

CERTIFICATE OF CADASTRAL ENGINEER

I, Boyd S. Owens, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of October, 1959 I have ~~surveyed~~ resurveyed a portion of the east and south boundaries and surveyed a portion of the subdivision of T. 13 S., R. 4 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
December 1, 1960

Boyd S. Owens
Boyd S. Owens
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., SEP 21 1961, 19

The foregoing field notes of the ~~survey of~~ resurvey of a portion of the east and south boundaries and the survey of a portion of the subdivision of T. 13 S., R. 4 W., Salt Lake Meridian, Utah

executed by Boyd S. Owens, Cadastral Surveyor

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

Ed Huntington
Chief, Division of Engineers

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 13 S. R. 4 W., SIM, Utah, is a true copy of the original field notes.

Cadastral Surveyor, State of Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

INDEPENDENT RESURVEY

OF A PORTION OF THE WEST BOUNDARY

OF TOWNSHIP 35 SOUTH, RANGE 4 EAST

DEPENDENT RESURVEY

OF A PORTION OF THE SOUTH AND NORTH BOUNDARIES

AND A PORTION OF THE SUBDIVISION

INDEPENDENT RESURVEY

OF A PORTION OF THE NORTH BOUNDARY

SURVEY

OF A PORTION OF THE SUBDIVISION

OF TOWNSHIP 35 SOUTH, RANGE 3 EAST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

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

Donald A. Cannon, Cadastral Surveyor

Boyd S. Owens, Cadastral Surveyor

Under special instructions dated March 31, 1959, which provided

for the surveys included under Group No. 428, approved April 21, 1959

and assignment instructions dated May 13, 1959 21

Survey commenced May 18, 1959

Survey completed June 8, 1959

INDEX DIAGRAM

Township 35 South, *Range* 3 East

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3 2

GPO 866110

Donald A. Cannon _____

Boyd S. Owens _____

Township 35 South, Range 3 East

Chains

The south boundary of the Seventh Standard Parallel South, the east, west and north boundaries and a portion of the subdivisional lines were surveyed by William Lewman in 1893-94. The east four miles of the south boundary of the Seventh Standard Parallel South were retraced by Thoma and Bunbury in 1913. The west two miles of the south boundary of the Seventh Standard Parallel South were dependently resurveyed by Rigby and Smith in 1922.

The following field notes are those of the dependent resurvey of a portion of the south boundary; the independent resurvey of a portion of the east boundary and a portion of the north boundary; the dependent resurvey of a portion of the north boundary and a portion of the subdivision; and the survey of a portion of the subdivision of T. 35 S., R. 3 E., 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 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 corners recovered were then remonumented. 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 corner points. As no evidence of the original corners was found on the north two miles of the east boundary and no subdivision is based on the corners, an independent resurvey was made from the identified corner of sections 7, 12, 13 and 18, north to the north boundary of the township. As no subdivision is based on the east three miles of the north boundary, all original corners found were tied in and then destroyed. New corners were then established on a line connecting the corners of T. 34 S., Rs. 3 and 4 E. and the original corner of sections 3, 4, 33 and 34, T. 34 S., R. 3 E. These corners were set at 40 and 80 chains from the east boundaries of each township. Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the 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. This tape was graduated every link for the first chain and thereafter at ten link intervals. 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 slope measurements were then reduced to their horizontal equivalents which appear in these field notes. The length of the accessible lines was determined by chaining; the length of the inaccessible lines was determined by traverse or triangulation methods. The details of such traverses and triangulations have been thoroughly verified and, in order to simplify the record, are omitted from these field notes. Distance to topography on the inaccessible lines is as scaled from aerial photographs.

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

The surveyed lines were carried forward by sustained angulation. The bearing of all lines of this survey were determined by deflecting from meridians established at a number of stations along the surveyed lines. These meridians were established by altitude observations on the sun and hour angle observations on Polaris.

Township 35 South, Range 3 East

Chains

The geographic position for the southeast corner of section 32 is latitude $37^{\circ} 42' 48.4''$ N. and longitude $111^{\circ} 35' 10.96''$ W. as computed by section line traverse and a tie to U. S. G. S. triangulation station Escalante Rim, which is located in section 31 of this township. The geographic position for the southeast corner of the township is latitude $37^{\circ} 42' 50''$ N. and longitude $111^{\circ} 30' 55''$ W.

The magnetic declination was read at a number of stations in the township and the average of the several readings was found to be $15^{\circ} 45' E$.

Dependent Resurvey of a Portion of the South Boundary, T. 35 S., R. 3 E.

Reestablishment of the survey executed by William Lewman in 1893, partially retraced by Thoma and Bunbury in 1913, and partially re-surveyed by Rigby and Smith in 1922.

Beginning at the standard $\frac{1}{4}$ sec. cor. of sec. 33 on the S. bdy. of the Tp, which is monumented by a sandstone $6 \times 14 \times 22$ ins., set 8 ins. in the ground, mkd. $\frac{1}{4}$ SC on N. face.

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.

T35S R3E

S C

$\frac{1}{4}$ S33

1959

Deposit original cor. at base of iron post.

No other suitable accessories available.

S. $89^{\circ} 48' W.$, along the S. bdy. of sec. 33.

Through thinly scattered timber, over gently rolling land, along a net wire fence, bearing E. and W.

39.40 Net wire fence, bears N., S. and E.

39.98 Point for the standard cor. of secs. 32 and 33, at proportionate distance, no evidence of the original cor. remains.

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

T35S R3E

S C

S32 | S33

1959

No suitable accessories available.

Land, gently rolling.

Soil, sandy loam.

Timber, thinly scattered juniper.

Dependent Resurvey, Portion of S. Bdy., T. 35 S., R. 3 E.

Chains

S. 89° 48' W., along the S. bdy. of sec. 32.

Through thinly scattered timber, over nearly level land.

.20 Road, bladed, bears N. and S.

.40 Net wire fence, bears N. and W.; cont. along fence.

2.30 Fence, barbed wire, bears S. from fence, bearing E. and W.

35.50 Wash, 30 lks. wide, 20 ft. deep, drains NE.; cont. along fence.

40.12 Fence, bears N. and E.

40.28 The standard $\frac{1}{4}$ sec. cor. of sec. 32, monumented by an iron post, 36 ins. long, 1 in. diam., set 26 ins. in the ground, with brass cap mkd.

S C

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

1959

1922

40.83 S. 89° 34' W., beginning new measurement.
Through scattered timber; asc. 1,110 ft. over ledges on E. slope. True point for the closing cor. of secs. 31 and 32, determined at a point due S. of the cor. of secs. 29, 30, 31 and 32, falls on face of ledge facing E., where the cor. cannot be monumented.

From this point the original witness standard cor. of secs. 31 and 32, monumented by a mound of stone, 3½ ft. base, 2½ ft. high, bears S. 89° 34' W., 7.91 chs. dist. This point now functions as a witness cor. for the closing cor. of secs. 31 and 32.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground, and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

T35S R3E

S31|S32 W

C

1959

Land, gently rolling, ascending to broken.
Soil, sandy clay and exposed shale.
Timber, scattered juniper and pinon.

Independent Resurvey of a Portion of the West Bdy., T. 35 S., R. 4 E.

Superseding the survey executed by Wm. Lewman in 1894.

Beginning at the cor. of secs. 7, 12, 13 and 18, a sandstone, 22x10x4 ins., dimly mkd., firmly set; bearing trees in position.

Independent Resurvey, Portion of W. Bdy., T. 35 S., R. 4 E.

Chains

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

T35S
R3E R4E
S12|S7
S13|S18
1959

Original cor. stone set in the mound alongside the cor.

North, bet. secs. 7 and 12.

Over mountainous land.

Asc. 40 ft. over S. slope, through heavy timber.

5.20 Ridge, top, bears E. and W.; desc. 150 ft. over N. slope.

20.80 S. rim of Escalante River Canyon, bears irregularly E. and W.; by triangulation, topography estimated; desc. about 700 ft. over broken canyon wall facing N.

32.00 Escalante River, course irregularly E.; asc. about 700 ft. over canyon wall facing S.

40.00 True point for the ¼ sec. cor. of secs. 7 and 12 falls in inaccessible position on face of canyon wall.

47.70 North rim of Escalante River Canyon, bears E. and W.

48.74 End of triangulation on barren sandstone point projecting E.

49.20 Recorded point for the witness ¼ sec. cor. of secs. 7 and 12; there is no remaining evidence of the original cor.; this is an unsafe position for monumentation.

Desc. 90 ft. over steep NE. slope.

52.40 Point selected for the witness ¼ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) in solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

T35S
R3E R4E
¼
S12|S 7
W E
1959

Cont. by triangulation, topography estimated.

Asc. about 200 ft. over exposed sandstone facing SE.

60.00 Sandstone spur, slopes sharply E.; desc. about 180 ft. over sandstone, facing E.

70.00 Bottom of canyon, drains irregularly S. 10° E.; asc. 10 ft. over canyon bottom.

Independent Resurvey, Portion of W. Bdy., T. 35 S., R. 4 E.

Chains													
80.00	<p>Point for the cor. of secs. 6 and 7.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T35S R3E R4E S 6 S 7 1959</p> </div> <p>Cor. is located along E. edge of small wash.</p> <p>No trace of the original sec. cor.</p> <p>from which</p> <p style="padding-left: 40px;">An "XBO", cut in sandstone face of canyon wall, bears E., 3 lks. dist.</p> <p>Land, rough and broken. Soil, sandy, S. 20 chs.; mostly exposed sandstone in remainder. Timber, moderate to heavy pinon and juniper, S. 20 chs.; scattered throughout remainder. Undergrowth, scattered silverleaf, sage, cacti, buckbrush and grass in S. 20 chs.; widely scattered in remainder.</p>												
	<p>North, along the W. bdy. of sec. 6.</p> <p>Over rough, broken, mountainous land, by triangulation, with topography estimated.</p> <p>Asc. about 200 ft. over exposed sandstone on precipitous S. slope.</p> <td data-bbox="96 1234 166 1256">12.60</td> <td data-bbox="194 1234 1139 1289"> <p>Top of ascent, bears E. and W.; desc. about 300 ft. over exposed sandstone on steep N. slope.</p> </td> <td data-bbox="96 1318 166 1340">20.50</td> <td data-bbox="194 1318 1139 1400"> <p>Wash in bottom of canyon, drains irregularly E.</p> <p>Asc. about 160 ft. over exposed sandstone on steep S. slope.</p> </td> <td data-bbox="96 1428 166 1451">36.40</td> <td data-bbox="194 1428 1139 1820"> <p>Point selected for the witness ¼ sec. cor. of sec. 6.</p> <p>Set an iron post, 15 ins. long, 1 in. diam., 8 ins. in drill hole in solid sandstone, with brass cap mkd.</p> <div style="text-align: center;"> <p>T35S R3E R4E W C ¼ ↑ S 6 1959</p> </div> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of iron post.</p> <p>Asc. about 100 ft. over steep S. slope.</p> </td> <td data-bbox="96 1849 166 1871">40.00</td> <td data-bbox="194 1849 1139 1986"> <p>True point for the ¼ sec. cor. of sec. 6, as indicated, falls on steep S. slope, where cor. cannot be perpetuated; there is no remaining evidence of the original cor.</p> <p>Asc. about 30 ft.</p> </td> <td data-bbox="96 2015 166 2037">40.80</td> <td data-bbox="194 2015 1139 2048"> <p>Sandstone spur, slopes sharply E.; desc. about 150 ft. over NE. slope.</p> </td> <td data-bbox="96 2077 166 2099">44.00</td> <td data-bbox="194 2077 1139 2110"> <p>Small wash, steep sloping sides, drains S. 15° E.; asc. about 200 ft. over sandstone and broken land on steep SW. slope.</p> </td>	12.60	<p>Top of ascent, bears E. and W.; desc. about 300 ft. over exposed sandstone on steep N. slope.</p>	20.50	<p>Wash in bottom of canyon, drains irregularly E.</p> <p>Asc. about 160 ft. over exposed sandstone on steep S. slope.</p>	36.40	<p>Point selected for the witness ¼ sec. cor. of sec. 6.</p> <p>Set an iron post, 15 ins. long, 1 in. diam., 8 ins. in drill hole in solid sandstone, with brass cap mkd.</p> <div style="text-align: center;"> <p>T35S R3E R4E W C ¼ ↑ S 6 1959</p> </div> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of iron post.</p> <p>Asc. about 100 ft. over steep S. slope.</p>	40.00	<p>True point for the ¼ sec. cor. of sec. 6, as indicated, falls on steep S. slope, where cor. cannot be perpetuated; there is no remaining evidence of the original cor.</p> <p>Asc. about 30 ft.</p>	40.80	<p>Sandstone spur, slopes sharply E.; desc. about 150 ft. over NE. slope.</p>	44.00	<p>Small wash, steep sloping sides, drains S. 15° E.; asc. about 200 ft. over sandstone and broken land on steep SW. slope.</p>

Independent Resurvey, Portion of W. Bdy., T. 35 S., R. 4 E.

- 55.10 Slope changes to E.; end of triangulation; asc. 40 ft. along W. side of Death Hollow.
- 55.54 No evidence of original witness cor. found.
- 63.26 Point selected for the witness cor. of T. 35 S., Rs. 3 and 4 E.; there is no remaining evidence of the original cor.

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 of post, with brass cap mkd.

T34S R4E

W4C

S31

S 1 | S 6

R3E R4E

T35S

1959

The cor. is located on the W. rim of Death Hollow; rim bears N. 15° W. and S. 15° E.

Cont. by triangulation, with topography approximated; desc. abruptly about 300 ft. over canyon wall.

- 74.73 Intersect the S. bdy. of T. 34 S., R. 4 E. True point for the cor. of T. 35 S., Rs. 3 and 4 E. falls in inaccessible position in Death Hollow. From this point the witness point on the S. bdy., T. 34 S., R. 4 E., bears E. 20.95 chs. dist,

Land, rough and broken.

Soil, sand and exposed sandstone.

Timber, scattered scrub pinon and juniper.

Undergrowth, scant.

Independent Resurvey of Portion of N. Bdy., T. 35 S., R. 3 E. and Establishment of New Corners for T. 34 S., R. 3 E., at Regular Intervals West from the Corner of Tps. 34 S., Rs. 3 and 4 E.

Superseding the survey executed by Wm. Lewman in 1893.

Beginning at the true point for the cor. of T. 35 S., Rs. 3 and 4 E.

West, along the N. bdy. of sec. 1.

Asc. over high sandstone ledges on W. side of Death Hollow.

- 1.32 The true point for the cor. of T. 34 S., Rs. 3 and 4 E., from which the witness point on the W. bdy., T. 34 S., R. 4 E., bears N. 44.76 chs. dist.

N. 89° 43' W., beginning new measurement.

Asc. over ledges facing E. on the W. side of Death Hollow.

- 7.40 W. rim of Death Hollow, bears NW. and S. 30° E.

- 7.53 Point selected for the witness point for secs. 1 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground and in a mound of stone, 5 ft. base, to top, with brass cap mkd.

T34S R3E

S36 W

S 1 P

1959

Independent Resurvey, Portion of N. Bdy., T. 35 S., R. 3 E.

- Chains
- Asc. 60 ft. over E. slope.
- 9.40 Spur, slopes S. 20° E.; desc. 10 ft. over W. slope.
- 15.24 Cont. by triangulation.
- 15.30 E. rim of canyon, bears irregularly N. and S.; desc. about 200 ft. over ledges, facing W.
- 26.20 Approximate position of wash in bottom of canyon, drains SW.; asc. about 200 ft. over ledges, facing SE.
- 36.30 W. rim of canyon, bears N. 10° W. and SE.; asc. 40 ft. over E. slope.
- 38.50 Sandstone spur, projects S.
- 38.68 Point for the $\frac{1}{4}$ sec. cor. of sec. 1, at 40.00 chs. from the true point for the cor. of T. 35 S., Rs. 3 and 4 E.
- Drill an iron post, 20 ins. long, 1 in. diam., 6 ins. in sandstone surface, and in a mound of stone, to top, with brass cap mkd.
- T34S R3E

 $\frac{1}{4}$ S 1
T35S R3E
1959
- No evidence of original cor. was found.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 36, T. 34 S., R. 3 E.
- Drill an iron post, 20 ins. long, 1 in. diam., 6 ins. in sandstone surface, and in a mound of stone, with brass cap mkd.
- T34S R3E

 $\frac{1}{4}$ S36
T35S R3E
1959
- Desc. 120 ft. over SW. slope.
- 52.90 Wash, in bottom of canyon, 30 lks. wide, drains SE.; asc. 200 ft. over steep sandstone NE. slope.
- 60.70 W. rim of canyon, bears NW. and SE.; desc. 40 ft. over W. slope.
- 78.68 Point for the 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.
- T34S R3E

S 2 | S 1
T35S R3E
1959
- From this cor., the original of sections. 1, 2, 35 and 36 bears N. 85° 15' E., 2.41 chs. dist., monumented by a sandstone, 4 ins. x 10 ins. x 15 ins., set 6 ins. in the ground; this monument no longer functions as a cor. and all evidence of it is destroyed.
- 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.

Ind. Resurvey, Portion of N. T. 35 S., R. 3 E.

Chains

N. 89° 43' W., along the N. bdy. of sec. 2.

Through scattered timber.

1.32 Point for the cor. of secs. 35 and 36, T. 34 S., R. 3 E.

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

T34S R3E
S35|S36

T35S
 1959

Deposit charcoal at base of iron post.

No other suitable accessories available.

Asc. 40 ft. along S. slope.

10.50 NE. point of spur sloping N.; desc. 40 ft. over NW. slope.

16.00 Wash, at head, drains N. about 1 ch., thence E. slowly turning to the NE.; asc. 140 ft. over E. slope.

22.30 Enter dense timber; cont. along E. slope.

30.46 Fall 22 lks. N. of the point for the original ¼ sec. cor. of secs. 2 and 35, reestablished by measurement from the original bearing trees.

A pinon, 10 ins. diam., bears S. 20° E., 15 lks. dist., properly mkd.

A pinon, 8 ins. diam., bears N. 18° W., 35 lks. dist., properly mkd.

As this monument no longer functions as a cor., I destroy all remaining evidence of the same.

Asc. 30 ft. over NE. slope.

40.00 Point for the ¼ sec. cor. of sec. 2.

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

T34S R3E
¼ S 2
 T35S R3E
 1959

Raise a mound of stone, N. of iron post.

Cont. over NE. slope.

41.32 Point for the ¼ sec. cor. of sec. 35, T. 34 S., R. 3 E.

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.

T34S R3E
¼ S35

T35S
 1959

Asc. 50 ft. over rolling NE. slope.

Independent Resurvey, Portion of N. Bdy., T. 35 S., R. 3 E.

Chains

- 56.90 Spur, slopes SE.; cont. along S. slope
- 64.40 E. rim of small box canyon, bears NW. and SE.; desc. over ledge about 40 ft. high, facing SW.
- 64.80 Base of ledge, bears NW. and SE.; desc. 20 ft. over SW. slope.
- 70.57 Fall 98 lks. S. of the original cor. of secs. 2, 3, 34 and 35, monumented by a sandstone, 6x10x24 ins., mkd. with 2 notches on the E. and 4 notches on the W., set 8 ins. in the ground. As this monument no longer functions as a cor. point, I destroy all evidence of it.
- Desc. 40 ft. over SW. slope.
- 80.00 Point for the cor. of secs. 2 and 3.
- Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid sandstone, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
- T34S R3E
- | | |
|-----|-----|
| S 3 | S 2 |
|-----|-----|
- T35S R3E
1959
- Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, scattered to medium timber.
-
- N. 89° 43' W., along the N. bdy. of sec. 3.
- Through scattered timber.
- 10 Bottom of box canyon, drains SE.
- 1.32 Point for the cor. of secs. 34 and 35, T. 34 S., R. 3 E.
- Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid sandstone and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
- T34S R3E
- | | |
|-----|-----|
| S34 | S35 |
|-----|-----|
- T35S R3E
1959
- Asc. 40 ft. over NE. slope.
- 6.80 E. edge of small box canyon, bears N. 20° W. and S. 20° E.; asc. 10 ft. along S. slope.
- 26.90 Base of ledges, bears NW. and SE.; asc. 190 ft. over ledges, facing NE.
- 28.90 Top of ledges, bears N. 10° W. and S. 10° E.; asc. 10 ft. over E. slope.
- 34.32 Fall 2 lks. N. of the original ¼ sec. cor. of secs. 3 and 34, monumented by a sandstone, 6x9x20 ins., set 8 ins. in the ground, mkd. ¼ S on N. face. As this monument no longer functions as a cor., I destroy all evidence of same.
- Asc. 10 ft. over E. slope.

Portion of N. Bdv. T. 35 S. R. 3 E.

Chains

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 32, T. 35 S., R. 3 E.
 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a small mound of stone, with brass cap mkd.
 T34S R3E
 $\frac{1}{4}$ S 3
 T35S R3E
 1959
 Cont. over E. slope.
- 41.32 Point for the $\frac{1}{4}$ sec. cor. of sec. 34, T. 34 S., R. 3 E.
 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
 T34S R3E
 $\frac{1}{4}$ S34
 T35S
 1959
 from which
 A pinon, 8 ins. diam., bears N. $35^{\circ} 27'$ E., 80 lks. dist., mkd. T34S R3E S34 BT.
- 44.20 Telephone line, a single wire, bears N. and S.; asc. 50-ft. along rolling land, draining S.
- 59.70 Base of abrupt ascent, bears NW. and SE.; asc. 100 ft. over ledges, facing NE.
- 66.40 Spur, slopes SE.; cont. along S. slope.
- 72.93 The original cor. of secs. 3, 4, 33 and 34; this cor. now functions as the cor. of secs. 3 and 4 only, monumented by a sandstone 10x15x40 ins., set 12 ins. in the ground, mkd. with 3 notches on the E. face and 3 notches on the W. face.
 from which the original bearing trees
 A pinon, 10 ins. diam., bears N. 12° E., 79 lks. dist., properly mkd.
 A pinon, 9 ins. diam., bears S. 69° W., 121 lks. dist., properly mkd.
 At the cor. point
 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
 T34S R3E
 $\frac{1}{4}$ S34
 S 4 | S 3
 T35S R3E
 1959
 Deposit original cor. in mound of stone, around iron post.
 Land, rolling and broken.
 Soil, sand and exposed sandstone.
 Timber, scattered to medium juniper and pinon.

Dependent Resurvey, Portion of N. Bdy., T. 35 S., R. 3 E.

Chains

Dependent Resurvey of a Portion of the North Boundary, T. 35 S., R. 3 E.

Reestablishment of the survey executed by Wm. Lewman in 1893.

N. 88° 45' W., along the N. bdy. of sec. 4.

Through medium timber; asc. 20 ft. along N. slope.

8.39 Point for the cor. of secs. 33 and 34, T. 34 S., R. 3 E.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T34S R3E

S33|S34

S. 4.

T35S R3E

1959

Asc. 10 ft. over E. slope.

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

39.80 Ravine, drains sharply SW.; asc. 10 ft. over E. slope.

42.23 Point for the ¼ sec. cor. of sec. 4, 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, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T34S R3E

¼ S 4

T35S R3E

1959

Asc. 30 ft. over ledge, facing SE.

44.50 Top of ledge, bears NE. and SW.; desc. 20 ft. along rolling S. slope.

48.40 Point for the ¼ sec. cor. of sec. 33.

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

T34S R3E

¼ S33

T35S R3E

1959

Desc. 100 ft. along broken S. slope.

62.30 Spur, slopes SW.; desc. 110 ft. over NW. slope.

70.50 Bottom of draw, drains SW.; asc. 70 ft. over SE. slope.

73.70 Broken sandstone spur, slopes S. 70° W.; desc. 90 ft. along N. slope.

84.46 The original cor. of secs. 4, 5, 32 and 33, monumented by a sandstone, 6x12x30 ins., firmly set, mkd. with 4 notches on the E. face and 2 notches on the W. face. As this cor. now functions as the cor. of secs. 4 and 5 only, I destroy the markings on the bearing trees pertaining to sections 32 and 33.

Dependent Resurvey, Portion of N. Bdy., T. 35 S., R. 3 E.

Chains

From which the original bearing trees

A pinon, 6 ins. diam., bears N. 63° W., 17 lks. dist., properly mkd.

A pinon, 10 ins. diam., bears S. 3° E., 26 lks. dist., properly mkd.

A pinon, 10 ins. diam., bears S. 78° W., 33 lks. dist., properly mkd.

A juniper, 8 ins. diam., bears N. 30° W., 17 lks. dist., properly mkd.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 4½ ft. base, to top, with brass cap mkd.

T34S R3E
S33
S 5 | S 4
T35S R3E
1959

Deposit original cor. in mound of stone, around iron post.

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

S. 89° 05' W., along the N. bdy. of sec. 5.

Over broken mountainous land, through scattered to medium timber.

Desc. 30 ft. along N. slope.

3.95 Point for the cor. of secs. 32 and 33, T. 34 S., R. 3 E.

Set an iron post, 36 ins. long, 1 in. diam., 24 ins. in the ground, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T34S R3E
S32 | S33
S 5
T35S
1959

Desc. about 50 ft. over NW. slope.

4.50 Ravine, drains sharply SW.; asc. 40 ft. along S. slope.

16.80 Spur, slopes S. 60° W.; begin triangulation; desc. about 600 ft. over ledges on broken W. slope.

26.80 Base of abrupt descent, bears N. 30° W. and S. 30° E.; desc. about 100 ft. over W. slope.

33.50 Pine Creek, 1 ch. wide, 3 ft. deep, course S. 20° E.; asc. about 50 ft. over E. slope.

40.95 Point for the original ¼ sec. cor. of secs. 5 and 32; this point falls in an irrigation ditch, course S. 70° E.; reestablished at record course and dist. from original bearing tree.

A pinon, 11 ins. diam., bears N. 65° W., 200 lks. dist., properly mkd.

Dependent Resurvey, Portion of N. Bdy., T. 35 S., R. 3 E.

Chains

Note: this monument now functions as the $\frac{1}{2}$ sec. cor. of sec. 5 only.

At the cor. point

Set an iron post, 20 ins. long, 1 in. diam., 32 ins. in the ground, with brass cap mkd.

$\frac{1}{2}$ S 5
T35S R3E
1959

From which

A reference monument, bears N. 57° W., 1.00 chs. dist., an iron post, 30 ins. long, 2½ ins. diam., set 20 ins. in the ground, and in a small mound of stone, to top, with brass cap mkd.

T35S R3E
 $\frac{1}{2}$ S 5
RM
1959

A reference monument, bears S. 23° W., 80 lks. dist., an iron post, 30 ins. long, 2½ ins. diam., set 8 ins. in the ground, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T35S R3E
 $\frac{1}{2}$ S 5
RM
1959

N. 89° 03' W., beginning new measurement.

Asc. 30 ft. over E. slope.

3.00 Point for the $\frac{1}{2}$ sec. cor. of sec. 32, T. 34 S., R. 3 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

T34S R3E
 $\frac{1}{2}$ S 32
1959

Cont. over nearly level land.

5.40 Fence, bears NW. and SE.

6.60 Pine Creek road, bears NW. and SE.

8.57 Irrigation ditch, course irregularly S.

14.30 Leave level land; asc. 140 ft. over rolling S. slope.

29.90 Spur, slopes S.; desc. 70 ft. over SW. slope.

37.50 Wash, 50 lks. wide, 6 ft. deep, drains S. 15° E.; asc. 90 ft. over NE slope.

39.92 The original cor. of secs. 5, 6, 31 and 32, monumented by a sandstone, 4x15x30 ins., set 12 ins. in the ground, mkd. with 5 notches on the E. face and 1 notch on the W. face; this monument now functions as the cor. of secs. 5 and 6 only.

Dependent Portion of N. Bdy. T. 35 S., R. 3 E.

Chains

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 4½ ft. base, to top, with brass cap mkd.

T34S R3E

S32

S 6 | S 5

T35S R3E

1959

Land, rolling.

Soil, sand and sandy loam with exposed shale.

Timber, scattered juniper and pinon.

N. 89° 40' W., along the N. bdy. of sec. 6.

Through scattered timber; asc. 30 ft. over SE. slope.

3.09 Point for the cor. of secs. 31 and 32, T. 34 S., R. 3 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T34S R3E

S31 | S32

S 6

T35S R3E

1959

4.60 Top of ascnet, slopes N.; desc. 40 ft. over steep NW. slope.

6.60 Small wash, drains N.; asc. 10 ft. along rolling N. slope.

10.10 Wash, 30 lks. wide, 1 ft. deep, drains N. irregularly

12.10 Track road, bears N. and S.; asc. 30 ft. over rolling land, draining N.

21.70 Track road, bears NE. and SW.; asc. 70 ft. over SE. slope.

32.30 Spur; slopes NE.; asc. 110 ft. over SE. slope.

39.99 The original ¼ sec. cor. of secs. 6 and 31, monumented by a sandstone, 6x12x25 ins., set 8 ins. in the ground, mkd. ¼ S on N. face; this monument now functions as the ¼ sec. cor. of sec. 6 only.

At the cor. point

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

T34S R3E

¼ S 6

T35S R3E

1959

Deposit original cor. in the mound of stone around iron post.

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

Asc. 50 ft. over NE. slope.

3.10 Point for the ¼ sec. cor. of sec. 31 falls on inaccessible point on ledge facing NE.

Dependent Resurvey, Portion of N. Bdy., T. 35 S., R. 3 E.

Chains

- 3.70 E. rim of mesa, a ledge about 30 ft. high, bears NW. and SE.
- 3.90 Point selected for the witness $\frac{1}{4}$ sec. cor. of sec. 31.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on sandstone surface, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap mkd.

T34S R3E

 $\frac{1}{4}$ S31 W

C

T35S R3E

1959

Asc. 30 ft. over rolling mesa top.

- 17.50 W. rim of mesa, a ledge about 30 ft. high, bears irregularly N. and S.; desc. 180 ft. over ledge and steep W. slope.
- 24.50 Base of steep descent, bears irregularly N. and S.; asc. 10 ft. over gently rolling benchland.
- 31.30 W. rim of bench, bears N. and SW.; desc. 190 ft. over W. slope.
- 39.30 Wash, 40 lks. wide, 1 ft. deep, drains SW.
- 39.84 The original cor. of Tps. 34 and 35 S., Rs. 2 and 3 E., monumented by a sandstone, 6x10x20 ins., set 6 ins. in the ground, mkd. with 6 notches on each of the N., S., E. and W. faces.

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, $3\frac{1}{2}$ ft. base, to top, with brass cap mkd.

T34S

R2E | R3E

S36 | S31

S 1 | S 6

T35S

1959

Deposit original cor. in the mound of stone around iron post.

Land, rolling and broken.

Soil, sandy clay and exposed shale.

Timber, scattered juniper and pinon.

Dependent Resurvey of a Portion of the Subdivision of T.35 S., R. 3 E.

Reestablishment of the survey executed by William Lewman in 1894.

Beginning at the cor. of secs. 3 and 4, a $2\frac{1}{2}$ in. iron post, previously described.S. $0^{\circ} 03'$ E., bet. secs. 3 and 4.

Dependent Resurvey, Portion of Subdivision, T. 35 S., R. 3 E.

Chains

Over rolling mountainous land; by triangulation, topography estimated desc. about 30 ft. over exposed sandstone, facing S.

6.00 Base of sandstone, thence over hollow, draining SW., through moderate timber.

40.10 The 1/4 sec. cor. of secs. 3 and 4, a stone, 30x8x6, plainly mkd., bearing tree in position.

At the cor. point

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

T35S R3E
1/4
S 4 | S 3
1959

Deposit original stone cor. in mound alongside iron post.

Land, rolling and broken.

Soil, sandy and exposed sandstone.

Timber, scattered to moderate juniper, pinon and widely scattered ponderosa pine.

Undergrowth, scattered silverleaf, sage, buckbrush and grass.

From the standard cor. of secs. 32 and 33, on the S. bdy. of the Tp.

N. 0° 28' W., bet. secs. 32 and 33.

Over nearly level land, on a road in a lane bearing N. and S., with fences on both sides.

11.50 Irrigation ditch, drains E.

20.60 Wash, 40 lks. wide, 10 ft. deep, drains E.

35.00 Leave road, cont. bet. road and fence to the W.

40.22 Point for the 1/4 sec. cor. of secs. 32 and 33, at proportionate dist.; no evidence of the original cor. remains.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T35S R3E
1/4
S32 | S33
1959

Deposit mkd. stone at base of iron post.

from which

A fence, bearing N. and S. is located 85 lks. E.

A road, bearing N. and S. is located 15 lks. E.

A fence, bearing N. and S. is located 18 lks. W.

Dependent Resurvey, Portion of Subdivision, T. 35 S., R. 3 E.

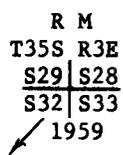
Chains

- P.S.G.S. triangulation station Establands Bin, bears N. 82° 23' 00" W., 117.77 chs. dist.
- Cont. along W. side of road and E. side of fence.
- 73.10 Wash, 40 lks. wide, 30 ft. deep, drains E.
- 76.50 Cross fence; cont. along W. side of fence.
- 80.00 Net wire fence, bears W. and E., 2 lks., thence S.
- 80.20 1.11 chs. E. of this point a net wire fence bears E. from a fence bearing N. and S.
- 80.44 Point for the cor. of secs. 28, 29, 32 and 33, at proportionate dist.; no evidence of the original cor. remains.

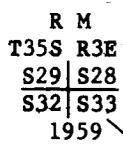
Set a sandstone, 6x8x12 ins., 24 ins. in the ground, mkd. with a cross (X) on the N. face.

from which

A reference monument, bears N. 30° E., 62 lks. dist., an iron post, 30 ins. long, 2½ ins. diam., set 24 ins. in the ground with brass cap mkd.



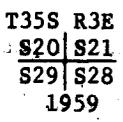
A reference monument, bears N. 30° W., 62 lks. dist., an iron post, 30 ins. long, 2½ ins. diam., set 24 ins. in the ground, with brass cap mkd.



The cor. of secs. 20, 21, 28 and 29, bears N. 0° 03' E., 80.44 chs. dist., monumented by a sandstone, 8x10x18 ins., set 10 ins. in the ground, mkd. with 4 notches on the E. face, 2 notches on the S. face, and 2 notches on the W. face.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.



Deposit original cor. alongside iron post.

No other suitable accessories available.

Land, nearly level.

Soil, sandy loam.

Timber, thinly scattered cottonwoods.

Dependent Resurvey, Portion of Subdivision, T. 35 S., R. 3 E.

Chains

From the $\frac{1}{4}$ sec. cor. of secs. 28 and 33, monumented by a sandstone, 8x10x18 ins., set 11 ins. in the ground, mkd. $\frac{1}{4}$ on N. face.

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.

T35S R3E

$\frac{1}{4}$ $\frac{S28}{S33}$
1959

N. 89° 39' W., bet. secs. 28 and 33.

Over nearly level land, along N. side of fence bearing E. and W.

39.15 Net wire fence, bears S. and N., about 60 lks., thence W.

39.80 Gravel road, bears W. and S.

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

Land, nearly level.
Soil, sandy loam.
Timber, none.

S. 89° 34' W., bet. secs. 29 and 32.

Over nearly level land, along road, bearing E. and W.

39.02 64 lks. N. of this point a net wire fence bears N. and E.

39.25 Road, graveled, bears N. and E.

39.51 89 lks. S. of this point, a net wire fence bears S. from a fence bearing NW. and E.

39.86 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 29 and 32, in fence line.

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.

T35S R3E

W $\frac{1}{4}$ $\frac{S29}{S32}$
C
1959

40.22 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32, at proportionate dist.; no evidence of the original cor. remains. This point falls in wash 4 ft. deep, 20 lks. wide and the cor. cannot be perpetuated.

Cont. over nearly level pasture land on S. side of fence.

77.80 Base of ascent, bears N. 20° W. and S. 20° E.; asc. 120 ft. over E. slope.

80.44 The cor. of secs. 29, 30, 31 and 32, monumented by a sandstone, 8x10x26 ins., set 4 ins. in the ground, dimly mkd.

Dependent Resurvey, Portion of Subdivision, T. 35 S., R. 3 E.

Chains

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.

T35S R3E

S30|S29

S31|S32

1959

Place original cor. in mound of stone around iron post.

From this point U. S. G. S. triangulation station "Escalante Rim" bears S. 55° 56' W., 43.48 chs. Its geographic position is latitude 37° 43' 24.67" N., longitude 111° 36' 46.26" W.

Land, broken, descending to nearly level to the E.

Soil, sandy loam and clay.

Timber, scattered juniper and pinon in the extreme W. portion

Survey of a Portion of the Subdivision of T. 35 S., R. 3 E.

From the cor. of secs. 29, 30, 31 and 32.

South, bet. secs. 31 and 32.

Over broken land, through scattered timber; asc. 50 ft. along E. slope; by triangulation.

1.60 Ledge, about 15 ft. high, bears N. 10° W. and S. 10° E.; asc. 100 ft. along broken E. slope of bench.

39.95 End of triangulation on top of spur sloping E.

40.00 Point for the ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T35S R3E

¼

S31|S32

1959

Asc. 150 ft. along broken E. slope, by traverse and triangulation.

70.00 Base of series of inaccessible ledges, bears N. 10° W. and S. 10° E.; asc. about 600 ft. over ledges.

80.31 True point for the closing cor. of secs. 31 and 32, on the S. bdy. of the Tp., which is witnessed S. 89° 34' W., 7.91 chs. dist. by an iron post, 2½ ins. diam., previously described.

Land, broken.

Soil, clay and exposed shale.

Timber, scattered juniper and pinon.

From the cor. of secs. 1 and 2, on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 1 and 2.

Over rolling, mountainous land, through moderate juniper and pinon; asc. 40 ft. over gentle N. slope.

4.80 East end of low spur, sloping from the W.; desc. 10 ft. over S. slope.

5.80 Small wash, drains NE.; asc. 30 ft. over small sage clearing.

12.80 Leave clearing, enter moderate timber; asc. 30 ft. over gentle N. slope.

Survey of Portion of Subdivision, T. 35 S., R. 3 E.

Chains

- 19.80 Ridge top, bears E. and W.; desc. 80 ft. over S. slope, through scattered timber, mostly exposed sandstone.
- 30.10 Wash, 1.00 chs. wide, 4 ft. deep, drains E.; asc. 110 ft. over N. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.
- Set an iron post, 15 ins. long, 1 in. diam., 8 ins. in drill hole in solid sandstone, with brass cap mkd.

T35S R3E

$\frac{1}{4}$
S 2 | S 1
1959

Asc. 70 ft. over N. slope.

- 48.80 Sandstone rim, about 10 ft. high, bears N. 60° E. and S. 60° W.; asc. 20 ft. over N. slope, through moderate timber.
- 52.10 Slope changes to NE.; asc. 40 ft.
- 57.70 Slope and drainage changes to N.; asc. 50 ft.
- 68.60 Sandstone rim bears S. 75° E. and N. 75° W.; asc. 10 ft.
- 72.60 Spur, slopes E.; desc. 10 ft. over S. slope.
- 76.60 Sandstone rim about 10 ft. high, bears E. and W.; desc. 30 ft. over gentle S. slope.
- 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., 22 ins. in the ground, with brass cap mkd.

T35S R3E

S 2 | S 1
S11 | S12
1959

from which

A pinon, 12 ins. diam., bears N. 9° 23' E., 84 lks. dist., mkd. T35S R3E S1 BT.

No other suitable bearing trees available.

Land, rolling, slightly broken.
Soil, sandy and exposed sandstone.
Timber, scattered to moderate juniper and pinon.
Undergrowth, scattered sage, yellow brush, manzanita, silverleaf, buckbrush and grass.

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 broken land, general E. drainage.

- 22.60 N. rim of canyon, bears irregularly E. and W.; desc. 80 ft. over sandstone ledge.
- 23.40 Base of ledge; desc. 30 ft. over S. slope.

Survey, Portion of Subdivision, T. 35 S., R. 3 E.

Chains	
28.00	Bottom of canyon, drains E.; asc. 70 ft. over N. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 2 and 3. Set an iron post, 15 ins. long, 1 in. diam., 6 ins. in drill hole in solid sandstone, with brass cap mkd.
	T35N R3E $\frac{1}{2}$ S. 3 S. 2 1959
	Raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor. Asc. 120 ft.
46.50	S. rim of canyon, bears irregularly E. and W.; asc. 20 ft. over N. slope, through heavy timber.
49.50	Top of ascent; desc. 20 ft. over S. slope.
55.00	Wash, 10 lks. wide, 2 ft. deep, drains E.; asc. 10 ft. over E. slope.
60.00	Top of ascent; cont. by traverse, topography estimated; desc. about 10 ft. over S. slope.
70.00	North rim of Escalante River Canyon, bears SW. and SE. on bend; desc. about 700 ft. over broken ledges, facing S.
80.00	True point for the cor. of secs. 2, 3, 10 and 11, falls in broken breaks of Escalante River Canyon on the N. side, inaccessible. From which the pt. selected for the witness cor. of secs. 2, 3, 10 and 11 bears S. 89° 39' E., 13.55 chs. dist., set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) cut in solid sandstone and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T35S R3E W S 3 S 2 C S10 S11 1959
	Land, rolling, N. 70 chs.; broken, S. 10 chs. Soil, sandy and exposed sandstone. Timber, scattered to moderate juniper and pinon. Undergrowth, scattered mansanita, sage, buckbrush, silverleaf and grass.
	From the cor. of secs. 1, 2, 11 and 12. N. 89° 39' W., bet. secs. 2 and 11. Over rolling land; desc. 50 ft. along rolling S. slope.
26.30	Slope changes to SE.; asc. 60 ft.
36.40	Slope changes to E.; asc. 20 ft.
39.94	Point for the $\frac{1}{2}$ 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.

Portion of Subdivisⁿ T. 35 S., R. 3 E.

Chains

T35S R3E

S 2

.S11

1959

Deposit charcoal in hole.

Asc. 50 ft.

- 47.30 Broken sandstone rib, bears SE. from N. 15° W.; asc. 30 ft. over broken SE. slope.
- 55.60 Slope changes to N.; asc. 10 ft.
- 58.90 Slope changes to W.; desc. 10 ft.
- 66.32 The witness cor. of secs. 2, 3, 10 and 11.
- 66.40 Broken rim of Escalante River Canyon, bears SE. and NW.; cont. by traverse, topography estimated; desc. about 700 ft. over broken breaks of canyon, S. drainage.
- 79.87 True point for the cor. of secs. 2, 3, 10 and 11.
Land, rolling and broken.
Soil, sandy and exposed sandstone.
Timber, scattered pinon and juniper.
Undergrowth, scattered masanita, sage, silverleaf, buckbrush and grass.

General Description

The land along the north boundary is high mountains cut by numerous canyons, draining south. The north two miles of the east boundary is high mesaland cut by the canyon of the Escalante River, which drains east. The land is covered with a fair to medium growth of juniper, pinon and Ponderosa pine.

The land in section 32 is nearly level, raising to mountainous on the west boundary. A road bears north and south along the east boundary, turning west at the northeast corner and continuing along the north boundary to the quarter corner of sections 29 and 32, from where it continues north. There is a medium growth of juniper and pinon along the west boundary.

CERTIFICATE OF CADASTRAL ENGINEER

~~We, George D. Voorhees, Donald A. Cannon, Boyd S. Owens,~~ HEREBY CERTIFY upon honor that, in
 pursuance of special instructions bearing date of the 31st day of March, 1960,
 we ~~have surveyed~~ Independently resurveyed a portion of the west boundary of T. 35 S.,
R. 4 E.; dependently resurveyed a portion of the south and north boundaries and a
portion of the subdivision; independently resurveyed a portion of the north boundary
and surveyed a portion of the subdivision of T. 35 S., R. 3 E.

of the Salt Lake Meridian, in the State of Utah, which is
 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
September 16, 1960

George D. Voorhees
 George D. Voorhees, Cadastral Surveyor
Donald A. Cannon
 Donald A. Cannon, Cadastral Surveyor
Boyd S. Owens
 Boyd S. Owens, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C., OCT 12 1962, 1962

The foregoing field notes of the ~~survey of~~ independent resurvey of a portion of the west
 boundary of T. 35 S., R. 4 E.; dependent resurvey of a portion of the south and north
 boundaries and a portion of the subdivision, independent resurvey of a portion of
 north boundary, and survey of a portion of the subdivision of T. 35 S., R. 3 E., SIM
 executed by George D. Voorhees, Donald A. Cannon and Boyd S. Owens, Cadastral
 having been critically examined and found correct, are hereby approved.

Ed Livingston
 Cadastral Engineering Staff Officer
 Chief, Division of Engineering

CERTIFICATE OF TRANSCRIPT

....., is a true copy of the original of

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF THE WEST BOUNDARY

OF

TOWNSHIP 10 SOUTH, RANGE 10 WEST

AND THE SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 10 SOUTH, RANGE 11 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

Robert S. Kaiser, 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 12, 1960

Survey completed August 11, 1960

INDEX DIAGRAM

Township 10 South, *Range* 11 West

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16-86770-1

Craig P. Sylvester _____
 Robert S. Kaiser _____

Township 10 South, Range 11 West

Chains

The east boundary (the Second Guide Meridian West) was surveyed by Joseph Gorlinski in 1875. The north boundary was surveyed by W. A. Gorlinski in 1876. The south boundary (the Second Standard Parallel South) was surveyed by Joseph Gorlinski in 1875 and independently resurveyed by Elliot Bird in 1948.

The following field notes are those of a dependent resurvey of the east boundary 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 W. & L. E. Gurley solar transits Nos. 461265 and 541325 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 $39^{\circ} 54' 17.19''$ N. and longitude $113^{\circ} 01' 27.42''$ 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 $16^{\circ} 45' E.$

Resurvey W. 1/2 Sec. T. 10 S., R. 10 W.

Dependent Resurvey of the West Boundary of T. 10 S., R. 10 W. and the establishment thereof of new cor. pertaining to T. 10 S., R. 11 W. at latitudinal intervals of 40.00 chs. N. of the standard cor. of T. 10 S., Rs. 10 and 11 W.

Reestablishment of the survey executed by Joseph Gorlinski in 1875.

From the standard cor. of T. 10 S., Rs. 10 and 11 W. monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 16' E., along the W. bdy. of sec. 31, T. 10 S., R. 10 W.

Over gently rolling desert land, draining NE.

34.60 Wash, 5 lks. wide, 2 ft. deep, drains NW.

40.00 Point for the 1/4 sec. cor. of sec. 36, T. 10 S., R. 11 W. only.

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.

T10S
R11W R10W
1/4
S36
1960

40.28 Point for the 1/4 sec. cor. of sec. 31, T. 10 S., R. 10 W. only, at proportionate dist.

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.

T10S
R11W R10W
1/4
S31
1960

No remaining evidence of original cor.

N. 0° 16' E., beginning new measurement.

39.72 Point for the cor. of secs. 25 and 36, T. 10 S., R. 11 W.

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.

T10S
R11W R10W
S25
S36 | S31
1960

40.28 The original cor. of secs. 25, 30, 31 and 36, mkd. by a 2x12x6 in. limestone, plainly mkd. This cor. will now function for secs. 30 and 31, T. 10 S., R. 10 W. only.

Dependent Resurvey, W. Bdy., T. 10 S., R. 10 W.

Chains

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.

T10S
R11W R10W
S25 | S30
 | S31
 1960

Deposit original cor. N. of iron post.

Land, gently rolling.
Soil, clay with some gravel.
Timber, none.
Undergrowth, shadscale.

N. 0° 16' E. along the W. bdy. of sec. 30, T. 10 S., R. 10 W.

Over gently rolling desert land, draining NE.

30.80 Unimproved road, bears E. and W.

39.44 Point for the ¼ sec. cor. of sec. 25, T. 10 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.

T10S
R11W R10W
¼ |
S25 |
 1960

40.29 The original ¼ sec. cor. of secs. 25 and 30, mkd. by a 4x6x14 in. limestone, set, mkd. and witnessed as described in the official record. This cor. will now function as the ¼ sec. cor. of sec. 30, T. 10 S., R. 10 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.

T10S
R11W R10W
 | ¼
 | S30
 1960

Deposit original cor. N. of iron post.

N. 0° 06' E., beginning new measurement.

39.15 Point for the cor. of secs. 24, and 25, T. 10 S., R. 11 W.

Dependent Resurvey W. Bdy. T. 10 S., R. 10 W.

Chains

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.

T10S
R11W R10W
S24 | S30
S25 |
1960

40.34 The original cor. of secs. 19, 24, 25 and 30, mkd. by a 4x6x10 in. limestone set, mkd. and witnessed as described in the official record. This cor. will now function as the cor. of secs. 19 and 30, T. 10 S., R. 10 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.

T10S
R11W R10W
S24 | S19
S30 |
1960

Deposit original cor. N. of iron post.

Land, gently rolling.
Soil, clay.
Timber, none.
Undergrowth, shadscale.

N. 0° 10' E., along the W. bdy. of sec. 19, T. 10 S., R. 10 W.

Over gently rolling desert land, draining NE.

38.81 Point for the ¼ sec. cor. of sec. 24, T. 10 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.

T10S
R11W R10W
¼ |
S24 |
1960

40.29 The original ¼ sec. cor. of secs. 19 and 24, mkd. by a 4x5x13 limestone, set, mkd. and witnessed as described in the official record. This cor. will now function as the ¼ sec. cor. of sec. 19, T. 10 S., R. 10 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.

T10S
R11W R10W
¼ |
S19 |
1960

W. Bdy. T. 10 S. R. 10 W.

Chains

Deposit original cor. N. of iron post.

N. 0° 10' E., beginning new measurement.

21.70 Wash, 10 lks. wide, 2 ft. deep, drains NE.

38.52 Point for the cor. of secs. 13 and 24, T. 10 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.

T10S
R11W R10W
S13 | S19
S24 |
1960

40.32 The original cor. of secs. 13, 18, 19 and 24, mkd. by a 3x6x10 in. limestone, set, mkd. and witnessed as described in the official record. This cor. will now function as the cor. of secs. 18 and 19, T. 10 S., R. 10 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.

T10S
R11W R10W
S13 | S18
S19 |
1960

Deposit original cor. N. of iron post.

Land, gently rolling.
Soil, clay.
Timber, none.
Undergrowth, shadscale.

N. 0° 10' E., along the W. bdy. of sec. 18, T. 10 S., R. 10 W.

Over gently rolling desert land, draining NE.

38.20 Point for the ¼ sec. cor. of sec. 13, T. 10 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.

T10S
R11W R10W
¼ |
S13 |
1960

40.35 The original ¼ sec. cor. of secs. 13 and 18, mkd. by a 3x4x12 in. limestone, set, mkd. and witnessed as described in the official record. This cor. will now function as the ¼ sec. cor. of sec. 18, T. 10 S., R. 10 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.

De endent Resurve W. Bd . T . 0

Chains

T10S
R11W R10W
|
1/4
S18
1960

Deposit original cor. N. of iron post.

N. 0° 10' E., beginning new measurement.

37.85 Point for the cor. of secs. 12 and 13, T. 10 S., R. 11 W.

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.

T10S
R11W R10W
S12 | S18
S13 |
1960

37.96 Four strand barbed wire fence, bears E. and W.

40.35 The original cor. of secs. 7, 12, 13 and 18, mkd. by a 4x4x10 in. limestone set, mkd. and witnessed as described in the official record. This cor. will now function as the cor. of secs. 7 and 18, T. 10 S., R. 10 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.

T10S
R11W R10W
S12 | S 7
S18 |
1960

Deposit original cor. N. of iron post.

Land, gently rolling.
Soil, clay.
Timber, none.
Undergrowth, shadscale.

N. 0° 10' E., along the W. bdy. of sec. 7, T. 10 S., R. 10 W.

Over gently rolling desert land, draining E.

37.50 Point for the 1/4 sec. cor. of sec. 12, T. 10 S., R. 11 W.

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.

T10S
R11W R10W
1/4 |
S12 |
1960

Dependent Resurvey, W. Bdy., T. 10 S., R. 10 W.

Chains

40.19 The original $\frac{1}{2}$ sec. cor. of secs. 7 and 12, mkd. by a 3x6x16 in. limestone set, mkd. and witnessed as described in the official record. This cor. will now function as the $\frac{1}{2}$ sec. cor. of sec. 7, T. 10 S., R. 10 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.

T10S
R11W R10W

$\frac{1}{2}$
S 7

1960

Deposit original cor. N. of iron post.

N. $0^{\circ} 05'$ W., beginning new measurement.

37.31 Point for the cor. of secs. 1 and 12, T. 10 S., R. 11 W.

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.

T10S
R11W R10W

S 1 | S 7
S12

1960

40.18 The original cor. of secs. 1, 6, 7 and 12, mkd. by a 3x6x12 in. limestone, set, mkd. and witnessed as described in the official record. This cor. will now function as the cor. of secs. 6 and 7, T. 10 S., R. 10 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.

T10S
R11W R10W

S 1 | S 6
S 7

1960

Deposit original cor. N. of iron post.

Land, gently rolling.

Soil, sandy clay.

Timber, none.

Undergrowth, shadscale.

North, along the W. bdy. of sec. 6, T. 10 S., R. 10 W.

Over gently rolling desert land, draining N.

37.13 Point for the $\frac{1}{2}$ sec. cor. of sec. 1, T. 10 S., R. 11 W.

De endent Reserve W. Bd . T. 10 S. R . W

Chains

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.

T10S
R11W R10W
½
S 1
1960

40.27 The original ¼ sec. cor. of secs. 1 and 6, mkd. by a 3x5x12 in. limestone set, mkd. and witnessed as described in the official record. This cor. will now function as the ¼ sec. cor. of sec. 6, T. 10 S., R. 10 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.

T10S
R11W R10W
½
S 6
1960

Deposit original cor. N. of iron post.

N. 0° 07' W., beginning new measurement.

31.50 Wash, 10 lks. wide, 5 ft. deep, drains N. 10° W.

40.25 The original cor. of Tps. 9 and 10 S., Rs. 10 and 11 W., mkd. by a 6x8x16 in. limestone 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
S36 | S31
S 1 | S 6
T10S
1960

Buried original cor. N. of iron post.

Land, gently rolling.
Soil, clay.
Timber, none.
Undergrowth, shadscale.

Portion of Subdivision, T. 10 S. R. 11 W.

Chains

Survey of a Portion of the Subdivision of T. 10 S., R. 11 W.

Beginning at the standard cor. of secs. 35 and 36 on the S. bdy. of the Tp., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 07' E., bet. secs. 35 and 36.

Over rolling bench land, along an E. slope.

- 5.70 Wash, 4 ft. deep, 30 lks. wide, drains E.; cont. along E. slope.
 38.70 Wash, 3 ft. deep, 20 lks. wide, drains E.; cont. along E. slope.
 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., 15 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T10S R11W
 $\frac{1}{4}$
 S35|S36
 1960

Desc. 15 ft. along E. slope.

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

T10S R11W
 S26|S25
 S35|S36
 1960

Land, rolling.
 Soil, clay with gravel and rocks.
 Timber, none.
 Undergrowth, shadscale.

From the cor. of secs. 25 and 36 on the E. bdy. of the Tp.

S. 89° 59' W., bet. secs. 25 and 36.

Over gently rolling desert land, draining N.

- 3.40 Small wash, drains N.
 28.00 Small wash, drains N.; asc. gentle NE. slope.
 40.08 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.

Portion of Subdivision T. 10 S. . 11 W.

Chains

T10S R11W

$\frac{1}{4}$ S25
S36

1960

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

Asc. 80 ft. over NE. slope of bench land.

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

Land, rolling.
Soil, clay, gravelly on bench.
Timber, none.
Undergrowth, shadscale.

From the standard cor. of secs. 33 and 34 on the S. bdy. of the Tp. monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 06' E., bet. secs. 33 and 34.

Over mountainous desert land, through scattered juniper; desc. 160 ft. over N. slope.

9.00 Small wash, drains S. 60° W.; asc. 45 ft. over S. slope.

13.70 Spur, slopes W.; desc. 40 ft. over N. slope.

16.80 Wash, 3 ft. deep, 30 lks. wide, drains S. 60° W.; asc. 280 ft. over broken S. slope of spur which slopes S.

35.70 Top of spur, which slopes S. from N. 10° W.; desc. 20 ft. along W. slope.

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

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

T10S R11W

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

1960

from which

A juniper, 6 ins. diam., bears N. 0° 02' W., 25 lks. dist. mkd. $\frac{1}{4}$ S33 BT.

Desc. 50 ft. along W. slope.

63.20 Wash, 2 ft. deep, 20 lks. wide, drains SW.; asc. 285 ft. over broken SE. slope.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

Survey, Portion of Subdivision, T. 10 S., R. 11 W.

Chains

T10S R11W
S28|S27
S33|S34
1960

from which

A juniper, 22 ins. diam., bears S. 55° W., 61 lks. dist.,
mkd. T10S R11W S33 BT.

Land, broken.

Soil, gravelly with exposed ledges.

Timber, scattered juniper.

Undergrowth, shadscale, sagebrush and bunch grass.

N. 0° 06' E., bet. secs. 27 and 28.

Over mountainous desert land, through medium growth of juniper; asc.
115 ft. over SE. slope.

- 4.20 Spur, slopes E.; desc. 200 ft. over NW. slope.
- 12.90 Draw, drains N. 45° E.; asc. 30 ft. over SE. slope.
- 17.90 Ridge, bears N. 10° E. and S. 20° W.; desc. 160 ft. along W. slope.
- 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., 10 ins. in the ground
and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T10S R11W
1/4
S28|S27
1960

from which

A juniper, 6 ins. diam., bears N. 65° W., 50 lks. dist.,
mkd. 1/4 S28 BT.

Desc. 80 ft. along W. slope.

- 45.30 Draw, drains W.; asc. 50 ft. over SW. slope.
- 48.90 Spur, slopes W.; desc. 110 ft. over N. slope.
- 53.60 Draw, drains W.; asc. 60 ft. over SW. slope.
- 57.00 Spur, slopes NW.; desc. 200 ft. over NW. slope.
- 67.00 Wash, 2 ft. deep, 30 lks. wide, drains W. 3 chs., thence NW.; asc.
120 ft. over SE. slope.
- 78.10 Top of ascent on high spur which slopes W.; desc. along W. slope.
- 80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Sub e Portion of Subdivision T. 10-S. R. 11

Chains

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.

T10S R11W
S21|S22
S28|S27
1960

Land, broken.
Soil, gravel with rock outcrops.
Timber, scattered juniper.
Undergrowth, shadscale and sage.

N. 0° 06' E., bet. secs. 21 and 22.

Over broken, mountainous land, through scattered juniper; desc. 40 ft. along irregular W. slope.

13.50 Saddle on top of spur, bears E. and W.; desc. 280 ft. over NE. slope of draw.

27.50 Wash in bottom of draw, drains N. 10° W.; desc. 100 ft. along W. slope of draw:

40.00 Point for the ¼ sec. cor. of secs. 21 and 22.

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.

T10S R11W
¼
S21|S22
1960

Desc. 60 ft. along W. slope.

53.20 Wash, 3 ft. deep, 30 lks. wide, drains N. 20° W.; asc. 120 ft. along W. slope.

75.50 Saddle on top of spur, bears E. and W.; desc. 100 ft. over broken N. slope.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

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.

T10S R11W
S16|S15
S21|S22
1960

Land, broken.
Soil, gravelly with rock outcrops.
Timber, scattered scrub juniper.
Undergrowth, shadscale and sage.

N. 0° 06' E., bet. secs. 15 and 16.

Over broken mountain land of Dugway Range; desc. 200 ft. over broken N. slope in large draw.

Survey, Portion of Subdivision, T. 10 S., R. 11 W.

- Chains
- 12.00 Draw changes course to N. 5° E.; desc. 60 ft. along E. slope of long spur.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.
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.

T10S R11W

 $\frac{1}{4}$

S16 | S15

1960

Cont. along E. slope.

- 42.90 Small spur, slopes E.; desc. 50 ft. over gentle NE. slope.
- 52.80 Wash, 3 ft. deep, 20 lks. wide, drains N. 70° E.; cont. over bottom of Fandangle Canyon.
- 59.40 Wash, 4 ft. deep, 50 lks. wide, drains E., 2 chs. thence S. 60° E., asc. S. slope.
- 60.40 Unimproved road, bears E. and W.; asc. 220 ft. over broken S. slope.
- 80.00 Point for the cor. of secs. 9, 10, 15 and 16.

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.

T10S R11W

S 9 | S10

S16 | S15

1960

Cor. falls about 1 ch. below broken ledges.

Land, broken.

Soil, gravelly with rock outcrops.

Timber, very scattered scrub juniper.

Undergrowth, shadscale and sage.

- N. 0° 06' E., bet. secs. 9 and 10.
- Over broken mountainous land; asc. 150 ft. over S. slope.
- 5.30 Spur, slopes S. 20° W.; asc. 140 ft. over SW. slope.
- 19.40 Spur, slopes S. 30° E.; asc. 220 ft. over broken SE. slope.
- 32.00 Top of ascent on ridge, bears irregularly E. and NW.; desc. 175 ft. over broken N. slope.
- 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., 10 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T10S R11W

 $\frac{1}{4}$

S 9 | S10

1960

Survey, Portion of Subdivision, T. 10 S., R. 11 W.

Chains

Desc. 240 ft. over broken N. slope.

51.50 Wash, 4 ft. deep, 30 lks. wide, drains N. 45° W.; asc. 360 ft. over broken and irregular SE. slope.

76.10 Top of high ledgy spur, slopes N. 80° E.; a high point bears E. about 2 chs.; desc. 160 ft. over ledgy N. slope.

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

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

T10S R11W

S 4 | S 3

S 9 | S10

1960

Land, broken.

Soil, gravel and rock outcrops.

Timber, scattered juniper.

Undergrowth, shadscale and sage.

N. 0° 06' E., bet. secs. 3 and 4.

Over mountainous desert land; desc. 640 ft. over broken and irregular N. slope.

38.00 Base of steep N. slope; desc. over gentle N. slope; leave mountains.

40.00 Point for the ¼ sec. cor. of secs. 3 and 4.

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.

T10S R11W

¼

S 4 | S 3

1960

Desc. gentle N. slope.

41.60 Graded road, bears N. 70° W. and S. 70° E.; desc. 25 ft. over gentle N. slope.

80.65 Four strand barbed wire fence, bears E. and W.

83.42 Intersect the S. bdy. of T. 9 S., R. 11 W.

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

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T9S R11W

S34

S 4 | S 3

C C

T10S

1960

Portion of Subdivision, T. 10 S., R. 11 W.

Chains

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

From this closing cor. the cor. of secs. 33 and 34, T. 9 S., R. 11 W. bears S. $89^{\circ} 52'$ W., 1.96 chs. dist., mkd. by an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of the dependent resurvey of the S. bdy. of T. 9 S., R. 11 W.

Land, broken S. portion, level N. portion,
Soil, gravelly and ledgy S. portion, clay N. portion.
Timber, scattered juniper on hills, none on flats.
Undergrowth, shadscale and sage.

From the cor. of secs. 1, 2, 35 and 36 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 field notes of the dependent resurvey of the S. bdy. of T. 9 S., R. 11 W.

S. $0^{\circ} 10'$ E., bet. secs. 1 and 2.

Over nearly level desert land, draining N.

43.42 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.

T10S R11W

$\frac{1}{4}$
S 2 | S 1
1960

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.; cont. over level desert land.

83.42 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.

T10S R11W

S 2 | S 1
S11 | S12
1960

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

Land, nearly level.
Soil, clay.
Timber, none.
Undergrowth, shadscale and sage.

S. $89^{\circ} 56'$ W., bet. secs. 2 and 11, on a course calculated to be bet. the cor. of secs. 1 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.

19.10 Four strand barbed wire fence, bears N. and S.

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.

Surve , Portion of Subdivision T. 10 S. R. 11 W.

Chains

T10S R11W

$\frac{1}{2}$ $\frac{S 2}{S11}$

1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of the cor.

51.40 Unimproved 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, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T10S R11W

$\frac{S 3 | S 2}{S10 | S11}$

1960

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

Land, level.

Soil, clay.

Timber, none.

Undergrowth, shadscale and blackbrush.

N. 0° 07' E., bet. secs. 2 and 3.

Over gently rolling desert land, draining N.

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

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T10S R11W

$\frac{1}{2}$ $\frac{S 3 | S 2}{S10 | S11}$

1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

83.46 Intersect the S. bdy. of T. 9 S., R. 11 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.

T9S

$\frac{S 3 | S 2}{C | C}$

T10S R11W

1960

Raise a mound of stone, 2½ ft. base, 2 ft. high, S. of cor.

From the closing cor. the cor. of secs. 34 and 35, T. 9 S., R. 11 W. bears S. 89° 57' W., 1.47 chs. dist., mkd. by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the resurvey of the S. bdy. of T. 9 S., R. 11 W.

Survey, Portion of Subdivision, T. 10 S., R. 11 W.

Chains

Land, gently rolling.
Soil, clay.
Timber, none.
Undergrowth, shadscale.

Point for the N. $\frac{1}{4}$ sec. cor. of sec. 2 is on the S. bdy. of T. 9 S., R. 11 W. and is midpoint bet. the cor. of secs. 1, 2, 35 and 36 and the closing 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.

T9S
 $\frac{1}{4}$ S. 2
T10S R11W
1960

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 S. $\frac{1}{4}$ sec. cor. of sec. 35, T. 9 S., R. 11 W., bears S. $89^{\circ} 57' W.$, 0.215 chs. dist., mkd. by an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of the resurvey of the S. bdy. of T. 9 S., R. 11 W.

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

West, bet. secs. 16 and 21.

Over broken mountainous land of Dugway Range; asc. 120 ft. over E. slope.

3.70 Spur, slopes N.; desc. 180 ft. over W. slope.

13.00 Base of W. slope, bears N. and S.; desc. 20 ft. along N. slope in bottom of Fandangle Canyon.

17.00 Wash, 3 ft. deep, 30 lks. wide, drains N.; cont. along N. slope.

35.50 Wash, 2 ft. deep, 30 lks. wide, drains N.; cont. along N. 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., 14 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap mkd.

T10S R11W
S16
 $\frac{1}{4}$ S21
1960

Cont. along N. slope.

44.20 Wash, 3 ft. deep, 40 lks. wide, drains N.; cont. along N. slope.

50.70 Wash, 3 ft. deep, 20 lks. wide, drains NE.; asc. 40 ft. over E. slope.

56.50 Trail road, bears N. and S.; asc. 290 ft. over E. slope of rocky spur.

Survey, Portion of Subdivision, T. 10 S., R. 11 W.

Chains

- 68.00 Spur, slopes N. about 10 chs. to end; desc. 140 ft. over NW. slope.
- 72.70 Draw, drains N.; asc. 140 ft. over NE. slope.
- 80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

T10S R11W
 S17|S16
 S20|S21
 1960

Land, broken.
 Soil, rocky and ledgy.
 Timber, very scattered juniper.
 Undergrowth, shadscale and sage.

N. 0° 05' E., bet. secs. 16 and 17.

Over broken desert land; desc. 90 ft. along E. slope.

- 14.30 Spur, slopes NE. from S.; desc. 120 ft. over NW. slope.
- 20.20 Wash, 3 ft. deep, 20 lks. wide, drains N. 45° E.; desc. 40 ft. over NE. slope in Fandangle Canyon, leave hills.
- 29.20 Small wash, drains NE.; desc. 20 ft. over gentle N. slope.
- 38.10 Wash, 3 ft. deep, 20 lks. wide, drains N. 10° E.; desc. over N. slope.
- 40.00 Point for the ½ sec. cor. of secs. 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.

T10S R11W
 ½
 S17|S16
 1960

Desc. 15 ft. over gentle N. slope.

- 44.50 Small rise, slopes NE.; desc. 80 ft. over N. slope.
- 54.70 Trail road, bears NW. and SE.; desc. 85 ft. over N. slope.
- 80.00 Point for the cor. of secs. 8, 9, 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.

T10S R11W
 S 8 | S 9
 S17 | S16
 1960

Land, broken.
 Soil, gravelly.
 Timber, scattered juniper on hills.
 Undergrowth, shadscale and sage.

Survey Portion of Subdivision T. 10 S. R. 11 W.

Chains

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

West, bet. secs. 9 and 16.

Over broken desert land; asc. 15 ft. over SE. slope.

2.30 Small spur, slopes S.; desc. 100 ft. along irregular S. slope.

21.40 Spur, slopes S.; desc. 70 ft. over W. slope in Fandangle Canyon.

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., 20 ins. in the ground and in a collar of stone, with brass cap mkd.

T10S R11W

 $\frac{1}{4}$ S 9

S16

1960

Desc. 25 ft. over gentle NW. slope.

60.90 Small wash, drains NW.; desc. 15 ft. over gentle NW. slope.

76.20 Wash, 6 ft. deep, 70 lks. wide, drains N.; cont. along N. slope.

80.00 The cor. of secs. 8, 9, 16 and 17.

Land, broken to rolling.

Soil, gravelly and rocky.

Timber, none.

Undergrowth, shadscale and sage.

From the standard cor. of secs. 32 and 33 on the S. bdy. of the Tp. mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. $0^{\circ} 05'$ E., bet. secs. 32 and 33.

Over mountainous desert land of Dugway Range, through scattered juniper; desc. 200 ft. over N. slope.

8.00 Wash, 2 ft. deep, 20 lks. wide, drains W.; asc. 160 ft. over SW. slope.

14.40 Spur, slopes W.; desc. 80 ft. along broken W. slope.

33.50 Draw, drains SW.; asc. 125 ft. over S. 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., 6 ins. in the ground, to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T10S R11W

 $\frac{1}{4}$ S32

S33

1960

Asc. 250 ft. over S. slope.

Surve Portion of Subdivision T. 10 S. . 11 W.

Chains

- 47.10 Top of spur which slopes S.; desc. 40 ft. along top of spur.
- 63.20 Leave top of spur which bears to NE.; asc. 300 ft. over broken S. slope.
- 80.00 Point for the cor. of secs. 28, 29, 32 and 33.
- Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
- T10S R11W
S29|S28
S32|S33
1960
- Land, broken mountain.
Soil, gravel and ledgy.
Timber, scattered juniper.
Undergrowth, shadscale and sage.
- From the standard cor. of secs. 31 and 32 on the S. bdy. of the Tp. mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.
- N. 0° 05' E., bet. secs. 31 and 32.
- Over broken desert land on W. slopes of Dugway Range; over SW. slope.
- 3.10 Small wash, drains S. 30° W.; asc. 75 ft. over S. slope.
- 18.50 Road, bears E. and W.; asc. 140 ft. over SE. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 31 and 32.
- 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.
- T10S R11W
¼
S31|S32
1960
- Cor. falls on top of spur, sloping SW.
- Cont. along W. slope.
- 58.40 Wash, 3 ft. deep, 30 lks. wide, drains SW.; asc. 80 ft. over SE. slope.
- 62.30 Spur, slopes SW.; desc. 25 ft. along W. slope.
- 70.60 Wash, 3 ft. deep, 40 lks. wide, drains SW.; asc. 75 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., 16 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

Survey Portion of Subdivision, T. 10 S., R. 11 W.

Chains

T10S R11W

S30|S29

S31|S32

1960

Cor. falls on small spur, sloping SW.

Land, broken.

Soil, gravel.

Timber, scattered juniper in hills.

Undergrowth, shadscale.

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

West, bet. secs. 29 and 32.

Over mountainous desert land of Dugway Range, through scattered juniper; asc. 40 ft. along S. slope.

8.30 Spur, slopes SW. from N. 80° E.; desc. 600 ft. over broken and irregular W. slope.

28.30 Wash, 3 ft. deep, 20 lks. wide, drains SW.; asc. 60 ft. along irregular S. slope.

40.03 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., 14 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T10S R11W

S29 $\frac{1}{4}$ S32

1960

Cont. along S. slope.

46.00 Spur, slopes S. 20° W.; desc. 80 ft. over W. slope.

50.20 Draw, drains S.; asc. 160 ft. over ledgy E. slope.

58.80 Rocky spur, slopes S.; desc. 315 ft. over broken SW. slope.

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

Land, broken mountain.

Soil, gravelly and ledgy.

Timber, scattered juniper.

Undergrowth, shadscale and blackbrush.

General Description

With the exception of the east portion T. 10 S., R. 11 W. is covered by the Dugway Mountain Range. The mountains are very rough and irregular and covered with a scattered to medium growth of juniper. The undergrowth consists mainly of shadscale with some sage and blackbrush.

There are several roads around the base of the mountains. The main one is a graded road which enters the township on the south boundary of section 35, bears northward along the base of the mountains, and leaves the township on the north boundary of section 5.

Township 10 South, Range 11 West

Chase

The elevation varies from about 4,480 feet above sea level on the flats to 6,830 feet on the mountain tops.

No springs or permanent water were noted during the survey.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Robert S. Kaiser	Crew chief, transit
Morris E. Blackburn	Notes (rear chainman)
George D. Roundy	Front Chainman
Dennis D. Bland	Cornerman
John A. Kerr	Flagman
Craig P. Sylvester	Crew chief
Jeddie J. Judd	Notes (rear chain)
John D. Carter	Front chainman
James R. Munson	Transit
Arthur G. Barnhart III	Flagman

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 9th day of May, 1960, T. 10 S., R. 10 W. we have ~~surveyed~~ dependently resurveyed the ~~west boundary~~ and surveyed a portion of the subdivision of T. 10 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 20, 1961

Robert S. Kaiser, Cadastral Surveyor
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 the ~~west boundary~~ and T. 10 S., R. the survey of a portion of the subdivision of T. 10 S., R. 11 W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester and Robert S. Kaiser, Cadastral Surveyors

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

SURVEY

OF THE EAST BOUNDARY

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 10 SOUTH, RANGE 12 WEST

Of the

Salt Lake

Meridian,

In the State of

Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor (Chief of Party)

Robert S. Kaiser, 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 18 , 1960

Survey completed August 10 , 1960

INDEX DIAGRAM

Township 10 South , *Range* 12 West

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GPO 866119

Craig P. Sylvester _____

Robert S. Kaiser _____

Township 10 South, Range 12 West

Chains

The south boundary (the Second Standard Parallel South) was surveyed by Joseph Gorlinski in 1875 and independently resurveyed by Elliot Bird in 1951. The west boundary was surveyed by Elliot Bird in 1951. A portion of the north boundary was surveyed by W. A. Gorlinski in 1876; it was dependently resurveyed concurrently and shows in the field notes of T. 9 S., R. 12 W. A portion of the north boundary was surveyed concurrently and shows in the field notes of T. 9 S., R. 12 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 the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transits Nos. 461265 and 541325 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 39° 54' 17.19" N. and longitude 113° 08' 13.82" 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° 45' E.

Surve E. Bd . T. 10 S. R. 12 W.

Chains

Survey of the East Boundary of T. 10 S., R. 12 W.

From the standard cor. of T. 10 S., Rs. 11 and 12 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 rolling desert bench land on W. slopes of Dugway Range, along a W. slope.

15.70 Small wash, drains SW.; asc. 10 ft. along W. slope.

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

34.70 Wash, 4 ft. deep, 60 lks. wide, drains S. 40° W.; asc. 10 ft. over SW. slope.

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., 22 ins. in the ground and in a collar of stone, with brass cap mkd.

T10S
R12W R11W
1/4
S36 | S31
1960

Asc. 10 ft. over SW. slope.

45.70 Wash, 4 ft. deep, 1 ch. wide, drains SW.; asc. 80 ft. over SW. 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., 16 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T10S
R12W R11W
S25 | S30
S36 | S31
1960

Land, rolling.
Soil, clay and gravel.
Timber, none.
Undergrowth, shadscale.

North, bet. secs. 25 and 30.

Over rolling desert bench land; asc. 25 ft. over SW. slope.

28.90 Small wash, drains SW.; asc. 35 ft. over SW. slope.

39.60 Wash, 3 ft. deep, 20 lks. wide, drains S. 50° W.; asc. SW. slope.

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

E. Bdy., T. 10 S., R. 12 W.

Chains

T10S
R12W R11W
½
S25|S30
1960

Asc. 25 ft. over SW. slope.

48.90 Unimproved road, bears NW. and SE.; asc. 80 ft. over S. slope of spur; enter hills.

56.00 Spur, slopes W.; asc. 55 ft. along W. slope.

74.30 Wash, 2 ft. deep, 30 lks. wide, drains SW.; asc. 55 ft. over S. slope.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

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.

T10S
R12W R11W
S24|S19
S25|S30
1960

Land, broken.
Soil, gravel and rock.
Timber, none.
Undergrowth, shadscale.

North, bet. secs. 19 and 24.

Over mountainous desert land of Dugway Range; asc. 30 ft. over S. slope.

7.70 Rocky spur, slopes SW.; desc. 120 ft. along W. slope.

19.80 Wash, 3 ft. deep, 30 lks. wide, drains SW. from N. irregularly; asc. 140 ft. along E. slope of spur.

34.20 Slope changes; asc. 60 ft. over S. slope.

40.00 Point for the ½ sec. cor. of secs. 19 and 24.

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

T10S
R12W R11W
½
S24|S19
1960

Asc. 960 ft. over ledgy and irregular S. slope; by triangulation.

80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Survey E. Bdy. T. 10 S., R. 12 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam. on solid rock over a cross (X) and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T10S
R12W R11W
S13|S18
S24|S19
1960

Cor. falls on steep slope bet. two large boulders, near bottom of ledge about 60 ft. high.

From this cor. U.S.G.S. station "Detroit" bears N. 34° 18' W., 19.15 chs. dist. with latitude 39° 57' 03.995" N., longitude 113° 08' 22.961" W.

Land, broken.
Soil, gravel, rocky and ledgy.
Timber, scattered juniper.
Undergrowth, shadscale and black brush.

North, bet. secs. 13 and 18.

Over mountainous desert land; asc. 170 ft. over S. slope and ledges, facing S.

3.30 Top of ledges, bear E. and S. 40° W.; asc. 100 ft. over S. slope.

7.50 Top of ascent on ridge, about 1.50 chs. E. of highest point on Dugway Range, ridge, bears NW. and SE. irregularly; desc. 280 ft. over ledgy NE. slope; by triangulation, with topography scaled from U.S.G.S. sheets.

16.40 Draw, drains N. 70° E.; asc. 80 ft. over SE. slope.

22.50 Spur, slopes E.; desc. 280 ft. over NE. slope of spur, which slopes N. irregularly.

33.00 Spur, slopes N. 10° E.; desc. 200 ft. over NW. slope.

40.00 Point for the ¼ sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam. on solid rock over a cross (X) and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T10S
R12W R11W
¼
S13|S18
1960

Desc. 30 ft. over NW. slope.

42.50 Ravine, drains N. 20° E.; desc. 40 ft. along E. slope of spur.

52.20 N. end of spur which slopes N.; desc. 125 ft. over N. slope; end of triangulation.

57.80 Wash, in bottom of draw, drains N. 20° E.; asc. 50 ft. over SE. slope.

Survey, E. Bdy., T. 10 S., R. 12 W.

Chains

- 61.70 Spur, slopes E.; desc. 140 ft. over NE. slope.
- 73.00 Same wash, drains N. irregularly; desc. 150 ft. along irregular W. slope above wash.
- 80.00 Point for the cor. of secs. 7, 12, 13 and 18.
- Set an iron post, 30 ins. long, 2½ ins. diam. on solid rock, over a cross (X) and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T10S
R12W R11W
S12 | S 7
S13 | S18
1960

Cor. falls about 50 lks. E. of wash.

Land, broken.
Soil, gravel and exposed limestone.
Timber, scattered juniper.
Undergrowth, shadscale and black brush.

North, bet. secs. 7 and 12.

Over mountainous desert land of Dugway Range, through scattered juniper; desc. 170 ft. over NW. slope.

- 9.80 Wash, 3 ft. deep, 30 lks. wide, drains NE.; desc. 80 ft. along irregular W. slope.
- 25.00 Wash, 2 ft. deep, 20 lks. wide, drains E.; asc. 260 ft. over ledgy S. slope.
- 35.70 Ridge, bears E. and W. irregularly; desc. 100 ft. over NE. slope into head of draw.
- 40.00 Point for the ¼ sec. cor. of secs. 7 and 12.
- 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.

T10S
R12W R11W
¼
S12 | S 7
1960

Desc. 50 ft. over NE. slope.

- 42.50 Wash in bottom of draw, drains N. 10° W.; desc. 320 ft. along irregular W. slope.
- 65.30 Wash in bottom of draw, drains N. irregularly; desc. 40 ft. along E. bank of draw.
- 78.50 Same wash, drains E.; asc. 40 ft. over ledgy S. slope.
- 80.00 Point for the cor. of secs. 1, 6, 7 and 12.

S. E. Bdy. T. 10 S., R. 12 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

T10S
 R12W R11W
 S 1 | S 6
 S12 | S 7
 1960

Land, broken.
 Soil, gravel, exposed limestone.
 Timber, scattered juniper.
 Undergrowth, shadscale and black brush.

North, bet. secs. 1 and 6.

Over mountainous desert land, through scattered juniper; asc. 230 ft. over ledgy S. slope.

4.70 Spur, slopes E.; desc. 120 ft. over NE. slope.

8.00 Draw, drains E.; asc. 80 ft. along broken E. slope.

22.60 Spur, slopes N. 70° E.; desc. 370 ft. over NW. slope.

37.30 Wash in bottom of draw, 3 ft. deep, 30 lks. wide, drains NE.; asc. 30 ft. over SE. slope.

40.00 Point for the ¼ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T10S
 R12W R11W
 ¼
 S 1 | S 6
 1960

Asc. 195 ft. over SE. slope.

48.60 Spur, slopes N. 60° E.; desc. 260 ft. over broken NW. slope.

57.70 Draw, drains N. 30° E., thence along broken E. slope.

67.00 Spur, slopes NE.; desc. 125 ft. over N. slope.

73.20 Wash in bottom of small canyon, drains N. 80° E., 1.50 chs. wide; asc. 120 ft. over broken SE. slope.

82.09 Intersect the S. bdy. of T. 9 S., R. 11 W.

Point for the closing cor. of T. 10 S., Rs. 11 and 12 W.

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

Survey, E. Bdy., T. 10 S., R. 12 W.

Chains

T9S R11W
 S31
 S 1 | S 6
 R12W R11W
 T10S
 C C
 1960

From this closing cor. the cor. of T. 9 S., Rs. 11 and 12 W. bears S. 89° 36' W., 7.38 chs. dist. monumented by an iron post, set, mkd. and witnessed as described in the concurrent resurvey of the S. bdy. of T. 9 S., R. 11 W.

Land, broken.
 Soil, gravel, exposed limestone.
 Timber, scattered juniper.
 Undergrowth, shadscale.

Survey of a Portion of the Subdivision of T. 10 S., R. 12 W.

From the standard cor. of secs. 35 and 36 on the S. bdy. of the Tp. mkd. by an iron post, .2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 01' W., bet. secs. 35 and 36.

Over rolling desert bench land on E. side of Fish Springs Flats, along W. slope.

- 8.00 Wash, 3 ft. deep, 30 lks. wide, drains W.; cont. along W. slope.
 21.90 Wash, 2 ft. deep, 20 lks. wide, drains W.; asc. 40 ft. over SW. slope.
 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., 20 ins. in the ground and in a collar of stone, with brass cap mkd.

T10S R12W
 $\frac{1}{4}$
 S35 | S36
 1960

Asc. 45 ft. over gentle SW. slope.

- 75.20 Small wash, drains S. 70° W.; asc. 10 ft. over SW. slope.
 80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T10S R12W
 S26 | S25
 S35 | S36
 1960

Land, rolling bench.
 Soil, gravelly clay.
 Timber, none.
 Undergrowth, shadscale.

Portion of Subd. T. 10 S. R. 12 W.

Chains

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp.
S. 89° 58' W., bet. secs. 25 and 36.

Over slightly broken bench land; desc. 70 ft. over gentle SW. slope.

28.90 Wash, 4 ft. deep, 40 lks. wide, drains SW.; desc. 10 ft. over SW. slope.

33.70 Wash, 3 ft. deep, 20 lks. wide, drains SW.; desc. 15 ft. over SW. slope.

39.97 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., 12 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T10S R12W

$\frac{1}{4}$ S25
S36

1960

Desc. 75 ft. over gentle SW. slope.

71.20 Small wash, drains SW.; desc. 20 ft. over SW. slope.

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

Land, slightly broken.

Soil, gravelly with rocky spots.

Timber, none.

Undergrowth, shadscale.

From the standard cor. of secs. 33 and 34 on the S. bdy. of the Tp. monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record:

N. 0° 02' W., bet. secs. 33 and 34.

Over gently rolling desert land of Fish Springs Flats, along gentle W. slope.

10.80 Wash, 2 ft. deep, 40 lks. wide, drains N. 70° W.

24.50 Wash, 4 ft. deep, 1 ch. wide, 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., 15 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T10S R12W

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

1960

Asc. 20 ft. along gentle W. slope.

76.30 Small wash, drains S. 40° W.

Survey, Portion of Subdivision, T. 10 S., R. 12 W.

Chains

- 80.00 Point for the cor. of secs. 27, 28, 33 and 34.
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.
- T10S R12W
S28|S27
S33|S34
1960
- Land, rolling.
Soil, clay with rocky spots.
Timber, none.
Undergrowth, shadscale.
-
- N. 0° 02' W., bet. secs. 27 and 28.
Over rolling desert bench land; asc. 10 ft. along gentle W. slope.
- 14.60 Wash, 2 ft. deep, 60 lks. wide, drains S. 70° W.; asc. 10 ft. along gentle W. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 27 and 28.
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.
- T10S R12W
¼
S28|S27
1960
- Asc. 35 ft. along gentle W. slope.
- 80.00 Point for the cor. of secs. 21, 22, 27 and 28.
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.
- T10S R12W
S21|S22
S28|S27
1960
- Land, rolling.
Soil, clay, gravel and rock.
Timber, none.
Undergrowth, shadscale.
-
- N. 0° 02' W., bet. secs. 21 and 22.
Over rolling desert bench land, along W. slope.
- 10.10 Wash, 4 ft. deep, 40 lks. wide, drains S. 80° W.; asc. 10 ft. along W. slope.
- 20.00 Top of rise, slopes W.; desc. along gentle W. slope.
- 21.20 Small wash, drains N. 70° W.; desc. 10 ft. along W. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 21 and 22.

Survey Portion of Subdivision T. 10 S. R. 12 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a mound of stone, 2½ ft. base, to top, with brass cap mkd.

T10S R12W

½
S21|S22
1960

Desc. 10 ft. along gentle W. slope.

53.90 Wash, 4 ft. deep, 1 ch. wide, drains W.; asc. 10 ft. along W. slope.

59.50 Wash, 2 ft. deep, 30 lks. wide, drains W. 1 ch., thence SW.; asc. 45 ft. over SW. slope.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T10S R12W

S16|S15
S21|S22
1960

Land, rolling.

Soil, clay with gravel and rocks.

Timber, none.

Undergrowth, shadscale.

N. 0° 02' W., bet. secs. 15 and 16.

Over slightly broken land, over SW. slope.

.20 Trail road, bears NW. and SE.; asc. 40 ft. over SW. slope. Start ascent of W. slopes of Dugway Range.

13.90 Wash, 3 ft. deep, 70 lks. wide, drains S. 75° W.; asc. 110 ft. over S. slope.

25.20 Top of rocky knoll on spur, about 3 chs. diam.; desc. 25 ft. on top of spur, which slopes S.

33.00 Leave top of spur; asc. 70 ft. along W. slope of spur.

40.00 Point for the ½ sec. cor. of secs. 15 and 16.

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.

T10S R12W

½
S16|S15
1960

Desc. 20 ft. along W. slope of spur.

51.60 Wash, 4 ft. deep, 50 lks. wide, drains S. 80° W.; cont. along irregular W. slope.

59.90 Small wash, drains S. 60° W.; asc. 100 ft. over SE. slope.

79.10 Small wash, drains S. 45° W., 2 chs. thence S. irregularly; asc. 10 ft. over S. slope.

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

Survey, Portion of Subdivision, T. 10 S., R. 12 W.

Chains

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.

T10S R12W

S 9 | S10

S16 | S15

1960

Land, broken mountain.
Soil, gravel, rocks and ledgy.
Timber, none.
Undergrowth, shadscale and sage.

N. 0° 02' W., bet. secs. 9 and 10.

Over mountainous desert land of Dugway Range; asc. 120 ft. over S. slope.

- 6.70 Spur, slopes S. 70° W.; desc. 40 ft. over NW. slope.
- 11.60 Wash, 2 ft. deep, 30 lks. wide, drains S. 65° W.; asc. 230 ft. over irregular S. slope.
- 24.70 Broken spur, slopes W.; desc. 120 ft. over irregular NW. slope.
- 29.60 Wash, 3 ft. deep, 30 lks. wide, drains SW.; asc. 100 ft. over SE. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 9 and 10.

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

T10S R12W

¼

S 9 | S10

1960

Asc. 80 ft. over SE. slope.

- 45.30 Rocky spur, slopes E.; desc. 50 ft. along E. slope.
- 49.00 Draw, drains SE.; asc. 320 ft. over irregular SE. slope.
- 64.00 Ridge, bears E. and W.; desc. 300 ft. over ledgy and irregular N. slope.
- 80.00 Point for the cor. of secs. 3, 4, 9 and 10.

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.

T10S R12W

S 4 | S 3

S 9 | S10

1960

from which

Survey Portion of Subdivision T. 10 S. R. 12 W.

Chains

An 18 in. juniper bears S. 60° E., 0.64 chs. dist., scribed T10S R12W S10 BT.

Cor. falls at base of steep N. slope.

Land, broken mountain.
Soil, gravel and exposed ledges.
Timber, very scattered juniper.
Undergrowth, shadscale and sage.

N. 0° 02' W., bet. secs. 3 and 4.

Over mountainous desert land, through widely scattered juniper; desc. N. slope in bottom of canyon.

- 1.30 Bulldozed road, bears E. and W., 4 chs., thence NW.
- 1.60 Wash in canyon bottom, 4 ft. deep, 40 lks. wide, drains W. 4 chs., thence NW.; asc. 40 ft. over S. slope.
- 4.90 Spur, slopes W.; desc. 60 ft. over NW. slope.
- 13.60 Drain, drains W.; asc. 140 ft. along rocky W. slope.
- 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. on solid rock, over a cross (X) and in a mound of stone, 5 ft. base, to top, with brass cap mkd.

T10S R12W
S 4 | S 3
1960

from which

A 20 in. juniper bears N. 35° E., 51 lks. dist., scribed 1/4 S3 BT.

Cor. falls on spur which slopes W.

Desc. 50 ft. over NW. slope.

- 44.50 Draw, drains W.; asc. 300 ft. over irregular S. slope.
- 60.00 Top of high peak; desc. 225 ft. over irregular N. slope.
- 82.76 Intersect the S. bdy. of T. 9 S., R. 12 W.

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

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

T9S R12W
S34
S 4 | S 3
C C
T10S
1960

Survey, Portion of Subdivision, T. 10 S., R. 12 W.

Chains

from which

An 8 in. juniper bears S. 38° E., 1.50 chs. dist. scribed T10S R12W CC S3 BT. This bearing tree is 5 lks. W. of a bulldozed mining road.

Cor. falls in small draw which drains N. 15° E.

From this closing cor. the cor. of secs. 33 and 34, T. 9 S., R. 12 W. bears N. 89° 51' W., 6.79 chs. dist., monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of the S. bdy. of T. 9 S., R. 12 W.

Land, broken.

Soil, gravel, rocks and exposed ledges.

Timber, very scattered juniper.

Undergrowth, shadscale and sage.

Point for the cor. of secs. 1 and 2, T. 10 S., R. 12 W. is on the S. bdy. of T. 9 S., R. 12 W. and is at a proportionate dist. bet. the closing cor. of T. 10 S., Rs. 11 and 12 W. and the closing cor. of secs. 3 and 4, T. 10 S., R. 12 W.

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

T9S

S 2	S 1
T10S R12W	
1960	

From this cor. the cor. of secs. 35 and 36, T. 9 S., R. 12 W. bears N. 89° 54' W., 7.30 chs. dist. monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent resurvey of the S. bdy. of T. 9 S., R. 12 W.

Point for the N. ¼ sec. cor. of secs. 2, T. 10 S., R. 12 W. is on the S. bdy. of T. 9 S., R. 12 W. and is midpoint bet. the cor. of secs. 1 and 2 and the cor. of secs. 2 and 3, T. 10 S., R. 12 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T9S

¼ S 2
T10S R12W
1960

From this cor. the S. ¼ sec. cor. of sec. 35, T. 9 S., R. 12 W. bears N. 89° 54' W., 7.26 chs. dist., monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent resurvey of the S. bdy. of T. 9 S., R. 12 W.

Portion of Subdivision T. 10 S., R. 12 W.

Chains

Point for the cor. of secs. 2 and 3, T. 10 S., R. 12 W. is on the S. bdy. of T. 9 S., R. 12 W. and is at proportionate dist. bet. the closing cor. of T. 10 S., Rs. 11 and 12 W. and the closing cor. of secs. 3 and 4, T. 10 S., R. 12 W..

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T9S

S 3 | S 2
T10S R12W
1960

From this cor. the cor. of secs. 34 and 35, T. 9 S., R. 12 W. bears S. 89° 57' W., 6.91 chs. dist., monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent resurvey of the S. bdy. of T. 9 S., R. 12 W.

From the cor. of secs. 1 and 2 on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 1 and 2.

Over broken mountainous land of Dugway Range; desc. 60 ft. over S. slope.

- 4.20 Wash, 2 ft. deep, 30 lks. wide, drains SW.; asc. 40 ft. over N. slope.
- 6.90 Spur, slopes E.; desc. 30 ft. along E. slope.
- 13.60 Wash, 4 ft. deep, 20 lks. wide, drains E.; asc. 35 ft. over N. slope.
- 17.25 Spur, slopes E.; desc. 60 ft. over SE. slope.
- 29.10 Wash, 2 ft. deep, 3 ft. wide, drains E.; asc. 60 ft. over NW. slope.
- 34.90 Spur, slopes W.; desc. 30 ft. along W. slope.
- 39.00 Wash, 2 ft. deep, 30 lks. wide, drains SW. from S.; asc. 10 ft. along E. slope above wash.
- 42.49 Point for the ½ sec. cor. of secs. 1 and 2.

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.

T10S R12W
½
S 2 | S 1
1960

Cor. falls on W. bank of wash.

Asc. 50 ft. along E. slope above wash.

- 50.00 Slope changes; asc. 180 ft. over N. slope on backbone of spur which slopes N.

Survey, Portion of Subdivision, T. 10 S., R. 12 W.

Chains

78.70 Leave top of spur; desc. 25 ft. over SE. slope.

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

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

T10S R12W

S 2 | S 1

S11 | S12

1960

Land, broken.

Soil, gravel and rock.

Timber, very scattered juniper.

Undergrowth, shadscale.

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 broken mountainous desert land of Dugway Range; asc. 30 ft. over gentle N. slope in bottom of Bullion Canyon.

10.00 Bulldozed road to mine claim, bears W. and S., also base of steep ascent; asc. 420 ft. over steep and ledgy NE. slope.

42.65 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., 6 ins. in the ground, to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T10S R12W

S 3 | S 2

1960

From this cor. U.S.M.M. No. 1 bears S. $20^{\circ} 09'$ W., 7.635 chs. dist., mkd. by a wooden post in mound of rock, and scribed with USMML.

Asc. 300 ft. over steep and ledgy N. slope.

50.00 Point, projects E., about 4 chs. to end; desc. 50 ft. over S. slope.

54.00 Draw, drains E.; asc. 60 ft. over N. slope.

56.50 Ledgy spur, slopes E.; asc. 80 ft. along E. slope.

66.00 Bulldozed road on top of spur which slopes E.; desc. 20 ft. along broken E. slope.

76.60 Base of spur, bears NW. and SE.; asc. 65 ft. over NE. slope of draw.

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

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

Survey, Portion of Subdivision, T. 10 S. R. 12 W.

Chains

T10S R12W
S 3 | S 2
S10 | S11
1960

Land, broken.
Soil, gravel with exposed ledges.
Timber, very scattered juniper.
Undergrowth, shadscale and sage.

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

S. 89° 55' W., bet. secs. 2 and 11.

Over broken mountainous desert land, through scattered juniper; asc. 25 ft. over SE. slope.

- 1.80 Spur, slopes NE.; asc. 30 ft. along N. slope.
- 14.00 Wash, 3 ft. deep, 20 lks. wide, drains N.; asc. 50 ft. over NE. slope.
- 19.00 Spur, slopes N.; desc. 20 ft. over NW. slope.
- 22.50 Small wash, drains NE.; asc. 140 ft. over irregular E. slope.
- 34.30 Spur, slopes N.; desc. 125 ft. over W. slope.
- 40.05 Point for the 1/4 sec. cor. of secs. 2 and 11.

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.

T10S R12W
1/4 S 2
S11
1960

Desc. 10 ft. over W. slope.

- 40.20 Wash, 2 ft. deep, 20 lks. wide, drains N.; asc. 60 ft. over NE. slope.
- 44.60 Spur, slopes N.; asc. 85 ft. along irregular N. slope.
- 56.50 Spur, slopes NE.; asc. 30 ft. along N. slope.
- 60.80 Spur, slopes N.; asc. 200 ft. over irregular NE. slope.
- 80.10 The cor. of secs. 2, 3, 10 and 11.

Land, broken mountain.
Soil, gravel and rocks.
Timber, scattered juniper.
Undergrowth, shadscale and black brush.

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

West, bet. secs. 16 and 21.

Over rolling bench land on E. side of Fish Springs Flats; desc. 70 ft. over gentle SW. slope.

Survey, Portion of Subdivision, T. 10 S., R. 12 W.

Chains

Over rolling bench land on E. side of Fish Springs Flats; desc. 70 ft. over gentle SW. slope.

33.40 Wash, 2 ft. deep, 20 lks. wide, drains S. 30° W.; desc. 20 ft. over gentle SW. 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., 16 ins. in the ground, to bedrock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T10S R12W

$\frac{1}{4}$ $\frac{S16}{S21}$
1960

Desc. 15 ft. over SW. slope.

48.00 Wash, 2 ft. deep, 40 lks. wide, drains S. 45° W. about 3.00 chs., thence S. 10° W.; desc. 45 ft. over SW. slope.

71.50 Wash, 2 ft. deep, 30 lks. wide, drains SW.; desc. 20 ft. over SW. slope.

79.00 Road, bears SW. and NE.

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., 20 ins. in the ground and in a collar of stone, with brass cap mkd.

T10S R12W

$\frac{S17}{S20}$ | $\frac{S16}{S21}$
1960

Land, rolling bench.

Soil, clay with gravel and rocky spots.

Timber, none.

Undergrowth, shadscale.

N. 0° 03' W., bet. secs. 16 and 17.

Over rolling bench land; asc. SW. slope.

4.00 Wash, 2 ft. deep, 20 lks. wide, drains S. 30° W.; asc. 30 ft. over SW. slope.

13.70 W. end of small spur, slopes SW.; asc. 20 ft. along W. slope.

25.30 Low spur, slopes N. 80° W.; desc. 30 ft. along W. slope.

31.60 Wash, 3 ft. deep, 40 lks. wide, drains NW.; desc. 10 ft. along Gentle W. slope.

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., 20 ins. in the ground and in a collar of stone, with brass cap mkd.

Portion of Subdivision, T. 10 S., R. 12 W.

Chains

T10S R12W

S17 | S16

1960

Asc. 5 ft. along gentle W. slope.

44.80 Small wash, drains N. 60° W.; asc. along gentle W. slope.

54.90 Road, bears N. 80° W. and S. 80° E.; asc. gentle W. slope.

58.00 Wash, 3 ft. deep, 30 lks. wide, drains W.; asc. 60 ft. along gentle W. slope.

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

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.

T10S R12W

S 8 | S 9

S17 | S16

1960

Land, rolling bench.

Soil, clay with gravel spots.

Timber, none.

Undergrowth, shadscale.

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

N. 89° 58' W., bet. secs. 9 and 16.

Over broken land on lower W. slopes of Dugway Range; desc. 55 ft. over SW. slope.

9.20 Wash, 2 ft. deep, 30 lks. wide, drains S. 10° W.; thence over bottom of small canyon.

13.50 Trail road, bears S. and N. to mining claim.

18.00 Small wash, drains S. 40° E.; asc. 245 ft. over rocky E. slope.

34.20 N. end of rocky hill, slopes N. 20° E.; desc. 205 ft. over rocky W. slope.

40.04 Point for the ¼ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T10S R12W

S 9

¼ S16

1960

Desc. 205 ft. over steep and rocky W. slope.

52.00 Base of hill, bears NE. and SW.; desc. 190 ft. over W. slope.

80.08 The cor. of secs. 8, 9, 16 and 17.

Survey, Portion of Subdivision, T. 10 S., R. 12 W.

Chains

Land, broken.
Soil, gravel and rock.
Timber, none.
Undergrowth, shadscale.

From the standard cor. of secs. 32 and 33 on the S. bdy. of the Tp. monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 32 and 33.

Over gently rolling desert land on Fish Springs Flats, draining NW.

1.50 Small wash, drains NW.

6.50 Wash, 3 ft. deep, 30 lks. wide, drains N. 60° W.; asc. 10 ft. over gentle NW. 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., 24 ins. in the ground, with brass cap mkd.

T10S R12W

$\frac{1}{2}$

S32 | S33

1960

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

Cont. over gentle NW. slope.

45.40 Small wash, drains NW.

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.

T10S R12W

S29 | S28

S32 | S33

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of Cor.

Land, gently rolling.

Soil, clay.

Timber, none.

Undergrowth, shadscale.

From the standard cor. of secs. 31 and 32 on the S. bdy. of the Tp. monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 31 and 32.

Portion of Subdivision T. 10 S. R. 12 W.

Chains

Over nearly level land of Fish Springs Flats, draining NW.

28.20 Road, bears NE. and SW.

34.00 Wash, 2 ft. deep, 30 lks. wide, drains NW.

40.00 Point for the 1/4 sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T10S R12W

1/4
S31 | S32
1960

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

69.50 Wash, 3 ft. deep, 30 lks. wide, drains NW.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T10S R12W

S30 | S29
S31 | S32
1960

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

Land, nearly level.
Soil, clay with some sand.
Timber, none.
Undergrowth, shadscale and greasewood.

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

West, bet. secs. 29 and 32.

Over nearly level desert land, draining NW.

19.50 Wash, 3 ft. deep, 30 lks. wide, drains NW.

39.98 Point for the 1/4 sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T10S R12W

S29
1/4 S32
1960

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

Desc. 10 ft. over gentle NW. slope.

Survey, Portion of Subdivision, T. 10 S., R. 12 W.

Chains

67.20

Road, bears NE. and SW.

79.96

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

Land, nearly level.

Soil, clay with some sand.

Timber, none.

Undergrowth, shadscale and greasewood.

General Description

The northeast portion of T. 10 S., R. 12 W. is covered by the Dugway Mountain Range and is very broken. The southwest portion consists of rolling bench land, and the nearly level bottom land of Fish Springs Flats.

The timber within the township consists of a medium growth of juniper on the higher elevations of the mountains. The undergrowth is mainly shadscale with some greasewood on the flats.

The main roads in the township are in the southwest portion along the base of the mountains. There are many branch roads leading to mining works in the mountains in the north portion of the township. None of these mines were active at the time of the survey.

The soil is clay on the flats, gravelly on the bench land, and rocky and ledgy in the mountains.

The elevation varies from about 4,300 feet above sea level on the flats, to 6,750 on the mountain tops.

No permanent water was noted during the survey.

CERTIFICATE OF CADASTRAL ENGINEER

We X, Craig P. Sylvester and Robert S. Kaiser, HEREBY CERTIFY upon honor that, in
 pursuance of special instructions bearing date of the 9th day of May, 1960,
 we X have surveyed the east boundary and a portion of the subdivision of T. 10 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~~ 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 14, 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 2 1962, 19

The foregoing field notes of the survey of the east boundary and a portion of the
subdivision of T. 10 S., R. 12 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.

Ed Remington
Ed Remington
~~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 SUBDIVISION

OF

TOWNSHIP 11 SOUTH, RANGE 11 WEST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Donald A. Cannon, Cadastral Surveyor

Under the supervision of Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated August 15, 1936, which provided
Supplemental special instructions May 11 1959

for the surveys included under Group No. 277, approved May 12, 1959

and assignment instructions dated April 28, 1960

Survey commenced May 4, 1960

Survey completed May 16, 1960

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Township 11 South, Range 11 West

Chains

The north boundary (the Second Standard Parallel South) was surveyed by Joseph Gorkinski in 1875, and independently resurveyed by Elliot Bird in 1948. The east boundary was surveyed by Sidney D. Reese in 1936. The south and west boundaries were surveyed by Elliot Bird in 1948.

The following field notes are those of the survey of a portion of the subdivision of T. 11 S., R. 11 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. & L. E. Gurley Solar Transit No. 541331 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 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are 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 $39^{\circ} 48' 48.25''$ N. and longitude $113^{\circ} 01' 24.6''$ 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 $16^{\circ} 30'$ East.

Survey of a Portion of the Subdivision of T. 11 S., R. 11 W.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp. monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

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

Over rolling land, through thinly scattered scrub juniper and sparse undergrowth.

Portion of Subdivis... T. 11 S., R. 11 W.

CHAINS

- Asc. 20 ft. over rolling SE. slope.
- 7.40 Spur, slopes S. 30° E. about 5 chs. to end; desc. 30 ft. over NE. slope.
- 11.30 Wash, 10 lks. wide, 1½ ft. deep, drains SE.; asc. 50 ft. over S. slope.
- 20.90 Spur, slopes E. about 3 chs.; thence S. 30° E.; asc. 30 ft. along E. slope.
- 27.00 Spur, slopes N. 70° E.; desc. 50 ft. over NE. slope.
- 34.20 Wash, 5 lks. wide, 1 ft. deep, drains S. 60° E.; asc. 40 ft. over SW. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 35 and 36.
- Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T11S R11W

¼
S35 S36
1960

No other suitable accessories available.

- Asc. 10 ft. over SW. slope.
- 41.20 Spur, slopes S. 60° E.; desc. 40 ft. along E. slope.
- 48.60 Wash, 5 lks. wide, 1 ft. deep, drains S. 30° E.; asc. 20 ft. along bottom of swale draining irregularly S.
- 66.10 E. edge of swale, bears N. 70° W. and SE.; asc. 70 ft. over S. slope.
- 70.30 Ridge, bears NE. and SW.; desc. 70 ft. over broken 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., 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T11S R11W

S26 S25
S35 S36
1960

No other suitable accessories available.

Land, rolling.
Soil, sandy clay with exposed shale and granite.
Undergrowth, thinly scattered rabbit brush and shadscale.
Timber, thinly scattered scrub juniper.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp. monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

S. 89° 57' W., bet. secs. 25 and 36.

Over nearly level land, through a fair growth of underbrush.

- 36.60 Road, unimproved, bears NW. and SE.

Survey Portion of T11S R11W.

Chains	
40.04	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.
	T11S R11W $\frac{1}{4}$ S25 S36 1960
	Deposit broken glass at base of iron post. No other suitable accessories available.
	Cont. over nearly level land.
68.50	Base of abrupt ascent, bears NW. and S.; asc. 50 ft. over E. slope.
78.00	Spur, projects N. 30° E. about 1 ch. to end; cont. along N. slope.
80.08	The cor. of secs. 25, 26, 35 and 36. Land, nearly level land in the E. 70 chs.; ascending steep E. slope in the W. 10 chs. Soil, clay on the flat and shallow rocky clay on the slopes. Timber, none. Undergrowth, a fair growth of salt brush.
	From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record. N. 0° 02' W., bet. secs. 33 and 34. Over mountainous land, through scattered scrub juniper; asc. 100 ft. over rolling S. slope.
7.30	Spur, slopes SE.; desc. 60 ft. along steep E. slope.
15.20	Ravine, 30 lks. wide, drains sharply S. 80° E.; asc. 120 ft. over steep S. slope.
20.50	Spur, slopes sharply E.; desc. 230 ft. along E. 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., 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.
	T11S R11W $\frac{1}{4}$ S33 S34 1960
	No other suitable accessories available. Desc. 30 ft. along rolling E. slope.
49.80	Small wash, drains E.; asc. 90 ft. along rolling E. slope.
57.90	Spur, slopes E.; desc. 60 ft. along series of low spurs and minor drains putting E.
76.00	Wash, 30 lks. wide, 2 ft. deep, drains S. 60° E.; asc. 30 ft. over S. slope.

Portion of the T11S R11W

Chains 80.00	<p>Point for the 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, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T11S R11W S28 S27 S33 S34 1960</p> <p>No other suitable accessories available.</p> <p>Land, rolling mountains. Soil, shallow, rocky clay. Timber, scattered scrub juniper.</p>
	<p>N. 0° 02' W., bet. secs. 27 and 28.</p> <p>Over mountainous land, through scattered scrub juniper; asc. abruptly 550 ft. over S. slope.</p>
28.10	Spur, slopes SE.; asc. 10 ft. along E. slope.
35.20	Ridge, bears N. 20° E. and S. 20° W.; desc. 10 ft. along W. slope.
40.00	<p>Point for the ½ sec. cor. of secs. 27 and 28.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 4½ ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T11S R11W ½ S28 S27 1960</p> <p>No other suitable accessories available.</p> <p>Asc. 40 ft. along W. slope.</p>
46.60	Top of ascent, slopes W.; desc. 10 ft. along W. slope.
50.90	Ridge bears irregularly NW. and SE.; desc. about 780 ft. over ledges and steep E. slope; by triangulation.
78.00	Small spur, projects E.; desc. 20 ft. along E. slope; end triangulation.
80.00	<p>Point for the cor. of secs. 21, 22, 27 and 28.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T11S R11W S21 S22 S28 S27 1960</p> <p>Land, mountainous. Soil, shallow, rocky clay. Timber, thinly scattered scrub juniper.</p>
	<p>N. 0° 02' W., bet. secs. 21 and 22.</p>

Portion of the Subdivision, T.11 S. R.11 W.

Chains

Over mountainous land, through thinly scattered scrub juniper; desc. 270 ft. over small spurs and minor drains running E.

26.60 Wash, 10 lks. wide, 2 ft. deep, drains irregularly E.; asc. 60 ft. along rolling E. 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., 4 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap mkd.

T11S R11W

S21|S22

1960

No other suitable accessories available.

Asc. 10 ft. along E. slope.

41.80 Spur, slopes E.; desc. 120 ft. over rolling E. slope.

57.30 Wash, 50 lks. wide, 4 ft. deep, drains S. 60° E.; asc. 20 ft. over S. slope.

59.20 Graded road, Fish Springs to Simpson Springs, bears N. 60° W. and S. 60° E.; asc. 350 ft. over steeply rolling 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., 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T11S R11W

S16|S15

S21|S22

1960

No other suitable accessories available.

Land, mountainous.

Soil, shallow, rocky clay.

Timber, thinly scattered scrub juniper.

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

Over mountainous land, through thinly scattered scrub juniper; asc. 300 ft. over steep S. slope.

8.30 Top of west edge of rock pinnacle, on the W. end of a hogsback, on a ridge bearing E. and W.; desc. 460 ft. over N. slope; by triangulation.

26.50 Approximate position of wash, in bottom of gulch, about 10 lks. wide, heads about 5 chs. NW., drains S. 70° E.; asc. about 200 ft. over S. slope.

38.90 Spur, slopes N. 30° W.; desc. 10 ft. over NE. slope; end of triangulation.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

T. 11 S. 11 W.

Chains

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

T11S R11W

S16	S15
1960	

No other suitable accessories available.

Desc. 110 ft. over rolling W. slope.

51.80 Wash, 10 lks. wide, 1½ ft. deep, drains S. 30° W.; asc. 130 ft. over S. slope.

67.15 Spur, slopes SW.; desc. 50 ft. over NW. slope.

71.50 Wash, 20 lks. wide, 3 ft. deep, drains SW.; asc. 120 ft. over S. slope.

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

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T11S R11W

S 9	S10
S16	S15
1960	

No other suitable accessories available.

Land, mountainous.

Soil, shallow, rocky clay.

Timber, thinly scattered scrub juniper.

N. 0° 02' W., bet. secs. 9 and 10.

Over mountainous land, through thinly scattered scrub juniper; asc. 20 ft. over S. slope.

1.20 Ridge, bears N. 80° W. and S. 80° E.; asc. 30 ft. along steep E. slope.

23.00 Spur, slopes E.; desc. rolling E. slope.

32.00 Spur, slopes N. 60° E.; desc. abruptly 280 ft. over N. slope.

40.00 Point for the cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T11S R11W

S 9	S10
1960	

No other suitable accessories available.

Thence by triangulation.

Desc. about 80 ft. over N. slope.

To 11-S., R. 11 W.

- Chains
- 46.20 Approximate position of wash, 20 lks. wide, 1-ft. deep, drains irregularly E.; asc. about 60 ft. over S. slope.
- 50.00 Approximate position of small spur, slopes S. 70° E. about 2 chs. to end; desc. about 10 ft. over NE. slope.
- 59.00 Approximate position of small wash, drains SE, about 4 chs. to junction with wash from the W.; asc. about 250 ft. over broken S. slope.
- 63.40 Spur, slopes NE.; end of triangulation.
Desc. 180 ft. over broken N. slope.
- 77.10 Wash, 10 lks. wide, 2 ft. deep, heads about 10 chs. W.; drains E.; asc. 30 ft. along rolling E. slope.
- 80.00 Point for the cor. of secs. 3, 4, 9 and 10.
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.
- T11S R11W
S 4 | S 3
S 9 | S 10
1960
- No other suitable accessories available.
- Land, mountainous.
Soil, rocky clay.
Timber, thinly scattered scrub juniper.
-
- N. 0° 02' W., bet. secs. 3 and 4.
Over mountainous land, through thinly scattered scrub juniper.
Using the cor. of secs. 3, 4, 9 and 10 as a triangulation point, cont. by triangulation.
Asc. about 550 ft. over abrupt S. slope.
- 26.00 Approximate position of ridge, NE. and SW.; asc. 30 ft. over SW. slope.
- 31.50 On same ridge at bend, bears N. 10° E. and S. 20° E.
- 31.98 Triangulation point, thence by chaining; asc. 40 ft. along W. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 3 and 4.
Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
- T11S R11W
S 4 | S 3
1960
- No other suitable accessories available.
- 40.20 Top of ascent, slopes W.; desc. 100 ft. along W. slope.
- 46.40 Spur, projects N. 70° W.; desc. 190 ft. over N. slope.
- 66.20 Wash, 30 lks. wide, 5 ft. deep, drains N. 30° W.; asc. 60 ft. over S. slope.

Survey, Portion of Subdivision, T. 11 S., R. 11 W.

Chains

- 72.60 Spur, projects N. 30° W.; desc. 80 ft. over NE. slope.
- 77.40 Wash, 10 lks. wide, 2 ft. deep, drains NW.; asc. 10 ft. over SW. slope.
- 80.00 Point for the 1/16 sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

T11S R11W
 1/16
 S. 4 | S. 3
 80

1960

No other suitable accessories available.

Asc. 30 ft. over SW. slope.

- 82.80 Spur, slopes N. 60° W.; desc. 50 ft. over NE. slope.
- 87.00 Small wash, drains W.; asc. 80 ft. over S. slope.
- 92.40 Spur, slopes W.; desc. 100 ft. over N. slope.
- 97.00 Wash, 40 lks. wide, 20 ft. deep, drains W.; asc. 140 ft. over S. slope.
- 104.32 Intersect the Second Standard Parallel South; 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 to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T10S R11W
 S34
 S. 4 | S. 3
 C C

T11S R11W
1960

From this cor. the standard cor. of secs. 33 and 34, T. 10 S., R. 11 W., bears W. 3.57 chs. dist.; mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

No other suitable accessories available.

Land, mountainous, shallow, rocky clay.
Timber, thinly scattered scrub juniper.

Point for the cor. of secs. 1 and 2, T. 11 S., R. 11 W. is on the Second Standard Parallel South, and at a proportionate dist. bet. the closing cor. of T. 11 S., Rs. 10 and 11 W. and the closing cor. of secs. 3 and 4, T. 11 S., R. 11 W.

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

T10S R11W
 S36
 S 2 | S 1

T11S R11W
1960

Portion of Subdivision T. 11 S., R. 11 W.

Chains

From this cor., the standard cor. of secs. 35 and 36, T. 10 S., R. 11 W., bears W., 3.80 chs. dist., mkd. by an iron post, 2 ins. diam., set mkd. and witnessed as described in the official record.

No other suitable accessories available.

Point for the cor. of secs. 2 and 3, T. 11 S., R. 11 W. is on the Second Standard Parallel South, and is at a proportionate dist. bet. the closing cor. of T. 11 S., Rs. 10 and 11 W. and the closing cor. of secs. 3 and 4, T. 11 S., R. 11 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T10S R11W

S35

S 3 | S 2

T11S R11W

1960

From this cor. the standard cor. of secs. 34 and 35, T. 10 S., R. 11 W. bears W. 3.68 chs. dist., mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

From the cor. of secs. 1 and 2.

S. 0° 01' E., bet. secs. 1 and 2.

Over gently rolling land, through thinly scattered undergrowth.

24.05 Point for the 1/16 sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T11S R11W

1/16

S 2 | S 1

80

1960

No other suitable accessories available.

Cont. over gently rolling land.

34.80 Wash, drains N. 80° E.

54.05 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.

T11S R11W

¼

S 2 | S 1

1960

Deposit broken glass at base of iron post.

No other suitable accessories available.

Cont. over gently rolling land.

Portion of Section 11, Township 35 N., Range 11 W.

Chains

- 66.50 Bladed road, to Rainbow Mines, bears N. 10° W. and S. 10° E.
- 80.00 Wash, 20 lks. wide, 4 ft. deep, drains N. 70° E. from S. 80° W.
- 84.20 Base of round top knoll, bears NW. and SE.; asc. 110 ft. over NE. slope of knoll.
- 92.90 Top of ascent on knoll, about 2 chs. E. of top, slopes E.; desc. 80 ft. over SE. slope.
- 99.30 Base of knoll, bears N. 60° E. and W.; desc. 10 ft. over slight SE. slope.
- 104.05 Point for the cor. of secs. 1, 2, 11 and 12, at a position 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.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, and in a small mound of stone, with brass cap mkd.

T11S R11W

S 2	S 1
S 11	S 12

1960

No other suitable accessories available.

Land, gently rolling.

Soil, clay.

Timber, none.

S. 89° 54' W., bet. secs. 2 and 11, on a line calculated bet. the cor. of secs. 3, 4, 9 and 10, and the cor. of secs. 1, 6, 7 and 12 on the E. bdy.

Over gently rolling land, through thinly scattered undergrowth.

Asc. 70 ft. over gently rolling E. slope.

- 31.00 Wash, 30 lks. wide, 2 ft. deep, drains S. 60° E.; asc. 20 ft. over gentle E. 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 to bedrock, and in a mound of stone, 2 ft. base, to top, with brass cap mkd.

T11S R11W

S 2
¼ S 11

1960

Asc. 50 ft. over E. slope.

- 45.10 E. edge of bench, bears N. and S.; asc. 120 ft. on top of bench on E. slope.

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

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

Survey Portion of the Subdivision, T. 11 S., R. 11 W.

Chains

	<p>T11S R11W S 3 S 2 S10 S11 1960</p> <p>No other suitable accessories available.</p> <p>Land, rolling. Soil, rocky clay. Timber, none.</p>
	<p>N. 0° 04' W., bet. secs. 2 and 3.</p> <p>Over rolling land, through thinly scattered scrub juniper; asc. 60 ft. over E. slope.</p>
6.10	Small spur, slopes S. 30° E. about 3 chs. to end; desc. 40 ft. over NE. slope.
15.50	Wash, 30 lks. wide, 2 ft. deep, drains SE.; asc. 20 ft. over SE. slope.
20.90	Wash, 6 lks. wide, 6 ins. deep, drains SE.; asc. 60 ft. over SW. slope.
28.70	Spur, slopes SE.; desc. 40 ft. along rolling E. slope.
32.00	Wash, 20 lks. wide, 10 ft. deep, drains SE.; asc. 70 ft. along rolling E. slope.
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., 10 ins. in the ground to bedrock, and in a mound of stone, 2 ft. base, to top, with brass cap mkd.
	<p>T11S R11W $\frac{1}{4}$ S 3 S 2 1960</p> <p>Asc. 60 ft. over SE. slope.</p>
57.80	Spur, slopes S. 60° E.; asc. 110 ft. along broken E. slope.
80.00	Point for the $\frac{1}{16}$ sec. cor. of secs. 2 and 3. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, $4\frac{1}{2}$ ft. base, to top, with brass cap mkd.
	<p>T11S R11W $\frac{1}{16}$ S 3 S 2 80 1960</p> <p>Asc. 40 ft. over S. slope.</p>
81.80	Spur, slopes S. 80° E.; desc. 60 ft. over N. slope.
91.90	Small wash, drains S. 70° E.; asc. 80 ft. over S. slope.
104.19	The cor. of secs. 2 and 3. Land, mountainous. Soil, shallow, rocky clay. Timber, thinly scattered scrub juniper.

Survey Portion T. 11 S., R. 11 W.

Chains

Point for the N. 1/2 sec. cor. of sec. 2, T. 11 S., R. 11 W. is on the Second Standard Parallel South and at midpoint bet. the cor. of secs. 1 and 2 and the cor. of secs. 2 and 3, T. 11 S., R. 11 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 16 ins. in the ground, and in a small mound of stone, with brass cap mkd.

1/2 S 2
T11S R11W
1960

From this cor. the standard 1/2 sec. cor. of sec. 35, T. 10 S., R. 11 W. bears W. 3.74 chs. dist., mkd. by an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

No other suitable accessories available.

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

S. 89° 59' W., bet. secs. 16 and 21.

Through thinly scattered scrub juniper, over mountainous land; asc. 40 ft. along steeply rolling S. slope.

13.40 Spur, slopes S. 10° W.; desc. 50 ft. along S. slope.

17.30 Ridge, bears N. 30° E. and S. 30° W.; desc. 190 ft. over rolling W. slope.

40.00 Point for the 1/2 sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, and in a small mound of stone, with brass cap mkd.

T11S R11W
1/2 S16
S21
1960

No other suitable accessories available.

Desc. 100 ft. over rolling land on W. 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., 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T11S R11W
S17|S16
S20|S21
1960

No other suitable accessories available.

Land, mountainous in the E.; descending to rolling in the W. Soil, shallow, rocky clay. Timber, thinly scattered scrub juniper.

Portion of Subdivision, T. 11 S., R. 11 W.

Chains

N. 0° 03' W., bet. secs. 16 and 17.

Through thinly scattered scrub juniper, over rolling land; desc. 40 ft. over N. slope.

5.60 Wash, 20 lks. wide, 3 ft. deep, drains irregularly W.; asc. 100 ft. over S. slope.

15.90 Spur, slopes irregularly W.; desc. 90 ft. over small spurs and washes running W.

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

T11S R11W

 $\frac{1}{4}$
S17|S16

1960

No other suitable accessories available.

Desc. 20 ft. along W. slope.

45.40 Wash, 30 lks. wide, 4 ft. deep, drains S. 60° W.; asc. 150 ft. over S. slope.

53.40 Spur, slopes sharply SW.; asc. 170 ft. along W. slope.

70.40 Spur, slopes S. 80° W.; desc. 40 ft. over NW. slope.

79.10 Wash, 20 lks. wide, $1\frac{1}{2}$ ft. deep, drains S. 30° W.; asc. 10 ft. along wash.

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., 20 ins. in the ground, and in a small mound of stone, with brass cap mkd.

T11S R11W

 $\frac{1}{4}$
S 8|S 9

S17|S16

1960

No suitable accessories available.

Land, rolling in the S. half mile; mountainous in the N. half mile.

Soil, shallow rocky clay.

Timber, thinly scattered scrub juniper.

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

S. 89° 57' W., bet. secs. 9 and 16.

Over mountainous land, through thinly scattered scrub juniper; asc. 40 ft. along S. slope.

4.00 Top of ascent, slopes S.; desc. 140 ft. along rolling S. slope.

27.10 Wash, 20 lks. wide, $1\frac{1}{2}$ ft. deep, drains S. 20° E.; asc. 90 ft. along rolling S. slope.

36.50 Spur, slopes S.; desc. 40 ft. along S. slope.

40.04 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Survey, Portion of Subdivision, T. 11 S., R. 11 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

T11S R11W

 $\frac{1}{4}$ S 9
S16

1960

Asc. 60 ft. over series of small drains and washes running S.

- 50.70 Spur, slopes S.; desc. 50 ft. along rolling S. slope.
- 54.30 Spur, projects SW. about 2 chs. to end; desc. 150 ft. over abrupt W. slope.
- 59.70 Wash, at head, drains S. 20° W.; asc. 50 ft. along broken S. slope.
- 73.10 Spur, slopes SW.; desc. 140 ft. over W. slope.
- 79.90 Wash, 20 lks. wide, 1½ ft. deep, drains S.
- 80.08 The cor. of secs. 8, 9, 16 and 17.
- Land, mountainous.
Soil, shallow, rocky clay.
Timber, thinly scattered scrub juniper.
- From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp. mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.
- N. 0° 03' W., bet. secs. 32 and 33.
- Over mountainous land, through scattered scrub juniper; desc. 30 ft. along E. slope.
- 3.30 Spur, projects NE.; desc. 100 ft. over steep N. slope.
- 9.20 Wash, in bottom of gulch, 10 lks. wide, drains irregularly N.; desc. 60 ft. along bottom of gulch recrossing several times.
- 18.00 Leave wash in bottom of gulch, drains W.; asc. 40 ft. over SW. slope.
- 23.30 Spur, projects W. about 4 chs. to end; desc. 180 ft. along broken W. slope.
- 39.30 Wash, 10 lks. wide, 6 ins. deep, drains W.; asc. 20 ft. over S. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

T11S R11W

 $\frac{1}{4}$ S32 | S33

1960

No other suitable accessories available.

Asc. 170 ft. over S. slope.

- 48.20 Spur, projects W.; desc. 10 ft. over small spurs and washes running W.
- 63.40 Spur, slopes SW.; desc. 20 ft. along W. slope.

Portion of Subdivision, T. 11 S., R. 11 W.

Chains

67.20 Spur, slopes N. 20° W.; desc. 80 ft. along E. slope.

79.90 Recross spur, projects N. 20° E.

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

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

T11S R11W

S29|S28

S32|S33

1960

No other suitable accessories available.

Land, mountainous.

Soil, shallow, rocky clay.

Timber, scattered scrub juniper.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy., mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 31 and 32.

Over mountainous land, through scattered scrub juniper; asc. 90 ft. along ledgy W. slope.

9.80 Spur, projects NW. about 3 chs. to end; desc. about 290 ft. over ledgy N. slope, by triangulation

18.50 Approximate position of wash, at head, drains NW.; asc. about 90 ft. along W. slope.

36.20 Spur, slopes NW.; desc. 50 ft. over N. slope; end of triangulation.

40.00 Point for the ½ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 2½ ft. base, to top, with brass cap mkd.

T11S R11W

½

S31|S32

1960

No other suitable accessories available.

Desc. 40 ft. along rolling and broken W. slope.

59.20 High rocky spur, slopes sharply N. 30° W.; desc. abruptly 420 ft. over ledgy NE. slope.

77.40 Recross spur, slopes N. 20° E.; desc. 60 ft. over N. slope.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, and in a mound of stone, 2 ft. base, to top, with brass cap mkd.

Portland, Oregon, T11S, R11W, S. 29, 32, 31, 33.

Chains

T11S, R11W S. 29, 32, 31, 33
S30 | S29
S31 | S32
1960

No other suitable accessories available.

Land, mountainous.

Soil, shallow, rocky clay.

Timber, scattered scrub juniper.

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

N. 89° 54' W., bet. secs. 29 and 32.

Over mountainous land, through scattered scrub juniper; desc. 20 ft. along N. slope.

6.10 E. rim of gulch, bears N. and S.; desc. 210 ft. over ledgy W. slope.

20.80 Wash, in bottom of gulch, 30 lks. wide, 1 ft. deep, drains N.; asc. abruptly 150 ft. over E. slope.

28.00 Spur, slopes N. 10° E.; desc. 130 ft. over W. slope.

33.50 Wash, 40 lks. wide, 30 ft. deep, drains N.; asc. 210 ft. over ledgy E. slope.

40.07 Point for the 1/4 sec. cor. of secs. 29 and 32.

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

T11S R11W
1/4 S29
S32
1960

Asc. 80 ft. abruptly over E. slope.

43.50 High rocky spur, projects N. 10° W.; desc. 340 ft. over steep W. slope.

56.60 Wash, 30 lks. wide, 10 ft. deep, drains N. 20° W.; asc. 150 ft. over E. slope.

66.80 Spur, projects N. about 3 chs.; thence N. 30° E.; asc. 80 ft. along rolling N. slope.

75.90 Spur, slopes N.; desc. 30 ft. along rolling N. slope.

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

Land, mountainous.

Soil, shallow, rocky clay.

Timber, scattered scrub juniper.

Township 11 South, Range 11 West

Chains

General Description

The township is located about 18 miles east of Fish Springs Wild Life Refuge, which is located in central western Utah.

The Dugway Mountains range north and south through the central portion of the township. The drainage in the east portion drains E., beginning in the mountains and descending to the clay flats along Pismire Wash. The drainage in the west half drains west, beginning at the tops of the mountains and descending to gently rolling land, on the west boundary. The elevation above mean sea level varies from around 4,600 feet along the east boundary rising to 6,300 on the highest peaks in the Dugway Mountains, then descending to around 5,000 feet on the west boundary.

The vegetation in the township consists of a poor growth of native grasses and a medium growth of scrub juniper in the higher elevations of the mountains. The only water found was at the Dugway Topaz Well, which is located near the Simpson Springs-Fish Springs Road in section 12.

The Simpson Springs-Fish Springs Road enters on the east boundary of section 1, bearing southwesterly to Dugway Pass, thence in a west northwest direction to leave on the west boundary of section 7. The Rainbow Mine Road, leaves the Simpson Springs-Fish Springs Road about one half mile west of the Dugway Topaz Well and bears northerly to leave on the north boundary of section 2. An unimproved road bears southerly from the Dugway Topaz Well leaving on the east boundary of section 13. Another unimproved road leaves the Simpson Springs-Fish Springs Road about one and one half miles east of Dugway Pass, bearing southeasterly to leave on the south boundary of section 36, near the township corner. A stock road leaves the Simpson Springs-Fish Springs Road about two miles west of Dugway Pass, bearing northerly to leave on the north boundary of section 5.

There were no settlers or settlements in the township at the time of survey, and settlement of the country would be impracticable due to the lack of water. Considerable prospecting has been done, but no mining activity is being carried on at present.

Chains

SECRET

1. [Illegible]

[Illegible text]

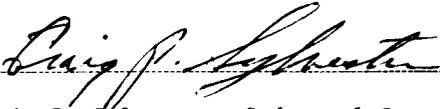
CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15th day of August, 1936 and supplemental special instructions dated 11th May 1959 I have ~~surveyed~~ supervised the survey of a portion of the subdivision of T. 11 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
January 16, 1961


Craig P. Sylvester, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., APR 17 1962, 19

The foregoing field notes of the survey of a portion of the subdivision of T. 11 S.,
R. 11 W., Salt Lake Meridian, Utah

executed by Donald A. Cannon, Cadastral Surveyor under the supervision of Craig P. Sylvester, Cadastral Surveyor, Chief of Party having been critically examined and found correct, are hereby approved.


Cadastral Engineering Staff Officer
Chief, Division of Engineering

I CERTIFY that the foregoing transcript of the field notes of the above described surveys in _____, is a correct 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 11 SOUTH, RANGE 12 WEST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Virgil E. Spratt, Cadastral Surveyor

Under the supervision of Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated August 15, 1936, which provided
Supplemental special instructions May 11, 1959
for the surveys included under Group No. 277, approved May 12, 1959
and assignment instructions dated April 28, 1960

Survey commenced May 13, 1960

Survey completed May 25, 1960

INDEX DIAGRAM

Township 11 SOUTH, Range 12 WEST

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20	22	23	6 27 5	26	25
	17			4	2
31	16 29	16 28	4 24	3 25	1 26

Township 11 South, Range 12 West, 1882.

Chains

The north boundary (the Second Standard Parallel South) was surveyed by Joseph Gorkinski in 1875, and independently resurveyed by Elliot Bird in 1948. The west boundary was surveyed by Ferdinand Dickert, in 1882, and independently resurveyed by Elliot Bird in 1948. The south and east boundaries were surveyed by Elliot Bird in 1948.

The following field notes are those of a survey of a portion of the subdivision of T. 11 S., R. 12 W., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with a W. & L. E. Gurley transit No. 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 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are 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 $39^{\circ} 48' 48.16''$ N. and longitude $113^{\circ} 08' 08.48''$ 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 $16^{\circ} 30'$ E.

Survey of a Portion of the Subdivision of T. 11 S., R. 12 W.

Beginning at the true point for the cor. of secs. 1, 2, 35 and 36, from which its witness cor. bears E. 3.42 chs. dist., mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

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

Over mountainous desert land, covered with scattered scrub juniper; desc. 220 ft. over broken NW. slope.

Survey: Portion of Subdivisiⁿ. T. 11 S., R. 12 W.

Chains

20.90 Draw, drains W.; asc. 170 ft. over SW, slope.

28.50 Top of ascent on W. slope of spur; desc. 165 ft. along W. slope of spur.

40.00 Point for the 1/2 sec. cor. of secs. 35 and 36.

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

T11S R12W

1/2

S35 | S36
1960

Desc. 250 ft. along W. slope of spur.

62.00 Wash, 3 ft. deep, 1 ch. wide, drains N. 40° E.; asc. 85 ft. over SE. slope.

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

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

T11S R12W

S26 | S25
S35 | S36
1960

Land, broken mountain.
Soil, rocky gravel and exposed ledges.
Timber, scattered juniper, black brush undergrowth.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy., mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 89° 57' W., bet. secs. 25 and 36.

Over mountainous desert land, covered with scattered scrub juniper; desc. N. slope.

.90 Wash, 3 ft. deep, 50 lks. wide, drains N.; asc. 200 ft. over E. slope

10.00 Spur, slopes N.; desc. 200 ft. over W. slope.

18.50 Wash, 3 ft. deep, 70 lks. wide, drains N. irregularly; asc. 140 ft. over broken E. slope.

31.10 Spur, slopes N.; desc. 115 ft. over broken W. slope.

40.00 Point for the 1/2 sec. cor. of secs. 25 and 36.

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

T11S R12W

S25 | S36
1960

Desc. 75 ft. over broken W. slope.

44.00 Base of steep W. slope, bears NE. and S.; desc. 30 ft. over gentle W. slope.

Survey, Portion of Subdivision, T. 11 S., R. 12 W.

Chains	
52.00	Wash, drains N. and W.; asc. 80 ft. over E. slope.
59.80	Low spur, slopes N.; desc. 30 ft. over W. slope.
68.30	Same wash, drains NE.; asc. 120 ft. over E. slope.
80.00	The cor. of secs. 25, 26, 35 and 36. Land, broken mountain. Soil, rocky gravel, exposed ledges. Timber, scattered juniper with black brush undergrowth.
	From the cor. of secs. 2, 3, 34 and 35, on the S. bdy., mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record. N. 0° 01' W., bet. secs. 34 and 35. Over mountainous desert land, covered with scrub juniper and black brush; desc. along W. slope.
6.50	Small wash, drains W.; desc. 10 ft. along W. slope.
9.40	Small wash, drains W.; asc. 10 ft. along W. slope.
11.80	Low spur, slopes W.; asc. 15 ft. along W. slope.
25.30	Spur, slopes W.; top of ascent along W. slope; desc. 185 ft. over broken NW. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 34 and 35. 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. T11S R12W $\frac{1}{2}$ S34 S35 1960
	Desc. 80 ft. over NW. slope.
68.07	Spur, slopes NW.; desc. 70 ft. over NE. slope.
73.60	Wash, 4 ft. deep, 90 lks. wide, drains NW.; asc. 15 ft. over W. slope.
80.00	Point for the cor. of secs. 26, 27, 34 and 35. 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. T11S R12W S27 S26 S34 S35 1960
	Land, broken mountain. Soil, rocky gravel and ledgy. Timber, scattered scrub juniper, black brush undergrowth.

Survey, Portion of T. 11 S. R. 12 W.

Chains	
	From the cor. of secs. 25, 26, 35 and 35. N. 89° 50' W., bet. secs. 26 and 35. Over mountainous desert land of Thomas Range; covered with scrub juniper and black brush; asc. 260 ft. over broken E. slope.
11.60	Top of ridge, bears N. and S. irregularly; desc. 330 ft. over broken and ledgy NW. slope; by triangulation with topography, scaled from U. S. G. S. quadrangle sheets.
29.00	Draw, drains N.; asc. 60 ft. over NE. slope.
34.50	Spur, slopes N.; desc. about 120 ft. over broken W. slope.
39.76	Point for the 1/4 sec. cor. of secs. 26 and 35. Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground and in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd.
	T11S R12W 1/4 S26 S35 1960
	Desc. about 180 ft. over broken W. slope.
52.50	Draw, drains NW.; asc. 80 ft. over NE. slope.
60.00	Low spur, slopes N.; cont. along broken N. slope.
70.30	Spur, slopes NW.; desc. 165 ft. over broken W. slope; end of triangulation.
79.52	The cor. of secs. 26, 27, 34 and 35. Land, broken mountains of Thomas Range. Soil, rocky gravel and exposed ledges. Timber, scrub juniper and black brush.
	From the cor. of 3, 4, 33 and 34 on the S. bdy. mkd. by an iron post 2 ins. diam., set, mkd. and witnessed as described in the official record. N. 0° 02' W., bet. secs. 33 and 34. Over mountainous desert land of Thomas Range, covered with scattered juniper, black brush and shadscale; asc. 50 ft. over SW. slope.
5.50	Spur, slopes N. 45° W.; desc. 100 ft. over NE. slope.
16.90	Wash, 3 ft. deep, 30 lks. wide, drains NW.; desc. 10 ft. along W. slope.
25.40	Small wash, drains NW.; asc. 25 ft. along W. slope.
35.80	Small rise, slopes NW.; desc. 25 ft. over NW. slope.
40.00	Point for the 1/4 sec. cor. of secs. 33 and 34. Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground and in a collar of stone, with brass cap mkd.

Survey, Portion of Subdivision, T. 11 S., R. 12 W.

Chains

T11S R12W
S33|S34
1960

Desc. 35 ft. over gentle NW. slope.

44.10 Wash, 3 ft. deep, 20 lks. wide, drains NW.; desc. 35 ft. over gentle NW. slope. Leave scattered juniper and mountains; cont. over bench land on E. side of Fish Spring Flats.

69.90 Small knoll about 4 chs. diam; desc. 45 ft. over gentle NW. slope.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

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.

T11S R12W
S28|S27
S33|S34
1960

Land, broken mountain, S. portion; rolling bench, N. portion. Soil, rocky gravel, S. portion; clay, N. portion. Timber, scrub juniper, S. portion; none on N. portion. Undergrowth, black brush, shadscale and scattered bunch grass.

From the cor. of secs. 26, 27, 34 and 35.

N. 89° 50' W., bet. secs. 27 and 34.

Over mountainous desert land of Thomas Range, covered with scrub juniper and black brush; desc. W. slope.

1.00 Wash, drains N. irregularly; asc. 55 ft. over E. slope.

4.60 Low spur, slopes N. 20° W.; desc. 130 ft. over W. slope.

19.20 Wash, 3 ft. deep, 50 lks. wide, drains NW.; desc. 40 ft. over NW. slope.

29.50 Wash, 2 ft. deep, 30 lks. wide, drains NW.; asc. 15 ft. over NE. slope.

39.98 Point for the ¼ sec. cor. of secs. 27 and 34.

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.

T11S R12W
S27
S34
1960

Asc. 10 ft. over NE. slope.

48.50 Spur, slopes N.; desc. 30 ft. over gentle W. slope.

60.20 Shallow drain, drains N.; asc. gentle E. slope.

68.10 Spur, slopes N.; desc. 90 ft. over gentle NW. slope.

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

Survey Portion of T. 11S R. 12W.

Chains

Land, broken mountain on N. end of Thomas Range.
Soil, rocky gravel, clay on W. portion.
Timber, very scattered juniper on E. portion, black brush and shade-scale undergrowth.

N. 0° 02' W., bet. secs. 27 and 28.

Over rolling bench land on E. side of Fish Flats; desc. gentle NW. slope.

- 2.10 Unimproved road, bears N. 30° E., S. 30° W.; desc. 40 ft. over gentle NW. slope.
- 16.40 Wash, 2 ft. deep, 30 lks. wide, drains NW.; desc. 30 ft. over gentle NW. 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., 22 ins. in the ground and in a collar of stone, with brass cap mkd.

T11S R12W

$\frac{1}{4}$

S28|S27

1960

Desc. 10 ft. over gentle NW. slope.

- 47.20 Wash, 2 ft. deep, 20 lks. wide, drains NW.; desc. 30 ft. over gentle NW. 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., 22 ins. in the ground and in a collar of stone, with brass cap mkd.

T11S R12W

S21|S22

S28|S27

1960

Land, rolling bench.
Soil, clay.
Timber, none.
Undergrowth, blackbrush, shade-scale and scattered bunch grass.

N. 0° 02' W., bet. secs. 21 and 22.

Over rolling desert bench land of Fish Flats; desc. 15 ft. over gentle NW. slope.

- 7.20 Wash, 2 ft. deep, 20 lks. wide, drains NW.; desc. 10 ft. over gentle NW. slope.
- 23.00 Wash, 4 ft. deep, 70 lks. wide, drains NW.; desc. 20 ft. over gentle NW. 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 and in a collar of stone, with brass cap mkd.

Survey, Portion of Subdivision, T. 11 S., R. 12 W.

Chains

T11S R12W
 $\frac{1}{4}$
 S21 | S22
 1960

Desc. 20 ft. over gentle NW. slope.

60.00 Wash, 3 ft. deep, 30 lks. wide, drains NW.; desc. 20 ft. over gentle NW. 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., 23 ins. in the ground and in a collar of stone, with brass cap mkd.

T11S R12W
 S16 | S15
 S21 | S22
 1960

Land, rolling desert bench.

Soil, clay.

Timber, none.

Undergrowth, shadscale and scattered bunch grass.

N. 0° 02' W., bet. secs. 15 and 16.

Over rolling bench land of Fish Flats; desc. 15 ft. over gentle NW. slope.

33.00 NW. cor. of small stock pond; desc. 10 ft. over gentle NW. 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 and in a collar of stone, with brass cap mkd.

T11S R12W
 $\frac{1}{4}$
 S16 | S15
 1960

Desc. 10 ft. over gentle NW. slope.

52.30 Unimproved road, bears NW. and SE.; desc. 10 ft. over gentle NW. slope.

58.30 Wash, 4 ft. deep, 20 lks. wide, drains NW.; desc. 10 ft. over gentle NW. slope.

68.70 Graded road, Simpson Springs to Callao, bears E. and W.; desc. gentle NW. slope.

71.40 Wash, 2 ft. deep, 30 lks. wide, drains NW.; desc. gentle NW. slope.

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

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

T11S R12W
 S 9 | S10
 S16 | S15
 1960

Raised mound of stone W. of iron post.

Portion of T11S R12W.

Chains

Land, rolling desert bench.
Soil, clay.
Timber, none.
Undergrowth, shadscale, sage and bunch grass.

N. 0° 02' W., bet. secs. 9 and 10.

Over rolling desert land of Fish Springs Flats, along gentle W. slope.

33.30 Wash, 2 ft. deep, 20 lks. wide, drains W.; cont. along gentle W. slope

36.00 Unimproved road, bears E. and W.

40.00 Point for the 1/4 sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R12W

1/4
S 9 | S 10
1960

Raise a mound of stone W. of iron post.

Cont. along gentle W. slope.

43.70 Small wash, drains W.; cont. along gentle W. slope.

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., 24 ins. in the ground, with brass cap mkd.

T11S R12W

S 4 | S 3
S 9 | S 10
1960

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

Land, gently rolling desert.

Soil, sandy clay.

Timber, none.

Undergrowth, shadscale and greasewood.

N. 0° 02' W., bet. secs. 3 and 4.

Over gently rolling desert floor of Fish Spring Flats, along gentle W. slope.

2.50 Wash, drains W.; cont. along gentle W. slope.

33.70 Unimproved road, bears SW. and NE.; asc. along gentle W. slope.

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., 22 ins. in the ground, with brass cap mkd.

T11S R12W

1/4
S 4 | S 3
1960

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

Survey, Portion of Subdivision, T. 11 S., R. 12 W.

Chains	
	Cont. along gentle W. slope.
41.40	Wash, 3 ft. deep, 70 lks. wide, drains NW. irregularly; cont. along gentle W. slope.
51.60	Wash, 4 ft. deep, 50 lks. wide, drains NW.; cont. over gentle NW. slope.
58.00	Small wash, drains NW.; cont. along gentle NW. slope.
80.00	Point for the 1/16 cor. of secs. 3 and 4. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T11S R12W 1/16 S 4 S 3 80 1960
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of iron post. Cont. over gentle NW. slope.
85.40	Small wash, drains NW.; cont. along gentle NW. slope.
97.70	Small wash, drains NW.; cont. along gentle NW. slope.
100.50	Unimproved road, bears NW. and SE.; cont. over gentle NW. slope.
103.92	Intersect the Second Standard Parallel South, Point for the closing cor. of secs. 3 and 4. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T10S R12W S34 S 4 S 3 C.C. T11S R12W 1960
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of iron post. From this closing cor. the standard cor. of secs. 33 and 34, T. 10 S., R. 12 W., bears W. 6.90 chs. dist., mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the independent resurvey of the Second Standard Parallel South. official record of the
	Land, gently rolling desert. Soil, clay. Timber, none. Undergrowth, sage, blackbrush and shadscale.
	From the cor. of secs. 1, 6, 7 and 12 on the E. bdy., mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record. N. 89° 52' W., bet. secs. 1 and 12. Over slightly broken bench land on E. side of Fish Springs Flats; asc. 15 ft. over E. slope of small spur.
3.60	Low spur, slopes SW.; desc. 60 ft. over NW. slope.

Survey Portion of Subdivision T. 11 S. R. 12 W.

- Chains
- 14.40 Shallow draw, drains SW.; desc. 15 ft. along gentle S. slope.
- 22.40 Top of rise, bears NE. and SW. irregularly; desc. 40 ft. over W. slope.
- 39.88 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 12 at proportionate dist.
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.
- T11S R12W
 $\frac{1}{4}$ S 1
S12
1960
- Desc. 55 ft. over W. slope.
- 61.00 Unimproved road, bears N. 20° E., S. 20° W.; desc. 20 ft. over gentle W. slope.
- 79.76 Point for the cor. of secs. 1, 2, 11 and 12 at proportionate dist.
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.
- T11S R12W
S 2 | S 1
S11 | S12
1960
- Land, slightly broken to rolling bench land.
Soil, rocky gravel, E. portion; clay and gravel, W. portion.
Timber, none.
Undergrowth, sage, black brush and bunch grass.
- N. 89° 52' W., bet. secs. 2 and 11.
- Over rolling bench land of Fish Springs Flats; desc. 30 ft. over gentle W. slope.
- 23.90 Wash, 5 ft. deep, 3 chs. wide, drains N. 70° W.; desc. 20 ft. over gentle W. slope.
- 39.88 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11, at proportionate dist.
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.
- T11S R12W
 $\frac{1}{4}$ S 2
S11
1960
- Desc. 30 ft. over gentle W. slope.
- 59.90 Wash, 4 ft. deep, 1 ch. wide, drains N. 85° W.; desc. 20 ft. over gentle W. slope.
- 79.76 Point for the cor. of secs. 2, 3, 10 and 11, at proportionate dist.
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. 11 S., R. 12 W.

Chains

T11S R12W
S 3 | S 2
 S10 | S11
 1960

Land, rolling bench.
 Soil, clay with gravel spots.
 Timber, none.
 Undergrowth, sage, shadscale and scattered bunch grass.

N. 89° 52' W., bet. secs. 3 and 10.

Over rolling desert land of Fish Springs Flats; desc. 50 ft. over gentle W. slope.

39.88 Point for the 1/4 sec. cor. of secs. 3 and 10, at proportionate dist.

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.

T11S R12W
 1/4 S 3
 S10
 1960

Desc. 50 ft. over gentle W. slope.

79.76 The cor. of secs. 3, 4, 9 and 10.

Land, rolling desert.
 Soil, clay, few gravel spots.
 Timber, none.
 Undergrowth, sage, shadscale and scattered bunch grass.

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

N. 0° 01' W., bet. secs. 1 and 2.

Over rolling bench land on E. side of Fish Springs Flats; asc. 10 ft. along gentle W. slope.

28.20 Wash, 2 ft. deep, 1 ch. wide, drains W.; asc. 15 ft. along gentle W. slope.

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

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R12W
 1/4 S 2 | S 1
 1960

Cont. along rolling W. slope.

76.50 Wash, 2 ft. deep, 40 lks. wide, drains W.; asc. gentle W. slope.

80.00 Point for the 1/16 cor. of secs. 1 and 2.

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.

Division of Subdivision T. 11 S., R. 12 W.

Chains

T11S R12W
1/16
S 2 | S 1
80
1960

Asc. 30 ft. along W. slope.

92.30 Low rise, slopes SW.; desc. 20 ft. along gentle W. slope.

104.43 Intersect the Second Standard Parallel South.

Point for the closing cor. of secs. 1 and 2.

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.

T10S
S36
S 2 | S 1
C C
T11S R12W

From this closing cor. the standard cor. of secs. 35 and 36, T. 10 S., R. 12 W. bears W. 6.45 chs. dist., mkd. by an iron post, 2 ins. diam. set, mkd. and witnessed as described in the official record of the Independent Resurvey of the Second Standard Parallel South.

Land, rolling to slightly broken bench.
Soil, clay with rocky and gravel spots.
Timber, none.
Undergrowth, sage, black brush and scattered bunch grass.

Point for the N. ¼ sec. cor. of sec. 1 is on the Second Standard Parallel South and is midpoint bet. the closing cor. of T. 11 S., Rs. 11 and 12 W. and the closing 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.

¼ S 1
T11S R12W
1960

Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of iron post.

From this cor. the standard ¼ sec. cor. of sec. 36, T. 10 S., R. 12 W. bears W. 6.38 chs. dist., mkd. by an iron post, 1 in. diam., set, mkd. and witnessed as described in the independent resurvey of the Second Standard Parallel South. official record of the

From the cor. of secs. 2, 3, 10 and 11.

N. 0° 01' W., bet. secs. 2 and 3.

Over gently rolling desert land of Fish Springs Flats, draining W.

3.80 Wash, 5 ft. deep, 50 lks. wide, drains W. irregularly; cont. along gentle W. slope.

21.70 Wash, 6 ft. deep, 50 lks. wide, drains N. 70° W.; cont. along gentle W. slope.

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

Survey, Portion of Subdivision, T. 11 S., R. 12 W.

Chains

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.

T11S R12W

¼

S 3 | S 2

1960

Cont. along gentle W. slope.

48.00 Small wash, drains W.; desc. 20 ft. along gentle W. slope.

80.00 Point for the 1/16 sec. cor. of secs. 2 and 3.

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.

T11S R12W

1/16

S 3 | S 2

80

1960

Cont. along gentle W. slope.

82.40 Unimproved road, bears N. 10° E., S. 10° W.

99.40 Wash, 3 ft. deep, 50 lks. wide, drains W. irregularly; cont. along gentle W. slope.

104.19 Intersect the Second Standard Parallel South.

Point for the closing cor. of secs. 2 and 3.

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.

T10S

S35

S 3 | S 2

C C

T11S R12W

1960

From this closing cor. the standard cor. of secs. 34 and 35, T. 10 S., R. 12 W., bears W. 6.68 chs. dist., mkd. by an iron post, 2 ins. diam. set, mkd. and witnessed as described in the official record of the independent resurvey of the Second Standard Parallel South.

Land, gently rolling desert.

Soil, clay with few gravel spots.

Timber, none.

Undergrowth, sage, black brush and shadscale.

The point for the N. ¼ sec. cor. of sec. 2 is on the Second Standard Parallel South and is midpoint bet. the closing cor. of secs. 1 and 2 and the closing cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

¼ S 2

T11S R12W

1960

From this cor. the true point for the standard ¼ sec. cor. of sec. 35, T. 10 S., R. 12 W. bears W. 6.57 chs. dist., from which its witness cor. bears W. 0.50 chs., mkd. by an iron post, 1 in. diam., set, mkd.

Portion of Subdivision, T. 11S., R. 12W.

Chains

and witnessed as described in the official record of the independent resurvey of the Second Standard Parallel South.

The point for the N. 1/4 sec. cor. of sec. 3 is on the Second Standard Parallel South and is midpoint bet. the closing cor. of secs. 2 and 3 and the closing cor. of secs. 3 and 4.

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

T11S R12W

1960

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

From this cor. the standard 1/4 sec. cor. of sec. 34, T. 10 S., R. 12 W., bears W. 6.79 chs. dist., mkd. by an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record of the independent resurvey of the Second Standard Parallel South.

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

West, bet. secs. 16 and 21.

Over nearly level desert land of Fish Springs Flats, draining NW.; desc. gentle NW. slope.

2.40 Small wash, drains NW.; desc. 15 ft. over NW. slope.

35.60 Small wash, drains N. 45° W.; desc. 5 ft. over NW. slope.

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 and in a collar of stone, with brass cap mkd.

T11S R12W

1/4 S16
S21

1960

Desc. 10 ft. over gentle NW. slope.

59.20 Wash, 5 ft. deep, 40 lks. wide, drains NW.; desc. gentle NW. slope.

76.50 Wash, 6 ft. deep, 30 lks. wide, drains N. 50° W.; desc. gentle NW. 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., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T11S R12W

S17 | S16
S20 | S21

1960

Land, gently rolling desert.
Soil, clay and sand.
Timber, none.
Undergrowth, shadscale and black brush.

Survey, Portion of Subdivision, T₁₁S, R₁₂W.

Chains

N. 0° 03' W., bet. secs. 16 and 17.

Over nearly level desert land of Fish Springs Flats, draining NW.; desc. gentle NW. slope.

4.30 Wash, 6 ft. deep, 40 lks. wide, drains N. 45° W.; desc. 20 ft. over NW. slope.

29.50 Wash, 5 ft. deep, 30 lks. wide, drains N. 70° W.; desc. 10 ft. over NW. 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 and in a collar of stone, with brass cap mkd.

T11S R12W

1/4
S17|S16
1960

Desc. 10 ft. over gentle NW. slope.

62.40 Graded road, Simpson Springs to Callao, bears N. 70° E., S. 70° W.; desc. 10 ft. over gentle NW. slope.

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 and in a collar of stone, with brass cap mkd.

T11S R12W

S 8|S 9
S17|S16
1960

Land, nearly level desert.

Soil, clay.

Timber, none.

Undergrowth, shadscale and black brush.

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

S. 89° 58' W., bet. secs. 9 and 16.

Over nearly level desert land of Fish Springs Flats; desc. gentle NW. slope.

10.50 Wash, 3 ft. deep, 50 lks. wide, drains N. 40° W.; desc. 10 ft. over gentle NW. slope.

22.00 Unimproved road to BLM Well No. 28, bears N. 40° W., S. 40° E.; desc. gentle NW. slope.

31.30 Small wash, drains NW.; desc. gentle NW. slope.

40.01 Point for the 1/4 sec. cor. of secs. 9 and 16.

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.

Portion of T11S R12W S32

Chains

T11S R12W S32
S 9
S16
1960

- Cont. over gentle NW slope.
- 45.40 Small wash, drains N. 50° W.; desc. 20 ft. over gentle NW slope.
- 80.02 The cor. of secs. 8, 9, 16 and 17.

Land, nearly level desert.
Soil, clay.
Timber, none.
Undergrowth, shadscale and black brush.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 32 and 33.

Over gently rolling desert land on N. end of Thomas Range through scattered scrub juniper; desc. 20 ft. over gentle NW slope.

- 40.00 Point for the 1/2 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.

T11S R12W
S32 | S33
1960

Raise a mound of stone, 3 ft. base, 2 ft. high W. of iron post; desc. 40 ft. over gentle NW slope.

- 80.00 Point for the cor. of secs. 28, 29, 32 and 33.
Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R12W
S29 | S28
S32 | S33
1960

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

Land, gently rolling desert.
Soil, clay gravel.
Timber, scattered scrub juniper.
Undergrowth, sage, black brush, scattered bunch grass.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 31 and 32.

Over mountainous desert land on N. end of Thomas Range, through scattered juniper; desc. 40 ft. over N. slope on top of spar.

- 5.70 Saddle on top of spur, bears E. and W.; asc. 70 ft. over S. slope.

Survey Portion of Subdivision, T. 11. S., R. 12. W.

Chains	
10.60	Spur, slopes NE.; desc. 140 ft. over NW. slope of spur.
25.00	Base of steep NW. slope; desc. 10 ft. over gentle NW. slope, enter Fish Springs Flats.
38.50	Unimproved road; bears N. 40° W., S. 40° E.; cont. along gentle NW. slope.
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. T11S R12W $\frac{1}{4}$ S31 S32 1960
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of iron post.
	Asc. 30 ft. along gentle E. slope.
80.00	Point for the cor. of secs. 29, 30, 31 and 32. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. T11S R12W S30 S29 S31 S32 1960
	Raise a mound of stone, 2 ft. base, 2 ft. high W. of iron post.
	Land, broken S. portion, rolling N. portion.
	Soil, rocky gravel, S. portion; clay and gravel spots, N. portion.
	Timber, very scattered scrub juniper.
	Undergrowth, black brush, shadscale and bunch grass.
	From the cor. of secs. 28, 29, 32 and 33.
	West, bet. secs. 29 and 32.
	Over rolling desert land on extreme S. end of Fish Springs Flats, covered with scattered juniper; desc. 15 ft. over gentle NW. slope.
16.70	Wash, 3 ft. deep, 30 lks. wide, drains N. 30° W.; cont. over gentle NW. slope.
40.03	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. T11S R12W $\frac{1}{4}$ S29 S32 1960
	Cont. over gentle NW. slope.
40.50	Small wash, drains N. 20° W.; asc. 20 ft. over gentle E. slope.
58.60	Base of small terrace, bears N. and S.; asc. 40 ft. over E. slope.
65.36	Crest of same terrace; asc. 10 ft. over gentle E. slope of small bench.

Portion of Subdivision, T. 11 S., R. 12 W.

Chains

80.06

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

Land, rolling.
Soil, clay, sand and gravel spots.
Timber, scattered juniper.
Undergrowth, black brush, sage, bunch grass and shadscale.

General Description

T. 11 S., R. 12 W. consists of rolling desert land of Fish Spring Flats in the north and west portions, and mountainous desert land of the extreme north end of the Thomas Range in the south portion. The northeast corner of the township reaches to the base of the west slopes of the Dugway Range.

There are numerous roads within the township. The main one is a graded dirt road (Simpson Springs to Callao) which enters the township on the east boundary of section 12 and bears west, leaving the township on the west boundary of section 7. There are many unimproved roads branching off this road leading to small stock ponds, mining prospects and winter sheep camp grounds.

There is no mining activity within the township at present.

BLM well No. 28 is located in the southwest corner of section 4.

The timber consists of scattered juniper on the higher elevations of the Thomas Range. The undergrowth is mainly black brush, shadscale and scattered bunch grass, with some greasewood on the lower flats.

The soil is heavy clay on the lower flats; sand, clay and gravel on the bench land; and rocky gravel with limestone ledges in the mountains.

There are no springs of permanent water within the township.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL
FIELD NOTES

OF THE

SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 11 SOUTH, RANGE 13 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor (Chief of Party)

Donald A. Cannon, Cadastral Surveyor

Virgil E. Spratt, Cadastral Surveyor

Under special instructions dated August 25, 1936, which provided
Supplemental special instructions May 1, 1959
for the surveys included under Group No. 278, approved May 12, 1959
and assignment instructions dated April 28, 1960

Survey commenced May 26, 1960

Survey completed June 1, 1960

INDEX DIAGRAM

Township 11 South , *Range* 13 West

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GPO 856119

Donald A. Cannon _____

Virgil E. Spratt _____

Township 11 South, Range 13 West

Chains

The south boundary was surveyed by F. Dickert in 1882 and was independently resurveyed by E. Bird and R. Yundt in 1948. The east boundary was surveyed by F. Dickert in 1882 and independently resurveyed by E. Bird in 1936. The north boundary (the Second Standard Parallel South) was surveyed by J. Gorlinski in 1875 and independently resurveyed by E. Bird and R. Yundt in 1948. The west boundary was surveyed by F. Dickert in 1882 and dependently resurveyed by E. Bird and R. C. Yundt in 1948.

The following field notes are those of a survey of a portion of the subdivision of T. 11 S., R. 13 W., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transits Nos. 541331 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 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 southeast corner of the township is at latitude $39^{\circ} 48' 48.160''$ N. and longitude $113^{\circ} 14' 52.471''$ W. as adjusted from traverses to U. S. G. S. triangulation stations Fish and Detroit.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30' E.$

Survey of a Portion of the Subdivision of T. 11 S., R. 13 W.

Beginning at the cor. of secs. 1, 2, 35 and 36 on the S. bdy. mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the independent resurvey.

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

Over broken desert land on W. slopes of Thomas Range; asc. 130 ft. over rocky SW. slope.

Portion of Subdivision, T. 11 S., R. 13 W.

Chains
 29.40 Wash, 30 lks. wide, 4 ft. deep, drains SW.; asc. 15 ft. over SW. slope.

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 to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T11S R13W
 $\frac{1}{4}$
 S35 | S36
 1960

Cor. falls on low spur, sloping W.

Desc. 40 ft. over gentle NW. slope.

55.40 Wash, 40 lks. wide, 2 ft. deep, drains W.; desc. 35 ft. along W. slope.

65.40 Wash, 20 lks. wide, 4 ft. deep, drains W.; asc. 20 ft. along W. slope.

73.20 Wash, 30 lks. wide, 2 ft. deep, drains SW.; asc. 70 ft. over S. slope.

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

T11S R13W
S26 | S25
 S35 | S36
 1960

Land, broken W. slopes of Thomas Range.
 Soil, gravel and rocks.
 Timber, none.
 Undergrowth, shadscale, sage and scattered bunch grass.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the independent resurvey.

S. 89° 55' W., bet. secs. 25 and 36.

Over broken mountainous land of the W. slopes of Thomas Range; desc. 185 ft. over W. slope.

19.00 Wash, 30 lks. wide, 2 ft. deep, drains SW.; asc. 210 ft. over SE. slope.

31.80 Long Spur, slopes SW.; desc. 100 ft. over W. slope.

40.05 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., 12 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T11S R13W
 $\frac{1}{4}$
S25
 S36
 1960

Desc. 250 ft. over steep W. slope.

Portion of Subdivision T. 11 S., R. 13 W.

Chains	
54.40	Wash, 30 lks, wide, 2 ft. deep, drains SW.; asc. 75 ft. over E. slope of small spur.
57.00	Spur, slopes SW.; desc. 160 ft. over rocky W. slope.
67.60	Wash, 30 lks. wide, 3 ft. deep, drains S. 60° W.; asc. 30 ft. along S. slope.
80.10	<p>The cor. of secs. 25, 26, 35 and 36.</p> <p>Land, broken W. slopes of Thomas Range.</p> <p>Soil, gravel and rocks.</p> <p>Timber, none.</p> <p>Undergrowth, shadscale, sage, scattered bunch grass.</p>
<p>From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the independent resurvey of the S. bdy.</p>	
<p>N. 0° 03' W., bet. secs. 32 and 33.</p>	
<p>Over nearly level land of Fish Springs Flats, covered with scattered undergrowth.</p>	
40.00	<p>Point for the $\frac{1}{2}$ sec. cor. of secs. 32 and 33.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>
<p style="text-align: center;">T11S R13W $\frac{1}{2}$ S32 S33 1960</p>	
<p>No accessories available.</p>	
<p>Cont. across level alkali flats.</p>	
73.70	<p>E. end of small sand dune; cont. across level flats.</p>
80.00	<p>Point for the cor. of secs. 28, 29, 32 and 33.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>
<p style="text-align: center;">T11S R13W S29 S28 S32 S33 1960</p>	
<p>No accessories available.</p>	
<p>Land, level bottom land.</p> <p>Soil, clay and alkali.</p> <p>Timber, none.</p> <p>Undergrowth, scattered shadscale and salt grass.</p>	
<p>N. 0° 03' W., bet. secs. 28 and 29.</p>	
<p>Over level land of Fish Springs Flats, covered with salt grass and weeds, along E. bdy. of U. S. Fish and Wildlife Refuge.</p>	
40.00	<p>Point for the $\frac{1}{2}$ sec. cor. of secs. 28 and 29.</p>

Survey Portion of Subdivision T. 11 S. R. 13

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R13W
½
S29|S28
1960

No accessories available.

Cont. across level land.

42.50 Graveled road, Simpson Springs to Callao, bears SE. and W.; cont. across level land.

80.00 Point for the cor. of secs. 20, 21, 28 and 29.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R13W
S20|S21
S29|S28
1960

No accessories available.

Land, level bottom, marshy.

Soil, clay alkali and mud.

Timber, none.

Undergrowth, salt grass, reeds and weeds.

N. 0° 03' W., bet. secs. 20 and 21.

Over level land of Fish Springs Flats, covered with salt grass and weeds, along E. bdy. of U. S. Fish and Wildlife Refuge.

40.00 Point for the ½ sec. cor. of secs. 20 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R13W
½
S20|S21
1960

Deposit broken glass around iron post.

Cont. across level bottom land.

64.00 S. bank of small slough.

74.50 N. bank of same slough.

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

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R13W
S17|S16
S20|S21
1960

Deposit broken glass around iron post.

Survey, Portion of Subdivision, T, 11 S., R. 13 W.

Chains

Land, level bottom, marshy.
Soil, clay alkali.
Timber, none.
Undergrowth, salt grass, reeds and weeds.

N. 0° 03' W., bet. secs. 16 and 17.

Over level bottom land of Fish Springs Flats, along E. bdy. of U. S. Fish and Wildlife Refuge.

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.

T11S R13W

$\frac{1}{4}$
S17|S16
1960

Deposit broken glass around iron post.

Cont. across level bottom 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.

T11S R13W

S 8|S 9
S17|S16
1960

Deposit broken glass around iron post.

Land, level bottom, marshy.
Soil, clay alkali.
Timber, none.
Undergrowth, salt grass and weeds.

N. 0° 03' W., bet. secs. 8 and 9.

Over level bottom land of Fish Springs Flats, along E. bdy. of U. S. Fish and Wildlife Refuge.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 8 and 9.

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

T11S R13W

$\frac{1}{4}$
S 8|S 9
1960

Deposit broken glass around iron post.

Cont. over level bottom land.

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

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. 11 S., R. 13 W.

Chains

T11S R13W
 S 5 | S 4
 S 8 | S 9
 1960

Deposit broken glass around iron post.

Land, level bottom.

Soil, clay alkali.

Timber, none.

Undergrowth, salt grass and scattered shadscale.

N. 0° 18' W., bet. secs. 4 and 5.

Over level bottom land of Fish Springs Flats, along E. bdy. of U. S. Fish and Wildlife Refuge.

40.00 Point for the 1/4 sec. cor. of secs. 4 and 5.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R13W
 1/4
 S 5 | S 4
 1960

Deposit broken glass around iron post.

Cont. over level bottom land.

80.00 Point for the 1/16 sec. cor. of secs. 4 and 5.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R13W
 1/16
 S 5 | S 4
 1960

Deposit broken glass around iron post.

Cont. over level bottom land.

107.04 The standard cor. of secs. 32 and 33, T. 10 S., R. 13 W., mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the independent resurvey of the Second Standard Parallel South.

In accordance with the special instructions this standard cor. will now function as a cor. common to 4 sections, and was remarked

S C
 T10S R13W
 S32 | S33
 S 5 | S 4
 T11S
 1948-60

Land, level bottom.

Soil, clay alkali.

Timber, none.

Undergrowth, salt grass and scattered shadscale.

Survey, Portion of Subdivision, T. 11 S., R. 13 W.

Chains

From the standard cor. of secs. 35 and 36, T. 10 S., R. 13 W., mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the independent resurvey of the Second Standard Parallel South. In accordance with the special instructions, this standard cor. will now function as a cor. common to 4 secs. and was remarked

S C
T10S R13W
S35 | S36
S. 2 | S 1
T11S
1948-60

S. 0° 01' E., bet. secs. 1 and 2.

Over level land of Fish Springs Flats, covered with scattered patches of greasewood and salt grass.

27.29 Point for the 1/16 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.

T11S R13W
1/16
S 2 | S 1
80
1960

No accessories available.

Cont. over level bottom land.

67.29 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.

T11S R13W
¼
S 2 | S 1
1960

No accessories available.

Cont. over level bottom land.

107.29 Point for the cor. of secs. 1, 2, 11 and 12, at a position calculated to be on a line bet. the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 4, 5, 8 and 9.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R13W
S 2 | S 1
S11 | S12
1960

No accessories available.

Land, level bottom.

Soil, clay alkali.

Timber, none.

Undergrowth, scattered greasewood and salt grass.

Portion of Subdivision T. 11 S., R. 13 W.

Chains

N. 89° 57' W., bet. secs. 2 and 11 on course calculated bet. the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 4, 5, 8 and 9.

Over level bottom land of Fish Springs Flats, covered with scattered salt grass and greasewood.

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.

T11S R13W

1/4 S 2 S11

1960

No accessories available.

Cont. over level bottom land.

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.

T11S R13W

S 3 S 2 S10 S11

.1960

No accessories available.

Land, level bottom. Soil, clay alkali.

Timber, none.

Undergrowth, scattered salt grass, greasewood and weeds.

N. 0° 01' W., bet. secs. 2 and 3.

Over level bottom land of Fish Springs Flats.

40.00

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.

T11S R13W

1/4 S 3 S 2

1960

No accessories available.

Cont. over level bottom land.

80.00

Point for the 1/16 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.

Survey - Portion of Subdivision, T. 11 S., R. 13 W.

Chains	
	<p>T11S R13W 1/16 S 3 S 2 80 1960</p> <p>No accessories available.</p> <p>Cont. over level bottom land.</p>
107.25	<p>The standard cor. of secs. 34 and 35, T. 10 S., R. 13 W., mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the independent resurvey of the Second Standard Parallel South.</p> <p>In accordance with the special instructions, this standard cor. will now function as a cor. common to 4 secs. and was remarked</p> <p>S C T10S R13W S34 S35 S 3 S 2 T11S 1948-60</p> <p>Land, level bottom. Soil, clay alkali. Timber, none. Undergrowth, salt grass, greasewood and weeds.</p> <hr/> <p>In accordance with the special instructions, the standard $\frac{1}{2}$ sec. cor. of sec. 35, T. 10 S., R. 13 W., which is mkd. by an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record of the independent resurvey of the Second Standard Parallel South, will now also function as the N. $\frac{1}{2}$ sec. cor. of sec. 2, T. 11 S., R. 13 W. and was remarked</p> <p>S C $\frac{1}{2}$ S35 S 2 1948-60</p> <hr/> <p>From the cor. of secs. 16, 17, 20 and 21.</p> <p>S. 89° 59' E., bet. secs. 16 and 21.</p> <p>Over level bottom land of Fish Springs Flats, covered with salt grass and scattered shadscale.</p>
40.00	<p>Point for the $\frac{1}{2}$ sec. cor. of secs. 16 and 21.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p>T11S R13W $\frac{1}{2}$ S16 S21 1960</p> <p>No accessories available.</p> <p>Cont. over level bottom land.</p>
80.00	<p>Point for the cor. of secs. 15, 16, 21 and 22.</p>

Survey, Portion of Subdivision, T. 11 S., R. 13 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R13W

S16|S15

S21|S22

1960

No accessories available.

Land, level bottom.

Soil, clay alkali.

Timber, none.

Undergrowth, scattered salt grass and greasewood.

N. 0° 02' W., bet. secs. 15 and 16.

Over level bottom land, covered with scattered salt grass and shadscale.

40.00 Point for the ¼ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R13W

S16|S15

1960

Deposit broken glass around iron post.

Cont. over level bottom land.

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

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R13W

S 9|S10

S16|S15

1960

No accessories available.

Land, level bottom.

Soil, clay alkali.

Timber, none.

Undergrowth, salt grass and scattered shadscale.

West, bet. secs. 9 and 16.

Over level land of Fish Springs Flats, covered with salt grass.

40.01 Point for the ¼ 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.

T11S R13W

¼ S 9

S16

1960

Survey, Portion of Subdivision, T. 11 S., R. 13 W.

Chains

No accessories available.

Cont. over level bottom land.

80.02 The cor. of secs. 8, 9, 16 and 17.

Land, level bottom.
Soil, clay alkali.
Timber, none.
Undergrowth, salt grass.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy., mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the independent resurvey of the S. bdy.

N. 0° 03' W., bet. secs. 31 and 32.

Over level land of Fish Springs Flats, covered with salt grass and reeds, along E. bdy. of U. S. Fish and Wildlife Refuge,

40.00 Point for the ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R13W

S31 | S32

1960

No accessories available.

Cont. over level bottom land.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R13W

S30 | S29

S31 | S32

1960

No accessories available.

Land, level bottom.
Soil, clay alkali, marshy.
Timber, none.
Undergrowth, salt grass and reeds.

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

West, bet. secs. 29 and 32.

Over level land of Fish Springs Flats, covered with salt grass and reeds.

39.99 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.

Portion of Subdivision, T. 11 S., R. 13 W.

Chase

T11S R13W

$$\begin{array}{r} \frac{S29}{S32} \\ 1960 \end{array}$$

No accessories available.

Cont. over level land.

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

Land, level bottom, marshy.

Soil, clay alkali.

Timber, none.

Undergrowth, salt grass and reeds.

General Description

T. 11 S., R. 13 W. consists of level bottom land of Fish Springs Flats, with the exception of the southeast portion which is covered by the extreme north end of the Thomas Mountain.

The road from Simpson Springs to Callao enters the township on the east boundary of section 12, bears irregularly southwest leaving the township on the west boundary of section 31. An unimproved road branches off this road near the north end of Thomas Mountain, bears southeast along the base of the mountain leaving the township on the south boundary of section 34. The flats can be traveled with a four wheel drive vehicle except for the west portion of the township which is very marshy.

The west two ranges of the township are very marshy and are part of the Fish Springs U. S. Fish and Wildlife Refuge.

With the exception of scattered scrub juniper on the higher elevations of the Thomas Range there is no timber on the township. The undergrowth consists of sage, greasewood and shadscale on the dry parts of the township. The marshy portions are covered with salt grass with tall reeds around the ponds and sloughs.

The elevation above sea level varies from about 4,400 feet on the bottom land to about 5,700 feet on the Thomas Mountain.

The soil is heavy clay and very alkali on the flats with gravel and rocks on the Thomas Mountain.

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
James R. Munson	Transitman
Jeddie J. Judd	Notes
John D. Carter	Front chain
Dennis D. Bland	Flagman
William R. Savage	Notes
Morris E. Blackburn	Front Chain
George D. Roundy	Cornerman
Elbert O. Jensen	Flagman

CERTIFICATE OF CADASTRAL ENGINEER

We, Craig P. Sylvester, D.A. Cannon and V.E. Spratt, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 25th day of August 1936 and supplemental special instructions 1st May 1959 we have surveyed a portion of the subdivision of Township 11 South, Range 13 West,

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
January 30, 1961

Craig P. Sylvester, Cadastral Surveyor
Donald A. Cannon, Cadastral Surveyor
Virgil E. Spratt, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., APR 17 1962, 19

The foregoing field notes of the survey of a portion of the subdivision of Township 11 South, Range 13 West, Salt Lake Meridian, Utah

executed by Craig P. Sylvester Cadastral Surveyor (Chief of Party), Donald A. Cannon Cadastral Surveyor, Virgil E. Spratt, 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

INDEPENDENT RESURVEY OF THE

SECOND STANDARD PARALLEL SOUTH THROUGH RANGE 15 WEST

AND

DEPENDENT RESURVEY OF THE EAST AND WEST BOUNDARIES AND

SURVEY OF THE SOUTH BOUNDARY AND

PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 11 SOUTH, RANGE 15 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

Under special instructions dated August 25, 1936, which provided
and supplemental special instructions dated May 11, 1959
for the surveys included under Group No. 280, approved May 12, 1959
and assignment instructions dated April 28, 1960

Survey commenced June 23, 1960

Survey completed July 8, 1960

INDEX DIAGRAM

Township 11 South, Range 15 West

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Township 11 South, Range 15 West

Chains

The east boundary of the township was surveyed by F. Dickert in 1882 and partially resurveyed by E. Bird and R. C. Yundt in 1948. The north boundary (Second Standard Parallel South) was surveyed by J. Gorlinski in 1875. The west boundary was surveyed by T. C. Bailey in 1882.

The following field notes are those of an independent resurvey of the south boundary of T. 10 S., R. 15 W. (Second Standard Parallel South), a dependent resurvey of the east and west boundaries and the survey of the south boundary and a portion of the subdivisional lines of T. 11 S., R. 15 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.

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 corners on 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 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 line notes only are supplied herewith, which refer to the completed surveys.

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.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 48' 52.44''$ N. and longitude $113^{\circ} 28' 55.75''$ W., as adjusted from traverse to U. S. G. S. triangulation station "Fish."

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.

Second Standard Parallel South through Tps. 10 S. and 11 S., R. 15 West

Chains

Independent Resurvey superseding the survey executed by J. Gorlinski in 1875.

Beginning at the standard Tp. cor. of Tps. 10 S., Rs. 14 and 15 W., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record of the 1948 survey.

West, along the S. bdy. of sec. 36.

Over nearly level desert land, through moderate salt brush.

37.57 The closing cor. of Tps. 11 S., Rs. 14 and 15 W., hereinafter described.

40.00 Point for the standard 1/4 sec. cor. of sec. 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.

T10S R15W
S C
1/4 S36
1960

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

From this cor. the original standard 1/4 sec. cor. bears N. .07 lks. dist., a wooden stake, mkd. 1/4 on N. face; I destroy the marks.

80.00 Point for the standard cor. of secs. 35 and 36.

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

T10S R15W
S C
S35|S36
1960

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

From this cor. the original standard cor. bears NW., .12 lks. dist., a stone, 10x6x6 ins., firmly set and dimly mkd., with 1 notch on E. and 5 notches on W. edge; I remove the stone and bury it alongside the iron post.

Land, nearly level desert.
Soil, heavy wet clay and alkali.
Undergrowth, moderate salt brush.

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

Over nearly level desert land, through moderate salt brush.

17.70 Wash, 50 lks. wide, 4 ft. deep, drains N, 20° E.

40.00 Point for the standard 1/4 sec. cor. of sec. 35.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.

T10S R15W
S C
1/4 S35
1960

Second Standard Parallel South through Range 15 West

Chains	<p>Deposit glass in the hole and alongside the iron post.</p> <p>From this cor. the original standard $\frac{1}{4}$ sec. cor. bears N. 40° W., .15 lks. dist., a fir post, firmly set and plainly mkd. with $\frac{1}{4}$ on N. face: I destroy the marks and bury the stake alongside the iron post.</p> <p>Cont. over muddy alkali desert land.</p>
80.00	<p>Point for the standard cor. of secs. 34 and 35.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T10S R15W S C <u>S34 S35</u> 1960</p>
	<p>Deposit glass in the hole alongside the iron post.</p> <p>From this cor. the original standard cor. bears West .11 lks. dist., a stone, 10x8x6 ins., firmly set and dimly mkd. with 2 notches on the E. and 4 notches on the W. edges; I remove the stone and deposit it alongside the iron post.</p> <p>Land, nearly level desert. Soil, heavy clay and alkali. Undergrowth, moderate salt brush.</p>
40.00	<p>West, along the S. bdy. of sec. 34.</p> <p>Over nearly level alkali desert land.</p> <p>Point for the standard $\frac{1}{4}$ sec. cor. of sec. 34.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T10S R15W S C $\frac{1}{4}$ <u>S34</u> 1960</p>
78.50	<p>Deposit glass in the hole alongside the iron post and raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.</p> <p>From this cor. the original cor. bears N. 45° W., .17 lks. dist., a wooden stake, firmly set and dimly mkd. $\frac{1}{4}$ on N. face; I destroy the mks. and remove the post.</p> <p>Asc. 10 ft. over gently rolling desert land.</p>
80.00	<p>Low sand dune, 1.00 ch. wide, bears N. 20° E. and S. 20° W.</p> <p>Point for the standard cor. of secs. 33 and 34.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T10S R15W S C <u>S33 S34</u> 1960</p>
	<p>Deposit glass in the hole and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p> <p>From this cor. the original cor. bears N. 45° W., .36 lks. dist., a stone, 12x8x6 ins., firmly set and dimly mkd., with 3 notches on the E. and W. edges; I remove the stone cor. and deposit it alongside the iron post.</p> <p>Land, nearly level desert. Soil, heavy clay alkali and sand. Undergrowth, moderate salt brush.</p>
40.00	<p>West, along the S. bdy. of sec. 33.</p> <p>Over nearly level alkali desert land.</p> <p>Point for the standard $\frac{1}{4}$ sec. cor. of sec. 33.</p>

Second Standard Parallel South through Range 15 West

Chains

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the g with brass cap mkd.

T10S R15W
S C
1/4 S33
1960

Deposit glass and stone in the hole alongside the iron post.

From this cor. the original cor. bears N. 30° W., 32 lks. dist., a wooden stake, firmly set and dimly mkd. 1/4 on N. face; I destroy the original cor.

Asc. 10 ft. over nearly level desert land.

56.20

Sand dune, 1.00 ch. wide, bears N. and S.; desc. 10 ft.

80.00

Point for the standard cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the g with brass cap mkd.

T10S R15W
S C
1/4 S32 | S33
1960

Deposit glass in the hole alongside the iron post.

From this cor. the original cor. point bears N. 70° W., 36 lks. dis a stone, 10x8x6 ins., firmly set and plainly mkd. with 4 notches on the E. and 2 notches on the W. edges; I remove the stone and bury it alongside the iron post.

Land, nearly level desert.
Soil, alkali, sandy with clay subsoil.
Undergrowth, moderate salt brush.

West, along the S. bdy. of sec. 32.

Over nearly level alkali desert land.

40.00

Point for the standard 1/4 sec. cor. of sec. 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the g with brass cap mkd.

T10S R15W
S C
1/4 S32
1960

Deposit glass in the hole alongside the iron post.

From this cor. the original 1/4 sec. cor. bears N. 70° W., 35 lks. a stone, 8x6x4 ins., firmly set and dimly mkd.; I remove the stone and deposit it alongside the iron post.

80.00

Point for the standard cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the g with brass cap mkd.

T10S R15W
S C
1/4 S31 | S32
1960

Deposit glass in hole alongside iron post.

From this cor. the original cor. bears N. 50° W., 37 lks. dist., a stone, 10x8x6 ins., firmly set and dimly mkd. with 5 notches on E. and 1 notch on the W. edges; I remove the stone and bury it alongside the iron post.

Second Parallel 15 West

Chains

Land, nearly level desert.
Soil, alkali and clay.
Undergrowth, moderate salt brush.

West, along the S. bdy. of sec. 31.

Over nearly level alkali desert land.

40.00

Point for the standard $\frac{1}{4}$ sec. cor. of sec. 31.

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

T10S R15W
S C
 $\frac{1}{4}$ S31
1960

Deposit glass in the hole alongside the iron post.

From this cor. the original cor. point bears N. 80° W., 37 lks. dist., a stone, 8x6x4 ins., firmly set and plainly mkd. $\frac{1}{4}$ on N. face; I remove the stone and bury it alongside the iron post.

80.36

Intersect the standard Tp. cor. of Tps. 10 S., Rs. 15 and 16 W., a stone, 16x8x8 ins., firmly set and plainly mkd. with 6 notches on the N., E. and W. edges.

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.

T10S
R16W R15W
S C
S36 | S31
1960

Deposit original stone cor. on the N. side of the iron post.

Land, nearly level desert.
Soil, alkali and heavy wet clay loam.
Undergrowth, moderate salt burhs.

East Boundary of T. 11 S., R. 16 W.

Dependent resurvey of the E. bdy. of T. 11 S., R. 16 W., with establishment of new cors. at regular intervals of 40.00 chs. latitudinal dist. for T. 11 S., R. 15 W.

Reestablishment of the survey executed by T. C. Bailey in 1882.

Beginning at the cor. of Tps. 11 S., Rs. 15 and 16 W., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent resurvey of the S. bdy. of T. 11 S., R. 16 W.

N. $0^{\circ} 34'$ W., along the E. bdy. of sec. 36.

Over nearly level desert land.

Survey of the ...

33.00

Graded road, bears N. 60° E. and S. 60° W.

40.00

Point for the 1/4 sec. cor. of sec. 31, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T11S
R16W R15W
1/4
S31
1960

42.04

Point for the 1/4 sec. cor. of sec. 36, T. 11 S., R. 16 W., at proportionate dist.; there is no remaining evidence of the cor. originally set to function as 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 in a collar of stone, with brass cap mkd.

T11S
R16W R15W
1/4
S36
1960

57.50

Graded road, bears N. 60° E. and S. 60° W.

80.00

Point for the cor. of secs. 30 and 31, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground in a collar of stone, with brass cap mkd.

T11S
R16W R15W
S36 | S30
 S31
1960

84.08

The cor. originally set to function as the cor. of secs. 25, 30, 31 and 36, a wooden stake, loosely set and dimly mkd.; this cor. now functions for secs. 25 and 36, T. 11 S., R. 16 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground in a collar of stone, with brass cap mkd.

T11S
R16W R15W
S25 | S30
S36 | S31
1960

Deposit the original cor. alongside the iron post.

Land, nearly level desert.

Soil, clay loam.

Undergrowth, scattered to moderate brush.

N. 0° 43' W., along the E. bdy. of sec. 25.

Over nearly level desert land.

35.92

Point for the 1/4 sec. cor. of sec. 30, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the

East Boundary of T. 11 S., R. 16 W.

Chains in a collar of stone, with brass cap mkd.

T11S
R16W R15W
|
1/4
S30
1960

40.86 The cor. originally set to function as the 1/4 sec. cor. of secs. 25 and 30, a wooden stake, loosely set and dimly mkd.; this cor. now functions as the 1/4 sec. cor. of sec. 25, T. 11 S., R. 16 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S
R16W R15W
|
1/4
S25
1960

Deposit the original cor. alongside the iron post.

Raise a small mound of stone W. of the cor.

N. 0° 43' W., along the E. bdy. of sec. 25, beginning new measurement.

Over nearly level desert land.

35.06 Point for the cor. of secs. 19 and 30, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T11S
R16W R15W
S25 | S19
S30
1960

41.45 The cor. originally set to function as the cor. of secs. 19, 24, 25 and 30, a wooden stake, loosely set and plainly mkd. with 2 notches on S. and 4 notches on N. edges; this cor. now functions as the cor. of secs. 24 and 25, T. 11 S., R. 16 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T11S
R16W R15W
S24 | S19
S25
1960

Deposit the original cor. alongside the iron post.

Land, nearly level desert.

Soil, clay.

Undergrowth, moderate brush.

East Boundary of T. 11 S., R. 16 W.

Chains

N. 0° 43' W., along the E. bdy. of sec. 24.

Over nearly level desert land.

15.00 Road to Calleo, bears E. and W.

33.61 Point for the $\frac{1}{4}$ sec. cor. of sec. 19, T. 11 S., R. 15 W.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.T11S
R16W R15W $\frac{1}{4}$
S19
196041.31 The cor. originally set to function as the $\frac{1}{4}$ sec. cor. of secs. 19 and 24, a wooden stake firmly set and dimly mkd.; this cor. now functions as the $\frac{1}{4}$ sec. cor. of sec. 24, T. 11 S., R. 16 W., only.

At the cor. point

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.T11S
R16W R15W $\frac{1}{4}$
S24
1960

Deposit the original cor. alongside the iron post.

N. 0° 43' W., beginning new measurement.

Over nearly level desert land.

31.00 Road, bears N. 60° W. and S. 60° E.

32.30 Point for the cor. of secs. 18 and 19., T. 11 S., R. 15 W.

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.T11S
R16W R15WS24 | S18
S19
1960

41.43 The cor. originally set to function as the cor. of secs. 13, 18, 19 and 24, a wooden stake, dimly mkd. and loosely set; this cor. now functions as the cor. of secs. 13 and 24, T. 11 S., R. 16 W. only.

At the cor. point

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.T11S
R16W R15WS13 | S18
S24
1960

Deposit the original cor. alongside the iron post.

East Boundary of T. 11 S., R. 16 W.

Chains

Land, nearly level desert.
Soil, clay.
Undergrowth, moderate brush.

N. 0° 58' W., along the E. bdy. of sec. 13.

Over nearly level alkali desert land.

30.87

Point for the $\frac{1}{4}$ sec. cor. of sec. 18, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T11S
R16W R15W
|
¼
S18
1960

41.13

The cor. originally set to function as the $\frac{1}{4}$ sec. cor. of secs. 13 and 18, a wooden stake, dimly mkd. and loosely set; this cor. now functions as the $\frac{1}{4}$ sec. cor. of sec. 13, T. 11 S., R. 16 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T11S
R16W R15W
|
¼
S13
1960

Deposit the original cor. alongside the iron post.

N. 2° 18' W., along the E. bdy. of sec. 13, beginning new measurement.

Over nearly level alkali desert land.

29.77

Point for the cor. of secs. 7 and 18, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T11S
R16W R15W
|
S13 | S 7
| S18
1960

42.37

The cor. originally set to function as the cor. of secs. 7, 12, 13 and 18, a wooden stake, dimly mkd., lying loose upon the ground; this cor. now functions as the cor. of secs. 12 and 13, T. 11 S., R. 16 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T11S
R16W R15W
|
S12 | S 7
| S13
1960

East Boundary of T. 11 S., R. 16 W.

Chains

Deposit the original cor. alongside the iron post.

Land, nearly level desert.
Soil, heavy clay loam and alkali.
Undergrowth, moderate salt brush.

N. 0° 48' W., along the E. bdy. of sec. 12.

Over gently rolling alkali desert land.

27.40 Point for the $\frac{1}{4}$ sec. cor. of sec. 7, T. 11 S., R. 15 W.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.

T11S
R16W R15W
| $\frac{1}{4}$
S7
1960

40.94 The cor. originally set to function as the $\frac{1}{4}$ sec. cor. of secs. 7 and 12, a wooden stake, dimly mkd., lying loose upon the ground; this cor. now functions as the $\frac{1}{4}$ sec. cor. of sec. 12, T. 11 S., R. 16 W. only.

At the cor. point

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.

T11S
R16W R15W
| $\frac{1}{4}$
S12
1960

Deposit the original cor. alongside the iron post.

N. 1° 05' E., beginning new measurement.

Over nearly level alkali desert land.

26.47 Point for the cor. of secs. 6 and 7, T. 11 S., R. 15 W.

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.

T11S
R16W R15W
S12 | $\frac{S}{S}$ $\frac{6}{7}$
1960

41.86 The cor. originally set to function as the cor. of secs. 1, 6, 7 and 12, a wooden stake, plainly mkd., with 5 notches and 1 notch on opposite edges; the cor. was lying loose upon the ground. This cor. now functions as the cor. of secs. 1 and 12, T. 11 S., R. 16 W., only.

At the cor. point

East Boundary of T. 11 S., R. 16 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.

T11S
R16W R15W
S 1
S 12 | S 6
1960

Deposit the original cor. alongside the iron post.

Land, nearly level desert.
Soil, heavy clay loam and alkali.
Moderate salt brush.

N. 8° 15' W., along the E. bdy. of sec. 1.

Over nearly level desert land.

24.87

Point for the ¼ sec. cor. of sec. 6., T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S
R16W R15W
¼
S 6
1960

Deposit a stone and glass in the hole alongside the iron post.

42.66

Point for the cor. originally set to function as the ¼ sec. cor. of secs. 1 and 6, at proportionate dist.; there is no remaining evidence of the original cor. This cor. now functions as the ¼ sec. cor. of sec. 1, T. 11 S., R. 16 W. only.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S
R16W R15W
¼
S 1
1960

Deposit glass in the hole alongside the iron post.

65.29

Point for the 1/16th sec. cor. of sec. 6, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S
R16W R15W
1/16
S 6
80
1960

Deposit glass in the hole alongside the iron post.

86.39

Intersect the Second Standard Parallel South.

East Boundary of T. 11 S., R. 16 W.

Chains

Point for the closing cor. of T. 11 S., Rs. 15 and 16 W., at proportionate dist.; 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.

S31

S1|S6
C C
R16W R15W
T11S
1960

Deposit glass in the hole alongside the iron post.

From this cor. the standard Tp. cor. of T. 11 S., Rs. 15 and 16 W., bears West 7.60 chs. dist., an iron post, 2½ ins. diam., heretofore described.

Land, nearly level desert.
Soil, heavy wet clay and alkali.
Undergrowth, moderate salt brush.

West Boundary of T. 11 S., R. 14 W.

Dependent resurvey of the W. bdy. of T. 11 S., R. 14 W., with establishment of cors. for the E. bdy. of T. 11 S., R. 15 W., at regular intervals of 40.00 chs. latitudinal dist. from the cor. of Tps. 11 and 12 S., R. 15 W. hereinafter described.

Reestablishment of surveys executed by E. Bird and R. C. Yundt in 1948 and F. Dickert in 1882.

Beginning at the SW cor. of T. 11 S., R. 14 W., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 08' W., along the W. bdy. of sec. 31

Over rolling mountainous land.

22.58

Point for the Tp. cor. of Tps. 11 and 12 S., R. 15 W., established East of the cor. of Tps. 11 S., Rs. 15 and 16 W., and on the W. bdy. of T. 11 S., R. 14 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T11S
R15W R14W
S36|S31
S 1|
T12S
1960

Desc. 20 ft. along rolling W. slope.

26.90

Wash, 70 lks. wide, 3 ft. deep, drains S. 70° W.; asc. 20 ft. over S. slope.

29.40

Spur, slopes W.; asc. 20 ft. along rolling W. slope.

35.50

Spur, slopes NW.; desc. 70 ft. over broken N. slope.

40.00

The ¼ sec. cor. of sec. 31, T. 11 S., R. 14 W., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

of T. 11 S., R. 14 W.

Chains

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

Over mountainous land, desc. 150 ft. over broken N. slope.

17.80 Wash, 40 lks. wide, 2 ft. deep, drains W.; asc. 50 ft. along broken land facing W.

22.58 Point for the 1/4 sec. cor. of sec. 36, T. 11 S., R. 15 W.
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.

T11S
R15W R14W
1/4
S36
1960

Asc. 20 ft. over SW. slope.

26.60 Spur, slopes W.; desc. 70 ft. over N. slope.

29.70 Wash, 30 lks. wide, 2 ft. deep, drains W. about 3.00 chs., thence NW.; asc. 50 ft. over rocky S. slope.

34.20 Rocky spur, bears E. and W.; desc. 70 ft. over N. slope.

40.05 The cor. of secs. 30 and 31, T. 11 S., R. 14 W., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

Land, mountainous desert land.
Soil, rocky clay loam.
Undergrowth, moderate shadscale and greasewood.

N. 0° 08' W., along the W. bd y. of sec. 30.

Over mountainous land, through moderate shadscale and greasewood.

Desc. 60 ft. over rolling NW. slope.

22.53 Point for the cor. of secs. 25 and 36, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.

T11S
R15W R14W
S25
S36
1960

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

Desc. 20 ft. over gentle NW. slope.

39.99 The 1/4 sec. cor. of sec. 30, T. 11 S., R. 14 W., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

N. 0° 08' W., along the W. bdy. of sec. 30, beginning new measurement

Over rolling desert land, through moderate shadscale, greasewood and brush.

.90 West side of derrick built over mine shaft.

West Boundary of T. 11 S., R. 14 W.

Chains
1.20

West cor. of old mining building

6.90

Road, bears N. 20° W. and S. 20° E.; desc. 40 ft. over gentle N. slope.

12.90

Wash, 30 lks. wide, 2 ft. deep, drains W.; cont. over gentle rolling desert land.

22.54

Point for the 1/4 sec. cor. of sec. 25, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S
R15W R14W
1/4
S25
1960

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

Desc. 50 ft. over gentle NW. slope.

39.97

The cor. of secs. 19 and 30, T. 11 S., R. 14 W., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

Land, mountainous on S. portion, rolling desert on remainder.

Soil, clay loam and rocky.

Undergrowth, moderate greasewood, shadscale and brush.

N. 0° 08' W., along the W. bdy. of sec. 19.

Over rolling desert land, through moderate shadscale, greasewood and brush.

Desc. 30 ft. over gently rolling land.

22.57

Point for the cor. of secs. 24 and 25, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S
R15W R14W
S24
S25
1960

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

Desc. 10 ft.

39.96

The 1/4 sec. cor. of sec. 19, T. 11 S., R. 14 W., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

N. 0° 08' W., along the W. bdy. of sec. 19, beginning near

Over nearly level desert land.

7.90

Graded gravel road, bears NE. and SW.

Point for the 1/4 sec. cor. of sec. 19

West Boundary of T. 11 S., R. 14 W.

Chains

22.61 Point for the 1/4 sec. cor. of sec. 24, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S
R15W R14W
1/4
S24
1960

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

39.99 The cor. of secs. 18 and 19, T. 11 S., R. 14 W., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

Land, gently rolling desert.

Soil, clay loam.

Undergrowth, moderate greasewood, shadscale and brush.

N. 0° 08' W., along the W. bdy. of sec. 18.

Over nearly level desert land, through moderate greasewood, brush and shadscale.

22.62 Point for the cor. of secs. 13 and 24, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S
R15W R14W
S13
S24
1960

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

39.98 The 1/4 sec. cor. of sec. 18, T. 11 S., R. 14 W., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

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

Over nearly level desert land.

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

22.64 Point for the 1/4 sec. cor. of sec. 13, T. 11 S., R. 15 W.

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.

T11S
R15W R14W
1/4
S13
1960

38.95 The cor. of secs. 7 and 18, T. 11 S., R. 14 W., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

Land, nearly level desert.

Soil, clay loam.

Undergrowth, moderate greasewood, shadscale and brush.

West boundary of T. 11 S., R. 14 W.

Chains

N. 1° 43' W., along the W. bdy. of sec. 7.
Over nearly level desert land, through moderate vegetation.

23.70 Point for the cor. of secs. 12 and 13, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T11S
R15W R14W
S12
S13

1960

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

34.20 Leave greasewood, enter low hummocks and alkaline land.

40.58 The ¼ sec. cor. of sec. 7, T. 11 S., R. 14 W., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

N. 1° 49' W., along the W. bdy. of sec. 7, beginning new measurement
Over nearly level desert land.

23.14 Point for the ¼ sec. cor. of sec. 12, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T11S
R15W R14W
¼
S12

1960

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

40.47 The original cor. of secs. 1, 6, 7 and 12, monumented by a stone, 10x10x4 ins., firmly set and plainly mkd. with 1 notch on N. and 5 notches on S. edge. This cor. now functions as the cor. of secs. 6 and 7, T. 11 S., R. 14 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.

T11S
R15W R14W
S12 | S 6
S 7

1960

Deposit original cornerstone alongside iron post.

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Land, nearly level desert.

Soil, heavy clay.

Undergrowth, moderate shadscale and salt brush.

West Boundary of T. 11 S., R. 14 W.

Chains

N. 31° 33' W., along the W. bdy. of sec. 6, this sec. in sec. 6.

Over nearly level desert land.

22.69 Point for the cor. of secs. 1 and 12, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S
R15W R14W
S 1 | S 6
R12 |
1960

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

40.52 The original 1/4 sec. cor. of secs. 1 and 6, monumented by a stone, 6x6x4 ins., firmly set and plainly mkd. 1/4 on W. face. This cor. now functions as the 1/4 sec. cor. of sec. 6, T. 11 S., R. 14 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S
R15W R14W
1/4 | S 6
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of the cor.

N. 1° 45' W., along the W. bdy. of sec. 6, beginning new measurement.

Over nearly level alkali desert land.

22.19 Point for the 1/4 sec. cor. of sec. 1, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S
R15W R14W
1/4 | S 1
1960

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

40.68 Point for the 1/16 sec. cor. of sec. 6, T. 11 S., R. 14 W., at proportionate 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.

T11S
R15W R14W
1/16 | S 6
80
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of the cor.

61.10 Wash, 30 lks. wide, 3 ft. deep, drains SW.

West Boundary of T. 11 S., R. 14 W.

Chains

62.21 Point for the 1/16 sec. cor. of sec. 1, T. 11 S., R. 15 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S
R15W R14W
1/16
S 1
80
1960

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

83.21 The closing cor. of T. 11 S., R. 14 and 15 W., on the S. bdy. of T. 10 S., R. 15 W. (Second Standard Parallel South) monumented by a stone, 10x8x6 ins., firmly set and plainly mkd. C C with 6 notches on S., E. and W. edges.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

S36
S1 S6
C C
R15W R14W
T11S
1960

Deposit original cornerstone alongside iron post.

From this cor. the standard ¼ sec. cor. of sec. 36, T. 10 S., R. 15 W. bears West 2.43 chs. dist., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of the Second Standard Parallel South through R. 15 W.

Land, nearly level desert.
Soil, heavy wet clay.
Undergrowth, moderate salt brush and shadscale.

South Boundary of T. 11 S., R. 15 W.

From the Tp. cor. of Tps. 11 and 12 S., R. 15 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent resurvey of the W. bdy. of T. 11 S., R. 14 W.

West, along the S. bdy. of sec. 36.

Over-rolling land, through moderate shadscale and brush.

Desc. 100 ft. over W. slope.

9.80 Spur, slopes S.; desc. 70 ft. over SW. slope.

16.50 Wash, 40 lks. wide, 4 ft. deep, drains NW.; desc. 90 ft. over gently rolling land with NW. drainage and exposure.

40.00 Point for the ¼ sec. cor. of sec. 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R15W
S36
T12S
1960

South Boundary of T. 11 S., R. 15 W.

Chains

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of the cor.

Desc. 10 ft. over gently rolling desert land.

43.00 Wash, 30 lks. wide, 3 ft. deep, drains NW.; desc. 30 ft. over rolling NW. slope.

52.20 Wash, 40 lks. wide, 3 ft. deep, drains NW.; desc. 40 ft. over NW. slope.

80.00 Point for the cor. of secs. 35 and 36.

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.

T11S R15W

S35|S36

T12S

1960

Land, gently rolling.

Soil, clay and gravel.

Undergrowth, moderate shadscale and brush.

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

Over gently rolling desert land, through moderate shadscale and brush.

2.40 Wash, 60 lks. wide, 4 ft. deep, drains N.; desc. 30 ft.

32.10 Wash, 50 lks. wide, 2 ft. deep, drains NW.

39.80 Wash, 20 lks. wide, 2 ft. deep, drains N.

40.00 Point for the ¼ sec. cor. of sec. 35.

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

T11S R15W

¼ S35

T12S

1960

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

Asc. 10 ft. over gently rolling desert land.

57.60 Wash, 70 lks. wide, 8 ft. deep, drains N.

80.00 Point for the cor. of secs. 34 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T11S R15W

S34|S35

T12S

1960

Land, gently rolling desert.

Soil, gravel and clay.

Undergrowth, moderate shadscale and brush.

South Boundary of T. 11 S., R. 15 W.

Chains

- West, along the S. bdy. of sec. 34.
- Over gently rolling desert land, through moderate shadscale and brush.
- 12.30 Wash, 40 lks. wide, 3 ft. deep, drains N.; asc. 60 ft. over gentle E. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 34.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
- T11S R15W
 $\frac{1}{4}$ S34
T12S
1960
- Asc. 130 ft. over broken E. slope.
- 48.50 Spur, bears S. from N. 30° E.; desc. 260 ft. over W. slope.
- 74.70 Wash, 50 lks. wide, 2 ft. deep, drains N.; cont. over nearly level desert land.
- 80.00 Point for the cor. of secs. 33 and 34.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
- T11S R15W
S33|S34
T12S
1960
- Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.
- Land, rolling.
Soil, clay and gravel.
Undergrowth, moderate brush and shadscale.
- West, along the S. bdy. of sec. 33.
- Over nearly level desert land, through moderate shadscale and brush.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 33.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
- T11S R15W
 $\frac{1}{4}$ S33
T12S
1960
- 44.80 Road, bears N. and S.; asc. 100 ft. over E. slope.
- 54.30 Spur, slopes N. about 3.00 chs. to end; desc. 110 ft. over W. slope.
- 69.10 Base of descent; asc. 10 ft. over E. slope.
- 77.10 Rocky spur, bears N. and SW.
- 80.00 Point for the cor. of secs. 32 and 33.

South Boundary of T. 11 S., R. 15 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R15W

S32 | S33

T12S

1960

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

Land, rolling on W. ½ mile, nearly level on E. ½ mile.

Soil, clay and gravel.

Undergrowth, moderate shadscale and brush.

West, along the S. bdy. of sec. 32.

Over gently rolling desert land, through moderate shadscale and brush.

Desc. 20 ft. over W. slope.

8.00 Base of spur; asc. 20 ft. over gently rolling desert land.

40.00 Point for the ¼ sec. cor. of sec. 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R15W

¼ S32

T12S

1960

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

Asc. 10 ft. over gentle E. slope.

73.50 Small rise, bears N. and S.; desc. 10 ft. over gentle W. slope.

80.00 Point for the cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R15W

S31 | S32

T12S

1960

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

Land, gently rolling desert.

Soil, clay and gravel.

Undergrowth, moderate shadscale and brush.

West, along the S. bdy. of sec. 31.

Over gently rolling desert land, moderate shadscale and brush.

Asc. 10 ft. over gentle E. slope.

11.30 Small rise, bears N. and S.; desc. 20 ft. over gentle W. slope.

25.22 The Tp. cor. of Tps. 11 S., Rs. 15 and 16 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the R. 16 W.

South Boundary of T. 11 S., R. 15 W.

Chains

Land, gently rolling desert.
Soil, clay loam.
Undergrowth, moderate shadscale and brush.

Portion of the Subdivision of T. 11 S., R. 15 W.

From the cor. of secs. 35 and 36, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the current survey of the S. bdy. of the Tp.

North, bet. secs. 35 and 36, on sectional guide meridian.

Over rolling desert land, through moderate shadscale and brush.

Desc. 70 ft. over gently rolling NW. slope.

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

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T11S R15W

¼
S35|S36
1960

Desc. 30 ft. over gently rolling desert land.

70.10 Wash, 20 lks. wide, 2 ft. deep, drains N. 35° W.

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

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

T11S R15W

S26|S25
S35|S36
1960

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

Land, gently rolling desert.

Soil, gravel and clay.

Undergrowth, moderate shadscale and brush.

From the cor. of secs. 25 and 36, on the E. bdy. of the Tp., an iron post, 2½ ins. diam., described in the concurrent resurvey of the W. bdy. of T. 11 S., R. 14 W.

N. 89° 59' W., bet. secs. 25 and 36.

Over gently rolling desert land, through moderate shadscale and brush.

Desc. 110 ft. over rolling W. slope.

31.70 Dirt road, bears N. and S.; desc. 20 ft.

39.92 Point for the ¼ 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.

Portion of the Subdivision of T101 S4, R. 15 W.

Chains

T11S R15W
S25
S36
1960

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

Desc. 40 ft. over gentle W. slope.

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

Land, gently rolling desert.
Soil, clay and gravel.
Undergrowth, moderate shadscale and brush.

From the cor. of secs. 33 and 34, on the S. bdy. of the Tp., an iron post, 2 1/2 ins. diam., set, mkd. and witnessed as described in the concurrent survey of the S. bdy. of the Tp.

N. 0° 01' W., bet. secs. 33 and 34.

Over nearly level desert land, through moderate shadscale and brush.

Desc. 10 ft.

40.00 Point for the 1/4 sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.

T11S R15W
S33|S34
1960

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

Cont. over nearly level desert land.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R15W
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, clay and gravel.
Undergrowth, moderate shadscale and brush.

N. 0° 01' W. bet. secs. 27 and 28.

Over nearly level desert land, through moderate shadscale.

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.

Portion of the Subdivision of T. 11 S., R. 15 W.

Chains

T11S R15W

$\frac{1}{4}$
S28|S27
1960

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

62.90 Graded road, bears NE. and SW.

64.10 Enter swale bearing N. and S.; desc. 10 ft. along W. edge through tamarisk and willows.

74.60 Graded road from Calleo to Fish Springs, bears E. and W., road serves as dike with water ponding on both sides of the road. Leave willows and tamarisk; desc. 10 ft. over gently rolling 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.

T11S R15W

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.

Undergrowth, moderate shadscale, brush with willows and tamarisk along swale.

N. 0° 01' W., bet. secs. 21 and 22.

Over nearly level desert land, through moderate shadscale and brush.

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

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T11S R15W

$\frac{1}{4}$
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, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T11S R15W

S16|S15
S21|S22
1960

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

Land, nearly level desert.
Soil, clay..

Undergrowth, moderate shadscale and brush.

Portion of the Subdivision, T. 11 S., R. 15 W.

Chains

N. 0° 01' W., bet. secs. 15 and 16.
Over nearly level desert land, through moderate shadscale and brush.

20.00 Enter sandy hummocks.
34.50 Leave sandy hummocks, cont. over nearly level, damp alkali soil.

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.

T11S R15W

$$\begin{array}{c} \frac{1}{4} \\ \hline S16 | S15 \\ 1960 \end{array}$$

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

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.

T11S R15W

$$\begin{array}{c} \frac{1}{4} \\ \hline S 9 | S10 \\ \hline S16 | S15 \\ 1960 \end{array}$$

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

Land, nearly level desert, wet and boggy on N. 45.00 chs.
Soil, alkali, clay and sand.
Undergrowth, moderate shadscale and salt brush.

N. 0° 01' W., bet. secs. 9 and 10.

Over nearly level alkali desert land.

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.

T11S R15W

$$\begin{array}{c} \frac{1}{4} \\ \hline S 9 | S10 \\ 1960 \end{array}$$

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

T11S R15W

$$\begin{array}{c} \frac{1}{4} \\ \hline S4 | S3 \\ \hline S 9 | S10 \\ 1960 \end{array}$$

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

Land, nearly level desert.
Soil, alkali and heavy wet clay.
Undergrowth, shadscale and salt brush.

Portion of the Subdivision of T. 11 S. R. 15 W.

N. 0° 01' W., bet. secs. 3 and 4.

Over nearly level desert land, moderate salt brush.

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.

T11S R15W

$\frac{1}{4}$
S4 S3
1960

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

The cor. is located on edge of sand dune.

Asc. 10 ft. over gently rolling sandy desert land.

58.70

Sand dune, bears N. 70° E. and S. 70° W. about 2.00 chs. wide.

80.00

Point for the $\frac{1}{16}$ 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.

T11S R15W

$\frac{1}{16}$
S4 S3
80
1960

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

Cont. over nearly level alkali desert land.

100.95

Intersect the Second Standard Parallel South.

Point for the closing cor. of secs. 3 and 4, T. 11 S., R. 15 W.

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

T10S

833
S4 S3

C C

T11S R15W

1960

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of the cor.

From this cor. the standard $\frac{1}{4}$ sec. cor. of sec. 33 bears West 9.09 chs. dist., an iron post, $2\frac{1}{2}$ ins. diam., described in the concurrent resurvey of the Second Standard Parallel South through R. 15 W.

Land, nearly level desert.

Soil, alkali, clay and sand.

Moderate salt brush.

Point for the cor. of secs. 1 and 2, T. 11 S., R. 15 W. is on the Second Standard Parallel South and at a position calculated to be on a sectional guide meridian, north of the cor. of secs. 33 and 36 on the S. bdy. of T. 11 S., R. 15 W.

Portion of the Subdivision of T. 11 S., R. 15 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T108
835
S2|S1
T11S R15W
1960

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of the cor.

From this cor. the standard ¼ sec. cor. of sec. 35 bears West 9.35 chs. dist., an iron post, 2½ ins. diam., described in the concurrent resurvey of the Second Standard Parallel South through R. 15 W.

Thence South bet. secs. 1 and 2.

Over nearly level alkali desert land, moderate salt brush.

13.70 Wash, 50 lks. wide, 4 ft. deep, drains NW.

20.97 Point for the 1/16 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.

T11S R15W
1/16
S2|S1
80
1960

Deposit glass in the hole alongside the iron post.

60.97 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.

T11S R15W
¼
S2|S1
1960

Deposit glass in the hole alongside the iron post.

100.97 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.

T11S R15W
S2|S1
S11|S12
1960

Deposit glass in the hole alongside the iron post.

Land, nearly level desert.
Soil, heavy clay and alkali.
Undergrowth, moderate salt brush.

N. 89° 59' W., bet. secs. 2 and 11.

Over nearly level salt crusted desert land.

25.80 Wash, 40 lks. wide, 3 ft. deep, drains N. 20° E.

Portion of the Subdivision of T11S R. 15 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. T11S R15W $\frac{1}{4}$ S 2 S11 1960 Deposit glass in the hole alongside the iron post.
52.20	Wash, 60-lks. wide, 4 ft. deep, drains N.
80.00	Point for the cor. of secs. 2, 3, 10 and 11. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd. T11S R15W S3 S2 S10 S11 1960 Deposit glass in the hole alongside the iron post and raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor. Land, nearly level desert. Soil, alkali and heavy clay loam. Undergrowth, moderate salt brush. N. 0° 01' W., bet. secs. 2 and 3. Over nearly level salt crusted desert land.
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. T11S R15W S3 S2 1960 Deposit glass in the hole alongside the iron post and raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
60.90	Low sand dune, about 2.00 chs. wide, bears N. 50° E. and S. 70° W.; cont. over alkali desert land.
80.00	Point for the 1/16 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. T11S R15W 1/16 S3 S2 80 1960 Deposit glass in the hole alongside the iron post.
100.94	Intersect the Second Standard Parallel South (S. bdy., T. 10 S., R. 15 W.).

Portion of the Subdivision of T. 11 S., R. 15 W.

Chains

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.

T10S
S34
S3|S2
C C
T11S R15W
1960

Deposit glass in the hole alongside the iron post and raise a mound of stone, 3 ft. base, 2 ft. high, S. of the cor.

From this cor. the standard ¼ sec. cor. of sec. 34, T. 10 S., R. 15 W., bears W. 9.35 chs. dist., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the concurrent resurvey of the Second Standard Parallel South through R. 15 W.

Land, nearly level desert.

Soil, alkali and heavy clay with scattered sandy hummocks.
Undergrowth, moderate salt brush.

Point for the N. ¼ sec. cor. of sec. 2, T. 11 S., R. 15 W. is on the Second Standard Parallel South and midpoint bet. the cor. of secs. 1 and 2, and 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.

¼ S2
T11S R15W
1960

Deposit glass around iron post.

From this cor. the standard cor. of secs. 34 and 35 bears W. 9.35 chs. dist., set with a 2½ in. iron post as described in the field notes of the concurrent resurvey of T. 10 S., R. 15 W.

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

West, bet. secs. 16 and 21.

Over nearly level desert land, through moderate shadscale.

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 ground, with brass cap mkd.

T11S R15W
¼ S16
S21
1960

Raise a small mound of stone N. of the cor.

80.00

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

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R15W
S17|S16
S20|S21
1960

Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of the cor.

Land, nearly level desert.

Soil, alkali and heavy clay.

Undergrowth, moderate shadscale.

Portion of the Subdivision of T. 11 S. R. 15 W.

Chains N. 0° 02' W., bet. secs. 16 and 17.
 Over nearly level desert land, through moderate shadscale.
 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.
 THIS R15W
 $\frac{1}{4}$
 S17 | S16
 1960
 Raise a large mound of stone W. of the cor.
 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.
 THIS R15W
 S 8 | S 9
 S17 | S16
 1960
 Raise a large mound of stone W. of the cor.
 Land, nearly level desert.
 Soil, alkali and clay.
 Undergrowth, moderate shadscale.
 From the cor. of secs. 9, 10, 15 and 16.
 West, bet. secs. 9 and 16.
 Over nearly level alkali desert land, through moderate shadscale.
 40.01 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.
 THIS R15 W
 $\frac{1}{4}$
 S 9
 S16
 1960
 Raise a large mound of stone N. of the cor.
 80.02 The cor. of secs. 8, 9, 16 and 17.
 Land, nearly level desert.
 Soil, alkali and clay.
 Undergrowth, moderate shadscale.
 From the cor. of secs. 32 and 33, on the S. bdy. of the Tp., an iron post, 2 $\frac{1}{2}$ ins. diam., hereinbefore described.
 N. 0° 02' W., bet. secs. 32 and 33.
 Over gently rolling desert land, through moderate shadscale.
 Desc. 30 ft. over gentle N. slope.
 25.60 Road, bears NW. and SE.; cont. over nearly level desert land.
 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Portion of the Subdivision of T. 11 S., R. 15 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 23 ins. in the ground, with brass cap mkd.

T11S R15W

S32 | S33

1960

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

Desc. 20 ft. over gently rolling desert land.

80.00

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

Set an iron post, 30 ins. long, 2½ ins. diam., 23 ins. in the ground, with brass cap mkd.

T11S R15W

S29 | S28

S32 | S33

1960

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

Land, gently rolling desert.

Soil, clay loam.

Undergrowth, moderate shadscale.

From the cor. of secs. 31 and 32, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., heretofore described.

N. 0° 03' W., bet. secs. 31 and 32.

Over rolling desert land, through moderate shadscale.

Desc. 20 ft.

40.00

Point for the ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R15W

S31 | S32

1960

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

47.50

Graded road, bears N. 60° E. and S. 60° W.; desc. 10 ft.

77.30

Graded 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, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T11S R15W

S30 | S29

S31 | S32

1960

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

Portion of the Subdivision of T. 11 S., R. 15 W.

Chains

Land, gently rolling desert.
Soil, clay.
Undergrowth, moderate shadscale.

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

West, bet. secs. 29 and 32.

Over nearly level desert land, through moderate shadscale and brush.

26.10 Graded dirt road, bears NE. and SW.

40.00 Point for the 1/4 sec. cor. of secs. 29 and 32.

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

T11S R15W
1/4 S29
S32
1960

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

46.10 Road, bears NW. and SE.

76.40 Graded road, bears NE. and SW.

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

Land, nearly level desert.
Soil, clay.
Undergrowth, moderate shadscale and brush.

General Description

There are several low hills and spurs along the south boundary of the township, with the extreme southeast corner located on the west slope of the Fish Spring Mountains. The remainder of the township is nearly level land extending onto the Great Salt Lake Desert.

The soil varies from gravel clay loam in the south to wet clay and alkali in the northern portion. There is a moderate growth of shadscale and brush over the area affording fair grazing for livestock.

The Calleo-Fish Springs road cuts east and west through the south central portion of the township with the road to Trout Creek branching off through the southwest corner.

Mining has been carried on in the east portion of section 25, but no recent activity or developments were noted.

4-690
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
James R. Munson	Transitman
Jeddie J. Judd	Notekeeper
John D. Carter	Front Chainman
Morris E. Blackburn	Cornerman
Dennis D. Bland	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that,

pursuance of special instructions bearing date of the 25th day of August, 1959 and supplemental special instructions dated May 11, 1959 I have ~~surveyed~~ independently resurveyed the

R. 15 W., dependently resurveyed the east and west boundaries and surveyed the south boundary and a portion of the subdivisional lines of T. 11 S., R. 15 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 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 29, 1961


Craig P. Sylvester
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., APR 17 1962, 1962

The foregoing field notes of the ~~surveyed~~ independent resurvey of the Second Standard Parallel South through R. 15 W., dependent resurvey of the east boundary and survey of the south boundary and a portion of the subdivisional lines of T. 11 S., R. 15 W., Salt Lake Meridian, Utah

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


E. E. Remington
Chief, Division of Engineering

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 11 S., R. 15 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 SOUTH BOUNDARY

AND A PORTION OF THE SUBDIVISION

AND THE SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 12 SOUTH, RANGE 6 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Boyd S. Owens, Cadastral Surveyor

Under special instructions dated October 15, 1959, which provided

for the surveys included under Group No. 435, approved November 3, 1959

and assignment instructions dated June 14, 1960

Survey commenced July 18, 19 60

Survey completed July 18, 19 60

INDEX DIAGRAM

Township 12 South, *Range* 6 West

6	5	4	3	2	1
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31	5 29	4 38	34	35	36
2	3				

Township 12 South, Range 6 West

Chains

The east boundary, First Guide Meridian West, was surveyed by J. Bausman in 1869. The south boundary, a portion of the north boundary and a portion of the subdivisional lines were surveyed by J. Gorlinski in 1872. The north boundary was completed and partially resurveyed by H. W. Miller and I. Hayes in 1915. These surveys are represented upon the township plat of T. 12 S., R. 6 W. approved February 19, 1873, and the plat of T. 11 S., R. 6 W. approved June 27, 1916. The west boundary was surveyed concurrently with this survey and described in the field notes of the survey of the east boundary of T. 12 S., R. 7 W.

The following field notes are those of a dependent resurvey of a portion of the south boundary and subdivisional lines, and the original survey of a portion of the subdivisional lines of T. 12 S., R. 6 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, 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 or triangulation. Distances to topography on lines run by triangulation are approximate. The details of such 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.

Before restoring the corners, the lines of the original survey were retraced, and 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.

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. Lines of the original survey are in conformance with the special instructions.

The geographic position for the corner of sections 32 and 33 on the south boundary of the township is at latitude $39^{\circ} 43' 43.3''$ N. and longitude $112^{\circ} 32' 10.1''$ W. as adjusted from traverse to U. S. G. S. triangulation station "Trail" located in T. 12 S., R. 7 W.

Township 12 South, Range 6 West

Chains

The magnetic declination was read at a number of stations throughout this survey and found to be 16° 30' E.

Dependent Resurvey of a Portion of the South Boundary, T.12 S., R. 6 W.

Reestablishment of the survey executed by J. Gorlinski in 1872.

Beginning at the cor. of Tps. 12 and 13 S., R. 6 W., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed conforming to the official record.

N. 89° 38' E., bet. secs. 6 and 31.

Over rocky mountainous land, through moderate brush.

- 2.70 Small ravine, drains S.; asc. 120 ft. over rocky SW. slope.
- 14.90 Rocky spur, slopes SE. about 5.00 chs. to end; desc. 150 ft. over rocky E. slope.
- 23.60 Leave mountains; desc. 10 ft. over gently rolling desert land.
- 29.60 Road, bears irregularly NE. and SW.; desc. 20 ft. over rolling land, S. drainage.
- 40.13 The 1/4 sec. cor. of secs. 6 and 31, monumented by a stone, 8x6x6 ins., firmly set, mkd. and witnessed as described in the official record.

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.

T12S R6W

1/4 S 31

S 6

T13S

1960

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

Deposit the original stone cor. alongside the iron post.

N. 89° 40' E., bet. secs. 6 and 31, beginning new measurement.

Over gently rolling desert land; asc. 10 ft.

- 19.70 Small wash, drains S.; asc. 10 ft.
- 34.00 Small wash, drains S.
- 40.29 The cor. of secs. 5, 6, 31 and 32, monumented by a stone, 12x8x6 ins., firmly set, mkd. and witnessed as described in the official record.

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 Resurvey, Portion of S. Bdy., T. 12 S., R. 6 W.

Chains

T12S R6W

S31 | S32

S 6 | S 5

T13S

1960

Bury the original cor. stone alongside the iron post.

Land, mountainous on W. 23.00 chs., rolling desert on remainder.
Soil, rocky clay loam on mountains, heavy clay loam on remainder.
Timber, none.

Undergrowth, moderate sage, blackbrush, grass and shadscale.

N. 89° 26' E., bet. secs. 5 and 32.

Over rolling desert land, through moderate vegetation, S. drainage.

11.50 Fence line, bears NE. and SW, near bend to S. 15° W.

39.61 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32, at proportionate dist.; there is no remaining evidence of the original stone cor.

At the cor. point

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

T12S R6W

 $\frac{1}{4}$ S32

S 5

T13S

1960

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

40.50 Road, bears NE. and SW.; asc. 20 ft. over rolling land.

79.22 The cor. of secs. 4, 5, 32 and 33, mkd. by a wooden hub in an old mound of stone; the cor. is apparently a perpetuation of the original cor. by a local engineer.

At the cor. point

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

T12S R6W

S32 | S33

S 5 | S 4

T13S

1960

Deposit the wooden hub alongside the iron post.

Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of cor.

Land, rolling desert.

Soil, heavy clay.

Timber, none.

Undergrowth, moderate sage, blackbrush, shadscale and grass.

Dependent Resurvey of a Portion of Subdivision T. 12 S. R. 6 W.

CHAINS

Dependent Resurvey of a Portion of Subdivision of T. 12 S., R. 6 W.

Reestablishment of the survey executed by J. Gorlinski in 1872.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp.

N. 0° 44' E., bet. secs. 32 and 33.

Over gently rolling desert land, through moderate vegetation.

Asc. 30 ft. over gentle S. slope.

31.30 Road, bears N. 80° E. and S. 80° W.

33.55 Fence, bears N. 80° E. and S. 80° W.

40.10 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33, at proportionate dist.; unable to find any evidence of the original cor.

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.

T12S R6W

$\frac{1}{4}$

S32|S33

1960

Asc. 40 ft.

75.40 Road, bears N. 80° E. and S. 80° W., along low rolling hills; asc. 20 ft.

80.21 The cor. of secs. 28, 29, 32 and 33 monumented by a stone, 12x8x6 ins firmly 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., 22 ins. in the ground, with brass cap mkd.

T12S R6W

S29|S28

S32|S33

1960

Bury the original stone cor. alongside the iron post.

Raise a mound of stone, 4 ft. base, 2 ft. high, W. of the cor.

Land, rolling.

Soil, heavy clay loam, rocky clay on N. 10.00 chs.

Timber, none.

Undergrowth, moderate sage, blackbrush, grass and shadscale.

West, bet. secs. 29 and 32.

Over low rolling foot hills, through moderate vegetation.

2.20 Road, bears irregularly N. and S.; asc. 30 ft.

8.80 Road, bears NE. and SW.; asc. 80 ft. over rocky E. slope.

19.70 Spur, slopes S. about 10.00 chs. to end; asc. 30 ft. over rolling land, S. drainage.

Portion of Subdivision, T. 12 S., R. 6 W.

Chains

- 34.40 Spur, slopes S.; desc. 60 ft. over rocky W. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32 at record course and dist.; unable to locate any evidence of the original stone cor.
- 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.

T12S R6W

$\frac{1}{4}$ S29

S32.

1960

Raise a mound of stone, 4 ft. base, 2 ft. high, N. of cor.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp. hereinbefore described.

North, bet. secs. 31 and 32.

Over rolling desert land, through moderate vegetation.

Asc. 70 ft. over gentle S. slope.

- 38.90 Road, bears irregularly E. and W.; asc. 10 ft.

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32 at record course and dist.; unable to locate any remaining evidence of the original cor.

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.

T12S R6W

$\frac{1}{4}$ S31

S32

1960

Survey of a Portion of the Subdivision of T. 12 S., R. 6 W.

From the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

North, bet. secs. 31 and 32, beginning new measurement.

Asc. 40 ft. over rocky S. slope.

- 4.60 Rocky spur, slopes E. about 5.00 chs. to end; asc. 140 ft. over rocky, rolling E. slope.
- 29.20 Slope changes to steep rocky S.; asc. 140 ft.
- 33.20 Slope changes to E.; asc. 60 ft.
- 37.90 Slope changes to rocky NE.; desc. 20 ft.

Survey, Portion of Subdivision, T. 12 S., R. 6 W.

Chains

40.99 Point for the cor. of secs. 29, 30, 31 and 32, W. of $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

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

T12S R6W

S30 | S29

S31 | S32.

1960

Land, rolling desert land on S. $\frac{1}{2}$ mile, mountainous on remainder.
Soil, clay loam on S. $\frac{1}{2}$ mile, rocky clay loam on remainder.
Timber, none.
Undergrowth, moderate brush, shadscale and grass.

From the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

West, bet. secs. 29 and 32, beginning new measurement.

By triangulation, over rolling land, S. drainage and exposure; asc. 250 ft.

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

Land, rolling.

Soil, clay loam and rocks.

Timber, none.

Undergrowth, moderate brush, grass and shadscale.

General Description

The portion of T. 12 S., R. 6 W. included in this survey lies on or adjacent to the southeast slope of a desert mountain. The land varies from steep and rocky on the northwest quarter of section 32, to gently rolling desert land throughout most of the remainder.

The soil is of clay loam and rocky clay loam, supporting a moderate growth of low sage, blackbrush, shadscale and grass. The land is used primarily for the grazing of livestock controlled by a fence bearing irregularly east and west through the area.

No mining activities or water sources were noted.

CERTIFICATE OF CADASTRAL ENGINEER

I, Boyd S. Owens, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15th day of October, 1959, I have ~~surveyed~~ dependently /resurveyed a portion of the south boundary and a portion of the sub-division, and surveyed a portion of the subdivision of T. 12 S., R. 6 W.

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

Salt Lake City, Utah
February 15, 1961

Boyd S. Owens
Boyd S. Owens, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., MAY 3 1962, 19

The foregoing field notes of the ~~survey of~~ dependent resurvey of a portion of the south boundary and a portion of the subdivision, and the survey of a portion of the sub-division of T. 12 S., R. 6 W., Salt Lake Meridian, Utah

executed by Boyd S. Owens, Cadastral Surveyor

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

E. E. Livingston
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 THE EAST BOUNDARY

AND A PORTION OF THE SUBDIVISION

OF TOWNSHIP 12 SOUTH, RANGE 7 WEST

AND THE DEPENDENT RESURVEY

OF THE EAST BOUNDARY

OF TOWNSHIP 12 SOUTH, RANGE 8 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Boyd S. Owens, Cadastral Surveyor

Under special instructions dated October 15, 1959, which provided
for the surveys included under Group No. 435, approved November 3, 1959
and assignment instructions dated June 14, 1960

Survey commenced July 5, 1960

Survey completed July 15, 1960

INDEX DIAGRAM

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8 20	21	22	14 27	24	25	2
7 31	25 24 29	23 28	14 24	25	13 12 26	2

Township 12 South, Range 7 West

Chains

The north boundary of T. 12 S., R. 7 W. was surveyed by H. W. Miller and I. Hayes in 1915; the south boundary was independently resurveyed by E. Bird and A. Nelson in 1941. These surveys are represented upon the township plats of T. 11 S., R. 7 W. approved June 27, 1916, and the plat of T. 13 S., R. 7 W. accepted January 31, 1949. The west boundary (the east boundary of T. 12 S., R. 8 W.) was surveyed by J. Gorlinski in 1876 and the record thereof appears on the plat of T. 12 S., R. 8 W. approved April 30, 1877.

The following field notes are those of the survey of the east boundary and a portion of the subdivisional lines of T. 12 S., R. 7 W., and a dependent resurvey of the east boundary of T. 12 S., R. 8 W. Since no subdivisions in T. 12 S., R. 7 W. are based upon these corners, the corners originally set to function for T. 12 S., Rs. 7 and 8 W. are marked for T. 12 S., R. 8 W. only.

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 and resurvey 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 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.

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. 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 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 survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 43' 37.6''$ N. and longitude $112^{\circ} 34' 25''$ W. as adjusted from U.S.G.S. triangulation station "Trail."

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 E. Bdy. T. 12 S., R. 7 W.

Chains

Survey of the East Boundary of T. 12 S., R. 7 W.

Beginning at the cor. of Tps. 12 and 13 S., R. 7 W., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 06' E., along the E. bdy. of sec. 36.

Over rolling, mountainous land, through moderate low brush.

Asc. 30 ft. over S. slope.

8.45 The cor. of Tps. 12 and 13 S., R. 6 W., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 08' E., along the E. bdy. of sec. 36, continuing measurement.

Asc. 350 ft. over rocky S. slope.

32.60 Rocky spur, slopes S. 15° E.; asc. 50 ft. along rocky E. slope.

38.20 Rocky spur, slopes irregularly E.; desc. 40 ft. over steep N. slope.

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

T12S
R7W R6W
 $\frac{1}{4}$
S36 |
1960

Desc. 70 ft. over steep N. slope.

47.90 Wash, drains S. 70° E.; asc. 210 ft. along rolling, rocky E. slope.

70.80 Top of ascent; desc. 50 ft.

73.70 Rocky gully, drains S. 60° E.; asc. 10 ft. over S. slope.

78.80 Rocky spur, slopes E.; desc. 10 ft. along rolling E. slope.

80.00 Point for the 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, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T12S
R7W R6W
S25 |
S36 |
1960

Land, broken mountains.

Soil, rocky clay loam, granite outcrops.

Timber, none.

Undergrowth, small sage, brigham tea and greasewood.

N. 0° 08' E., along the E. bdy. of sec. 25.

Over high broken mountains; desc. 50 ft. along rolling E. slope.

3.50 Gully, drains S. 70° E.; desc. 30 ft.

Survey, E. Bdy., T. 12, S., R. 7, W.

- Chains
- 5.70 Gully, drains S. 50° E.; asc. 410 ft. over steep, rocky S. slope.
- 20.60 Ridge top, bears E. and W.; desc. 110 ft. over steep broken N. slope.
- 28.30 Bottom of descent; asc. 80 ft. over rocky SW. slope.
- 34.90 Rocky spur, slopes W. from S. irregularly; desc. 80 ft. along rocky W. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 25.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S
R7W R6W
 $\frac{1}{4}$
S25
1960

Asc. 20 ft. along W. slope.

- 41.50 Rocky spur, slopes N. 60° W.; desc. 140 ft. over steep N. slope.
- 46.00 Rocky ravine, drains NW.; desc. 10 ft.
- 49.20 Small finger spur, slopes NW.; desc. 120 ft. over NE. slope.
- 54.40 Draw, drains N. 60° W.; asc. 50 ft. over SW. slope.
- 60.00 Finger spur, slopes NW.; desc. 140 ft. over N. slope.
- 67.90 Draw, drains W.; asc. 10 ft. over gentle S. slope.
- 74.80 Top of ascent, bears E. and W.; desc. 50 ft. over N. slope.
- 79.20 Wash, 20 lks. wide, 1 ft. deep, drains S. 70° W.
- 80.00 Point for the cor. of secs. 24 and 25.
- 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.

T12S
R7W R6W
S24 S30
S25
1960

Land, rolling on N. 15.00 chs., rocky mountains on remainder.
Soil, rocky clay loam, granite outcrops.
Timber, none.
Undergrowth, moderate sage, blackbrush, greasewood and grass.

N. 0° 08' E., along the E. bdy. of sec. 24.

Over rolling land, moderate vegetation.

Asc. 120 ft. over S. slope.

- 11.00 Rocky knoll; desc. 50 ft. over rolling N. slope.
- 27.70 Small wash, drains S. 20° E.; asc. 130 ft. over gentle rolling land.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 24.

Chains

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

T12S
R7W R6W
S24
1960

The cor. is located on top of rocky knoll.

Desc. 70 ft. over N. slope.

46.40 Draw, drains W.; asc. 50 ft. over rolling land, general W. drainage and exposure.

70.20 Small wash, drains S. 70° W.; asc. 130 ft. over rolling S. slope.

80.00 Point for the cor. of secs. 13 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T12S
R7W R6W
S13 | S19
S24 |
1960

Land, rolling desert and nearly barren spurs and knolls.
Soil, rocky clay loam.
Timber, none.
Undergrowth, scattered to moderate low sage, greasewood, yellow brush and grass.

N. 0° 08' E., along the E. bdy. of sec. 13.

Over high mountainous, rocky land.

Asc. 80 ft. over steep S. slope.

4.10 Rocky ridge, bears W. and S. 70° E.; desc. 70 ft. over N. slope.

7.20 Ravine, drains W.; asc. 130 ft. over S. slope.

13.70 Spur, slopes W.; desc. 80 ft. over N. slope.

17.20 Ravine, drains W.; asc. 110 ft. over S. slope.

22.70 Spur, slopes W.; desc. 50 ft. over N. slope.

24.80 Ravine, drains W.; asc. 60 ft. over SE. slope.

30.00 Spur, slopes SW.; desc. 10 ft. over gentle NW. slope.

31.30 Small ravine, drains SW.; asc. 70 ft. over S. slope.

40.00 Point for the ¼ sec. cor. of sec. 13.

Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

Survey, E. Bdy., T. 12. S., R. 7. W.

Chains	
	T12S R7W R6W S13 1960
	Asc. 60 ft. over S. slope.
42.60	Ridge top, bears irregularly NW. and SE.; desc. 470 ft. over steep broken N. slope.
57.00	Draw, near head, drains N. 70° E.; desc. 200 ft. over rolling broken land, facing N.
73.90	Wash, drains NE.; leave mountainous land; desc. 30 ft. over gently rolling desert.
80.00	Point for the cor. of secs. 12 and 13. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.
	T12S R7W R6W S12 S18 S13 1960
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
	From this cor., U.S.G.S. triangulation station "Trail," bears S. 77° 37' 30" W., 88.33 chs. dist. The geographic position of this station is latitude 39° 46' 53.333" N., longitude 112° 35' 37.150" W.
	Land, rolling and mountainous. Soil, rocky clay loam. Timber, none. Undergrowth, small sage, blackbrush, greasewood and yellow brush.
	N. 0° 08' E., along the E. bdy. of sec. 12.
	Over gently rolling desert land, through moderate low brush.
	Desc. 90 ft. over gentle N. slope.
27.10	Road, bears E. and W.; desc. 30 ft.
37.00	Wash, drains N. 20° W.; desc. 10 ft.
40.00	Point for the ¼ sec. cor. of sec. 12. 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.
	T12S R7W R6W ¼ S12 1960
43.60	Road, bears N. 70° W. and S. 60° E.; desc. 10 ft.
47.80	Jeep road, bears NE. and SW.; desc. 30 ft.
57.70	Wash, drains W.; asc. 20 ft.
64.00	Summit of low rolling ridge, bears E. and W.; desc. 70 ft. over gentle rolling land.

Survey, (E. Bdy., T. 12, S., R. 7, W.)

Chains	
80.00	Point for the cor. of secs. 1 and 12. 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. T12S R7W R6W S 1 S 7 S12 1960 Land, gently rolling desert. Soil, clay loam and gravel. Timber, none. Undergrowth, moderate low sage, blackbrush, yellow brush and grass.
	N. 0° 08' E., along the E. bdy. of sec. 1. Over gently rolling desert land. Desc. 40 ft.
40.00	Point for the ¼ sec. cor. of sec. 1. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd. T12S R7W R6W S 1 S 12 1960 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
52.80	Road, bears N. 70° E. and S. 70° W.; desc. 10 ft.
68.30	Wash, drains S. 70° W.
78.70	Wash, drains S. 80° W.
80.00	Point for the 1/16th cor. of sec. 1. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd. T12S R7W R6W 1/16 S 1 80 1960 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
92.30	Wash, drains S. 50° W.
93.96	The cor. of Tps. 11 and 12 S., Rs. 6 and 7 W., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record. Land, gently rolling desert. Soil, clay loam and gravel. Timber, none. Undergrowth, moderate low sage, blackbrush, yellow brush, shadscale and grass.

Chains

Dependent Resurvey of the East Boundary of T. 12 S., R. 8 W.

Reestablishment of the survey executed by J. Gorlinski in 1876.

Beginning at the cor. of Tps. 12 and 13 S., Rs. 7 and 8 W., monumented by a 3 in. iron post, set, mkd. and witnessed as described in the official record.

N. 0° 04' E., along the E. bdy. of sec. 36.

Over nearly level desert land, through moderate low sage and black-brush.

Asc. 20 ft.

40.05 The $\frac{1}{4}$ sec. cor. of sec. 36, monumented by a stone, 8x6x4 ins., firmly set and dimly mkd.

At the cor. point

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.

T12S
R8W R7W
|
S36
1960

Bury the original stone cor. alongside the iron post.

N. 0° 05' E., along the E. bdy. of sec. 36, beginning new measurement.

Over nearly level desert land, through moderate low brush.

40.10 The cor. of secs. 25 and 36, monumented by a stone, 10x8x7 ins., 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., 22 ins. in the ground, with brass cap mkd.

T12S
R8W R7W
|
S25
S36
1960

Bury the original stone cor. alongside the iron post.

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

Land, nearly level desert.

Soil, heavy clay loam.

Timber, none.

Undergrowth, moderate low sage, blackbrush, shadscale and grass.

Dependent Resurvey, E. Bdy., T. 12 S., R. 8 W.

Chains

N. 0° 07' E., along the E. bdy. of sec. 25.

Over nearly level desert land, through moderate undergrowth.

40.20

The $\frac{1}{2}$ sec. cor. of sec. 25, monumented by a stone, 8x6x3 ins., loosely set and dimly mkd.

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.

T12S
R8W R7W
 $\frac{1}{2}$
S25
1960

Bury the original stone cor. alongside the iron post.

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

N. 0° 03' E., along the E. bdy. of sec. 25, beginning new measurement.

Over gently rolling desert land, through moderate low brush.

7.90

Wash, 4 ft. deep, 10 lks. wide, drains S. 20° W.

23.40

Old road, bears E. and W.; asc. 10 ft.

39.87

The cor. of secs. 24 and 25, monumented by a stone, 8x7x4 ins., firmly set and dimly mkd.

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.

T12S
R8W R7W
S24
S25
1960

Bury the original stone cor. alongside the iron post.

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 low sage, blackbrush, shadscale and grass.

N. 0° 05' E., along the E. bdy. of sec. 24.

Over nearly level desert land, through moderate low brush.

20.40

Old road, bears E. and W.

E. 12 S. R. 8 W.

Chains

40.21 The 1/4 sec. cor. of sec. 24, monumented by a stone, 12x7x7 ins., loosely set and plainly mkd. 1/4 on W. face.

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.

T12S
R8W R7W
1/4
S24
1960

Bury the original stone cor. alongside the iron post.

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

N. 0° 03' E., along the E. bdy. of sec. 24, beginning new measurement.

Over nearly level desert land, through moderate low brush.

16.90 Road, bears E. and W.

39.77 The cor. of secs. 13 and 24, monumented by a stone, 10x6x6 ins., set, mkd. and witnessed as described in the official record.

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.

T12S
R8W R7W
S13
S24
1960

Bury the original stone cor. alongside the iron post.

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 low sage, blackbrush, shadacale and grass.

N. 0° 03' E., along the E. bdy. of sec. 13.

Over nearly level desert land, through moderate low brush.

1.70 Calleo-Jericho road, bears NE. and SW.; asc. 10 ft.

36.70 Begin descent over N. slope; desc. 50 ft.

40.11 The 1/4 sec. cor. of sec. 13, monumented by a stone, 8x8x4 ins., loosely set and plainly mkd. 1/4 on W. face.

At the cor. point

Dependent Resurvey, E. Bdy., T. 12, S. 3, R. 6 & W. 13

Chains

actual

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

T12S

R8W R7W

S13

1960

Bury the original stone cor. alongside the iron post.

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

The cor. is located near the base of N. slope.

N. 0° 01' E., along the E. bdy. of sec. 13, beginning new measurement.

Over old river bottom.

- 1.80 Gully, 6 ft. deep, 40 lks. wide, drains W. about 3.00 chs. to stock pond.
- 12.30 Break in dyke around pond, 30 lks. wide, 10 ft. deep, leave river bottom; asc. 30 ft. over S. slope.
- 14.80 Pond overflow, 20 lks. wide, 6 ft. deep, drains SW.; asc. 10 ft.
- 19.00 Road, bears NW. and SE.; asc. 20 ft.
- 25.80 Top of ascent, bears NE. and SW.; cont. over nearly level desert land.
- 40.13 Point for the cor. of secs. 12 and 13, at proportionate dist.; there is no remaining evidence of the original stone cor.
- Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.
- T12S
R8W R7W
S12
S13
1960
- Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.
- Land, rolling desert.
Soil, clay loam and gravel.
Timber, none.
Undergrowth, moderate low sage, blackbrush, yellow brush and grass.
-
- N. 0° 01' E., along the E. bdy. of sec. 12.
- Over nearly level desert land, through moderate brush.
- 38.20 Old road, bears E. and W.
- 40.13 The ¼ sec. cor. of sec. 12, monumented by a stone, 12x8x6 ins., set, mkd. and witnessed as described in the official record.

Dependent Resurvey, E. Bdy., T. 12 S., R. 8 W.

Chains

At the cor. point

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

T12S
R8W R7W
¼
S12
1960

Bury the original stone cor. alongside the iron post.

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

N. 0° 05' E., along the E. bdy. of sec. 12, beginning new measurement.

Over nearly level desert land, through moderate low brush; desc. 10 ft.

40.37 The cor. of secs. 1 and 12, monumented by a stone, 10x8x5 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., 22 ins. in the ground, with brass cap mkd.

T12S
R8W R7W
S 1
S12
1960

Bury the original stone cor. alongside the iron post.

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

Land, nearly level desert.

Soil, heavy clay and gravel.

Timber, none.

Undergrowth, moderate low brush, shadscale and grass.

N. 0° 03' E., along the E. bdy. of sec. 1.

Over nearly level desert land, through moderate low brush.

Desc. 30 ft.

33.00 Enter barren mud flat.

40.35 The ¼ sec. cor. of sec. 1, monumented by a stone, 8x8x3 ins., firmly set, mkd. and witnessed as described in the official record.

At the cor. point

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.

Dependent Resurvey, E. Bdy., T. 12 S., R. 8 W.

Chains

T12S
R8W R7W
S 1
1960

Bury the original stone cor. alongside the iron post.

N. 0° 05' E., along the E. bdy. of sec. 1, beginning new measurement.

Over nearly level land.

1.40 Leave barren mud flat, bears NE. and SW.; desc. 10 ft. through moderate brush.

32.40 Old road, bears NE. and SW.; desc. 30 ft.

40.10 The Tp. cor. of Tps. 11 and 12 S., R. 8 W., monumented by an iron post 3 ins. diam., set, mkd. and witnessed as described in the official record.

From this cor. the closing Tp. cor. of Tps. 11 and 12 S., R. 7 W., which is an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record, bears N. 0° 07' E., 12.26 chs. dist.

Land, rolling desert.
Soil, heavy clay.
Timber, none.
Undergrowth, moderate low brush, shadscale and grass.

Survey of a Portion of the Subdivision of T. 12 S., R. 7 W.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 07' E., bet. secs. 35 and 36.

Over mountainous land.

Asc. 250 ft. over steep rocky S. slope.

13.40 Broken, rocky spur, slopes W.; desc. 160 ft. over broken land, facing N.

34.10 Wash, drains S. 70° W.; asc. 20 ft. over S. slope.

40.00 Point for the 1/4 sec. cor. of secs. 35 and 36.

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

T12S R7W

S35 S36

1960

Asc. 20 ft.

Survey, Portion of Subdivision, T. 12 S., R. 7 W.

Chains

- 51.40 Road, bears N. 80° W. and S. 80° E.; asc. 330 ft. over steep rocky S. slope.
- 65.30 Spur, slopes W.; desc. 240 ft. over steep rocky N. slope.
- 78.40 Wash, drains NW.; desc. 10 ft. along W. 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, 4° ft. base to top, with brass cap mkd.

T12S R7W

S26|S25

S35|S36

1960

Land, rolling brush flats and high rocky mountains.
Soil, rocky clay loam and gravel, numerous granite outcrops.
Timber, widely scattered scrub juniper.

From the cor. of secs. 25 and 36, on the E. bdy. of the Tp., monumented by an iron post, 2½ ins. diam., hereinbefore described.

N. 89° 55' W., bet. secs. 25 and 36.

Over broken mountainous land.

Asc. 80 ft. over broken E. slope.

4.50 Gully, drains NE.; asc. 440 ft. over steep E. slope.

19.30 Ridge top, bears irregularly N. and S.; desc. 270 ft. over steep, broken W. slope.

26.20 Ravine, drains N. 60° W., heads about 3.00 chs. SE.; desc. 40 ft. along rocky N. slope.

30.60 Spur, projects N. 10° W., about 2.00 chs. dist.; desc. 170 ft. over W. slope.

34.90 Ravine, drains N. 10° W., heads about 5.00 chs. S. 20° E.; asc. 30 ft. over E. slope.

40.00 Point for the ¼ sec. cor. of secs. 25 and 36.

Set an iron post, 36 ins. long, 1 in. diam., 10 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S R7W

¼ S25

S36

1960

Asc. 30 ft. over NE. slope.

45.10 Spur, slopes NW. about 10.00 chs. to end; desc. 330 ft. over steep broken W. slope.

56.20 Base of steep descent; desc. 100 ft. over gentle W. slope.

65.70 Ravine, drains NW.; desc. 100 ft.

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

Land, mountainous.
Soil, rocky clay loam, granite outcrops.
Timber, widely scattered scrub juniper.

Portion of Subdivision, T. 12 S., R. 7 W.

Chains

Beginning at the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp., monumented by an iron post, 2 ins. diam., set, mkd. and as described in the official record.

N. 0° 06' E., bet. secs. 33 and 34.

Over nearly level desert land, through moderate low brush.

Asc. 30 ft. over gentle S. slope.

36.50 Road, bears N. 20° W. and S. 20° E.

40.00 Point for the 1/2 sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground and in a mound of stone to top, with brass cap mkd.

T12S R7W

S33 | S34

1960

Asc. 20 ft.

55.20 Road, bears N. 70° W. and S. 70° E.; asc. 10 ft. over S. slope.

59.00 Road, bears N. 80° W. and S. 80° E.; asc. 70 ft. over S. slope.

63.70 Small rocky spur, slopes W.; desc. 20 ft. over N. slope.

65.90 Wash, drains W.; asc. 50 ft. over S. slope.

72.60 Rocky spur, slopes W.; desc. 30 ft. over N. slope.

77.50 Small wash, drains N. 80° W.; asc. 10 ft. over S. slope.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

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

T12S R7W

S28 | S27

S33 | S34

1960

The cor. is located on top of low rocky spur, sloping W.

Land, rolling desert.

Soil, clay loam and gravelly.

Timber, none.

Undergrowth, moderate low sage, blackbrush, shadscale, weeds and grass.

N. 0° 06' E., bet. secs. 27 and 28.

Over rolling mountainous land, nearly barren of vegetation.

Asc. 10 ft. over gentle S. slope.

8.00 Slope becomes steep rocky S.; asc. 70 ft.

Portion of Subdivision, T. 12 S., R. 7 W.

- Chains
- 15.50 Rocky spur, slopes W.; desc. 10 ft.
- 17.80 Head of small draw, drains W.; asc. 10 ft. along W. slope.
- 23.50 Slope changes to steep SW.; asc. 240 ft.
- 33.80 Ridge, bears E. and W.; desc. 150 ft. over steep rocky N. slope.
- 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., over a cross (X) cut in solid granite and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S R7W
 1/4
 S28 | S27
 1960

- Desc. 70 ft. over N. slope.
- 47.70 Wash, 10 lks. wide, 1 ft. deep, drains W.; asc. 10 ft.
- 49.90 Road, bears E. and W.; asc. 110 ft. over steep rocky S. slope.
- 58.50 Head of gully, drains southerly to wash at 47.70 chs.; asc. 350 ft.
- 69.70 Mountain top, bears E. and W.; desc. 140 ft. over broken, rocky N. slope.
- 73.60 Draw, drains E.; asc. 100 ft. over S. slope.
- 77.60 Top of ascent, bears E. and W.; desc. 90 ft. along broken E. 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., 4 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T12S R7W
 S21 | S22
 S28 | S27
 1960

Land, broken mountains.
 Soil, shallow clay, gravel and rock, with granite outcrops.
 Timber, none.
 Undergrowth, scant.

- N. 0° 06' E., bet. secs. 21 and 22.
- Over steep broken mountainous land.
- Desc. 200 ft. over broken land, facing NE.
- 14.30 Road, bears N. 30° W. and S. 30° E.; leave mountains, desc. 20 ft. over gently rolling desert land.
- 23.10 Road, bears E. and W.; desc. 20 ft.
- 27.80 Wash, drains N. 80° W.; cont. over rolling bottom of valley.

Portion of T. 12-S. R. 7-W.

Chains

- 33.90 Road, bears E. and W.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.
- T12S R7W
 $\frac{1}{4}$
 S21|S22
 1960
- Desc. 10 ft.
- 53.70 Road, bears E. and W.; desc. 10 ft.
- 61.00 Wash, 10 lks. wide, 1 ft. deep, drains N. 80° W.; desc. 10 ft.
- 67.50 Wash, drains W.; asc. 10 ft.
- 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 and in a collar of stone, with brass cap mkd.
- T12S R7W
 S16|S15
 S21|S22
 1960
- Land, rolling desert on N. 65.00 chs., mountainous on remainder. Soil, clay loam and gravel; rocky with granite outcrops on S. 15.00 chs.
 Timber, none.
 Undergrowth, moderate low sage, blackbrush, greasewood and bunch grass.
-
- N. $0^{\circ} 06'$ E., bet. secs. 15 and 16.
- Over nearly level desert land.
- Desc. 20 ft.
- 6.60 Small wash, drains W.; asc. 10 ft.
- 13.00 Small wash, drains SW.; asc. 20 ft.
- 22.10 Road, bears NE. and SW.; asc. 10 ft.
- 32.60 Road, bears E. and W.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.
- Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
- T12S R7W
 $\frac{1}{4}$
 S16|S15
 1960
- Asc. 50 ft. over gentle S. slope.

Dependent Resurvey of Portion of South Boundary, T. 29 S., R. 19 E.

Chains

37.12

The closing cor. of Tps. 29 S., R. 19 and 20 E., mkd. by an iron post, 3 ins. diam., conforming to the record.

Thence on original survey with continuous measurement.

37.23

Previous wash at bend, drains N. 80° W. from NE.

40.00

Point for the 1/4 sec. cor. of sec. 36, T. 29 S., R. 19 E. falls in the bottom of a wash draining N. 20° W.

41.00

Point selected for the witness 1/4 sec. cor. of sec. 36.

Set an iron post, 36 ins. long, 1 in. diam., 30 ins. in the ground, with brass cap mkd.

1886 WC

1928

from which

A juniper, 8 ins. diam., bears N. 75° 45' E., 64 lks. dist., mkd. WC 1/2 S36 BT.

A juniper, 6 ins. diam., bears N. 72° 15' W., 243 lks. dist., mkd. WC 1/2 S36 BT.

Asc. 30 ft. over E. slope

53.90

Spur, projects N. 10° E. desc. 75 ft. over W. slope.

60.02

Draw, drains N. 15° E.; asc. 70 ft. over E. slope.

67.00

Sandstone spur, projects N. 20° E.; desc. 40 ft. over NW. slope.

71.30

Draw, drains N. 30° E.; asc. 80 ft. over SE. slope.

77.12

Point for the 1/4 sec. cor. of sec. 36, T. 29 S., R. 19 E.

Set an iron post, 36 ins. long, 1 in. diam., over a cross (X) cut in solid sandstone, in a mound of stone, 4 ft. base to top, with brass cap mkd.

1886 WC

1928

from which

A sandstone ledge, bears S. 76° E., 21 lks. dist., mkd. X BO S36.

A scrubby juniper, bears S. 79° 30' W., 59 lks. dist., mkd. BT.

Asc. 30 ft. over SE. slope.

80.00

Point for the cor. of secs. 35 and 36, T. 29 S., R. 19 E.

Set an iron post, 36 ins. long, 2 1/2 in. diam., 6 ins. in the ground to solid rock, in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T29S R19E

S35 S36

S36

T29S R19E

1928

from which

Draw, drains N.; asc. 20 ft. over E. slope.

Low spur, projects N.; desc. 20 ft. over NW. slope.

Survey Portion of Subdivision T. 12 S., R. 7 W.

Chains

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.

T12S R7W

S 4 | S 3

S 9 | S10

1960

Land, gently rolling desert.

Soil, heavy clay loam and gravel.

Timber, none.

Undergrowth, moderate low sage, blackbrush, greasewood and grass.

N. $0^{\circ} 02'$ E., bet. secs. 3 and 4.

Over nearly level desert land.

10.40 Road, bears N. 64° E. and S. 64° W.; desc. 10 ft.

19.00 Wash, drains N. 80° W.; desc. 10 ft.

39.80 Wash, drains N. 70° W.

40.00 True point for the $\frac{1}{2}$ sec. cor. of secs. 3 and 4 falls on side of wash in unsafe place.

40.20 Point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 3 and 4.

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

T12S R7W

 $\frac{1}{2}$

W C

S 4 | S 3

1960

Deposit charcoal in the hole.

40.70 Wash, drains SW.

45.20 Wash, 30 lks. wide, 5 ft. deep, drains S. 30° W.; asc. 20 ft.

76.30 Road, bears NW. and SE.

79.50 Wash, 30 lks. wide, 5 ft. deep, drains SW.

80.00 Point for the $\frac{1}{16}$ th cor. of secs. 3 and 4.

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

T12S R7W

 $\frac{1}{16}$

S 4 | S 3

80

1960

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

From this cor.

Meadow Creek Well bears S. $38^{\circ} 32' 30''$ E., 17.12 chs. dist.

Survey, Portion of Subdivision, T. 12 S., R. 7 W.

Chains

Asc. 30 ft.

93.74 The cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the Tp., mkd. by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

Land, rolling desert.

Soil, clay loam.

Timber, none.

Undergrowth, moderate low brush.

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., set, mkd. and witnessed as described in the official record.

S. 0° 07' W., bet. secs. 1 and 2.

Over gently rolling desert land, through moderate low brush.

Desc. 10 ft.

11.10 Wash, 10 lks. wide, 3 ft. deep, drains N. 80° W.

13.89 Point for the 1/16th cor. of secs. 1 and 2.

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

T12S R7W

1/16

S 2 | S 1

80

1960

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

Asc. 20 ft.

53.80 Small wash, drains NW.

53.89 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, with brass cap mkd.

T12S R7W

¼

S 2 | S 1

1960

Asc. 20 ft. over gentle N, slope.

69.10 Road, bears N. 80° E. and S. 80° W.

72.80 Calleo-Jericho road, bears S. 67° 20' E. and N. 67° 20' W.; asc. 40 ft. over N. slope.

88.50 Road, bears N. 80° W. and S. 80° E.; asc. 30 ft.

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

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.

Portion of Subdivision, T12S R7W, S. 2, 3, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

Chains

T12S R7W

S 2 | S 1

S11 | S12

1960

Land, rolling desert.

Soil, clay loam and gravel.

Timber, none.

Undergrowth, moderate brush, shadscale and grass.

From the cor. of secs. 2, 3, 34 and 35, on N. bdy. of Tp. 12S, monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

S. 0° 07' W., bet. secs. 2 and 3.

Over nearly level desert land, through moderate brush.

13.81 Point for the 1/16th sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T12S R7W

1/16

S 3 | S 2

80

1960

Desc. 20 ft.

33.50 Wash, 15 lks. wide, 4 ft. deep, drains S. 80° W.; asc. 10 ft.

53.81 Point for the 1/4 sec. cor. of secs. 2 and 3.

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

T12S R7W

1/4

S 3 | S 2

1960

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

Asc. 10 ft.

57.30 Calleo-Jericho road, bears N. 70° E. and S. 70° W.; asc. 50 ft. over N. slope.

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

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 14 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T12S R7W

S 3 | S 2

S10 | S11

1960

Land, rolling desert.

Soil, clay loam and gravel.

Timber, none.

Undergrowth, moderate low brush, shadscale, weeds and grass.

Survey, Portion of Subdivision, T. 12 S., R. 2 W.

Chains	
	From the cor. of secs. 1, 2, 11 and 12. N. 89° 59' W., bet. secs. 2 and 11. Over rolling desert land, through moderate brush. Desc. 30 ft. along rolling N. slope.
39.99	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11. 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. T12S R7W $\frac{1}{4}$ $\frac{S 2}{S 11}$ 1960 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.
41.50	Road, bears N. 70° W. and S. 70° E.; desc. 30 ft. along rolling N. slope.
68.20	Small wash, drains N. 10° W.; desc. 10 ft.
76.40	Wash, drains N. 10° W.; asc. 10 ft.
79.98	The cor. of secs. 2, 3, 10 and 11. Land, rolling desert. Soil, rocky clay loam and gravel. Timber, none. Undergrowth, moderate brush, shadscale and grass.
	From the cor. of secs. 15, 16, 21 and 22. West, bet. secs. 16 and 21. Over rolling desert land, through moderate low brush. Desc. 20 ft.
11.40	Wash, drains S. 20° W.
14.60	Road, bears N. 10° E. and S. 10° W.; desc. 20 ft.
28.80	Wash, 50 lks. wide, 5 ft. deep, drains SW.; desc. 20 ft.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a small mound of stone to top, with brass cap mkd. T12S R7W $\frac{1}{4}$ $\frac{S 16}{S 21}$ 1960 The cor. is located on open brush flat.
41.00	Wash, 8 lks. wide, 4 ft. deep, drains S. 60° W.; desc. 20 ft.

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Survey, Portion of Subdivision, T12S., R.7W.

Chains

- 54.60 Wash, drains SW.; desc. 10 ft.
- 61.70 Wash, drains S. 30° W.; desc. 10 ft.
- 66.20 Wash, drains S. 20° W.; desc. 10 ft.
- 80.00 Point for the cor. of secs. 16, 17, 20 and 21.

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

T12S. R7W

S17|S16

S20|S21

1960

The cor. is located on open brush flat.

Land, rolling desert.
Soil, heavy clay loam and gravel.
Timber, none.
Undergrowth, moderate low brush, shadscale, weeds and grass.

N. 0° 05' E., bet. secs. 16 and 17.

Over rolling desert land, through moderate low brush.

Asc. 20 ft. over gentle S. slope.

- 9.50 Road, bears E. and W.; asc. 40 ft.
- 26.40 Ravine, drains NW., heads about 2.00 chs. SE.

29.00 Pass, bet. two rocky points, bears E. and W.; desc. 50 ft. over NW. 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.

T12S. R7W

¼

S17|S16

1960

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

The cor. is located on NW. slope, near the base of high rocky mountains on the E.

Desc. 50 ft. over gentle NW. slope.

- 64.80 Road, bears N. 20° E. and S. 20° W.
- 67.40 Wash, drains S. 80° W.
- 69.00 Wash, drains S. 80° W.; desc. 20 ft.
- 80.00 Point for the cor. of secs. 8, 9, 16 and 17.

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

Survey, Portion of Subdivis T. 12 S., R. 7 W.

Chains

T12S R7W

S 8 | S 9

S17 | S16

1960

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

Land, rolling desert, mountainous near pass.

Soil, clay loam and gravel.

Timber, none.

Undergrowth, moderate brush, shadscale, weeds and grass.

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

West, bet. secs. 9 and 16.

Over rolling desert land, through moderate low brush.

Asc. 60 ft. over NE. slope.

40.01 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., 6 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T12S R7W

 $\frac{1}{4}$ S 9

S16

1960

The cor. is located on NE. slope of rocky spur.

Asc. 30 ft.

49.70 Rocky spur, slopes N. about 5.00 chs. to end; desc. 90 ft. over rolling land, facing N.

57.80 Ravine, about 2.00 chs. from head, drains NW.; asc. 10 ft.

61.90 Finger spur, slopes N. about 3.00 chs. to end; desc. 110 ft. over general W. slope.

73.50 Road, bears N. 10° E. and S. 10° W.; desc. 10 ft.

80.01 The cor. of secs. 8, 9, 16 and 17.

Land, rolling desert.

Soil, clay loam and gravel.

Timber, none.

Undergrowth, moderate low brush, shadscale, weeds and grass.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 05' E., bet. secs. 32 and 33.

Over nearly level desert land, through moderate low brush.

Asc. 10 ft.

23.60 Wash, 6 lks. wide, 2 ft. deep, drains S. 20° W.; asc. 10 ft.

. Survey, Portion of Subdivision, T₁₂S R₇W.

Chains

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., 22 ins. in the ground, with brass cap mkd.

T₁₂S R₇W $\frac{1}{4}$
S32 | S33

1960

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

Asc. 10 ft.

64.00 Small wash, drains W.; asc. 20 ft.

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

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

T₁₂S R₇W

S29 | S28

S32 | S33

1960

Raise a mound of stone, 3-ft. base, 2 ft. high, W. of the cor.

Land, nearly level desert.

Soil, heavy clay loam.

Timber, none.

Undergrowth, moderate low sage, blackbrush, greasewood, shadscale and grass.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tpt., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 05' E., bet. secs. 31 and 32.

Over nearly level desert land, through moderate brush.

Desc. 10 ft.

8.00 Wash, 12 lks. wide, 5 ft. deep, drains S. 5° W.; asc. 20 ft.

22.40 Small wash, drains S. 10° E.; asc. 10 ft.

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., 22 ins. in the ground, with brass cap mkd.

T₁₂S R₇W $\frac{1}{4}$
S31 | S32

1960

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

49.40 Wash, drains S. 30° E.; asc. 10 ft.

70.50 Wash, drains SE.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Survey - Portion of Subdivision, T. 12 S., R. 7 W.

Chains

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

T12S R7W

 $\frac{1}{4}$ S30 S29

S31 S32

1960

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

Land, rolling desert.

Soil, heavy clay loam.

Timber, none.

Undergrowth, moderate low sage, greasewood, shadscale, blackbrush and grass.

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

West, bet. secs. 29 and 32.

Over nearly level desert land, through moderate low brush.

Desc. 10 ft.

32.50 Small wash, drains S. 10° W.

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

T12S R7W

 $\frac{1}{4}$ S29

S32

1960

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

Asc. 10 ft.

44.70 Small brush covered knoll, about 3.00 chs. in length, bears S. 0.50 lks.; desc. 10 ft.

55.20 Small wash, drains S. 10° W.

58.10 Wash, 6 lks. wide, 2 ft. deep, drains S. 20° E.; desc. 10 ft.

73.40 Wash, drains S. 10° E.

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

Land, rolling desert.

Soil, clay loam and rocky near knoll.

Timber, none.

Undergrowth, moderate low sage, blackbrush, greasewood and grass.

General Description

The land in T. 12 S., R. 7 W. varies from high broken mountains of the Desert Mountain range in the east and central portion, to nearly level desert land throughout the remainder. The soil is rocky clay loam and granite outcrops in the mountain area, and heavy clay loam with gravel subsoil on the desert. The elevation ranges from about 4,650 feet to 6,482 feet above sea level, the lowest point being in the southwest corner of the township. The highest elevation is found

Township 12. South, Range 73 West, Nevada

Chains

in section 14 where U.S.G.S. triangulation station "Trail" is located.

There is scattered juniper along the mountains in the eastern part of the township and moderate scrub juniper on the top in the vicinity of the triangulation station.

There has been some mining activity in the Desert mountains, mostly in the western portion, but at the present time the predominating interest is winter grazing of livestock, as there is a moderate growth of low sage, blackbrush, greasewood, shadscale, weeds and grass throughout the township, but a very limited water supply.

Roads through the area lead to Jericho, Calleo, Dugway, Delta and other numerous points of interest.

4-686
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Paul G. Bauer	Transitman
Dan V. Coleman	Chainman (Notekeeper)
Douglas L. McInelly	Chainman
Arnold Mann	Flagman
Jerald V. Thompson	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Boyd S. Owens, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15th day of October, 1959

I have surveyed the east boundary and a portion of the subdivision of T. 12 S., R. 7 W., and dependently resurveyed the east boundary of T. 12 S., R. 8 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
April 18, 1961

Boyd S Owens
Boyd S. Owens, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAY 3 1962, 19

The foregoing field notes of the survey of the east boundary and a portion of the subdivision of T. 12 S., R. 7 W., and the dependent resurvey of the east boundary of T. 12 S., R. 8 W., Salt Lake Meridian, Utah

executed by Boyd S. Owens, Cadastral Surveyor

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

E. L. Huntington
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.~~