

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of a Portion

of the

Subdivisional Lines

of

Township 1 North, Range 13 West

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Paul K. Russell, Cartographic Survey Aid

Under special instructions dated December 14, 1954, which provided
for the surveys included under Group No. 301, approved December 14, 1954
and assignment instructions dated February 17, 1955

Survey commenced March 2, 1955

Survey completed March 10, 1955

4481

4481

4481

1A

BOOK 4481

INDEX DIAGRAM

Township 1 North, Range 13 West

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Survey of a Portion of the Subdivision of T. 1 N., R. 13 W.

Chains

The south boundary (Gila and Salt River Base Line) was surveyed by Abbey, Gill and Voigt in 1914, the west boundary by W. H. Thorn in 1926, the north and east boundaries by Heister and White in 1941.

The survey was executed with a W. and L. E. Gurley transit, serial No. 481347, equipped with a full vertical circle and an improved Smith-type telescopic solar attachment and conforms to the instrumental specifications of the Bureau of Land Management. The instrument was tested and found to be in good adjustment.

The azimuths of the lines were determined from the azimuth of U.S. C.&G.S. triangulation station Little Horn and supplemented by altitude observations of the sun for azimuth from time to time as the survey progressed.

Measurements were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links, and every 10 links for the remainder of the tape. The tape was tested by comparison with a one-chain standard tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents only are entered in this field note record.

In order to simplify the record the true line notes only are recorded herein, which refer to the completed survey.

The geographic position of the SE. corner of the township is latitude $33^{\circ} 22' 47''$ N., and longitude $113^{\circ} 33' 00''$ W. Magnetic declination $14^{\circ} 45'$ E.

Beginning at the standard cor. of secs. 35 and 36, on the south boundary of the township, a 3 in. iron post, set, mkd. and witnessed as described in the official record of the 1914 survey of the Gila and Salt River Base Line through R. 13 W.

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

Over level desert land, through greasewood and cacti.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

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

$\frac{1}{4}$

S35 | S36

1955

raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

41.10 Old road; bears E. and W.

58.00 Asc. 59 ft. over malpais rock on S. slope.

65.55 Top of ascent; desc. NW. slope.

76.95 Wash, course SW.; thence along 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., 16 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines of T. 1 N., R. 13 W.

Chains

| | |
|------|------|
| T1N | R13W |
| S26 | S25 |
| S35 | S36 |
| 1955 | |

Land, slightly rolling.
Soil, rocky.
Timber, none; undergrowth, cacti and greasewood.

From the true point for the cor. of secs. 25, 30, 31 and 36, which is 1.80 chs. dist. south of the witness cor., described in the official notes of the 1941 survey of the west boundary of T. 1 N., R. 12 W.

S. 89° 59' W., bet. secs. 25 and 36.

Asc. 102 ft. over rocky NE. slope.

11.40 Ridge, bears SE. and NW.; desc. 29 ft. over SW. slope.

24.50 Wash, 30 lks. wide, 4 ft. deep, course SE.; asc. 151 ft. over rocky ENE. slope.

40.09- 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., 14 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

| | |
|---------------|------|
| $\frac{1}{4}$ | S25 |
| | S36 |
| | 1955 |

Asc. 38 ft. over E. slope.

43.00 Ridge, bears N. and SSE.; desc. 135 ft. over W. slope.

54.90 Small wash, course S.; asc. 116 ft. over E. slope.

67.20 Ridge, bears SE. and NW.; desc. 146 ft. over WSW. slope.

69.00 Small wash, course SW.; thence over low rolling land.

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

Land, rolling hills.
Soil, rocky.
Timber, none; undergrowth, greasewood, cacti, and scattering palo verde.

From the cor. of secs. 1, 2, 35 and 36, on the north boundary of the township, a 2 in. iron post, set, mkd. and witnessed as described in the official record of the 1941 survey of the north boundary of T. 1 N., R. 13 W.

S. 0° 01' E., bet. secs. 1 and 2.

Over level desert land, through greasewood.

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

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

| |
|---------------|
| $\frac{1}{4}$ |
| S2 S1 |
| 1955 |

Survey of a Portion of the Subdivisional Lines of T. 1 N., R. 13 W.

Chains
 69.35 raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.
 72.55 Top of low ridge, bears E. and W.; desc. gradually.
 79.96 Bottom of descent; thence over level desert.
 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.

| | |
|------|------|
| T1N | R13W |
| S2 | S1 |
| S11 | S12 |
| 1955 | |

raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.
 Land, level.
 Soil, sandy.
 Timber, none; undergrowth, greasewood.

West, bet. secs. 2 and 11.
 Over level desert land through greasewood.
 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., 22 ins. in the ground, with brass cap mkd.

| | |
|---------------|-----|
| $\frac{1}{4}$ | S2 |
| | S11 |
| 1955 | |

80.00 raise a mound of stone, 3 ft. base, 2 ft. high, N. of corner.
 Point for the cor. of secs. 2, 3, 10 and 11.
 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

| | |
|------|------|
| T1N | R13W |
| S3 | S2 |
| S10 | S11 |
| 1955 | |

raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.
 Land, level desert.
 Soil, sandy.
 Timber, none; undergrowth, greasewood.

40.00 N. $0^{\circ} 02'$ E., bet. secs. 2 and 3.
 Over level desert land, through greasewood.
 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., 22 ins. in the ground, with brass cap mkd.

| | |
|---------------|----|
| $\frac{1}{4}$ | |
| S3 | S2 |
| 1955 | |

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Survey of a Portion of the Subdivisional Lines of T. 1 N., R. 13 W.

Chains

79.87

The cor. of secs. 2, 3, 34 and 35, a 2 in. iron post, set, mkd. and witnessed as described in the official record of the 1941 survey of the N. bdy. of T. 1 N., R. 13 W.

Land, level desert.

Soil, sandy.

Timber, none; undergrowth, greasewood and sage.

From the standard cor. of secs. 33 and 34, on the south boundary of the township, a 3 in. iron post, set, mkd. and witnessed as described in the official record of the 1914 survey of the Gila and Salt River Base Line through R. 13 W.

N. 0° 02' W., bet. secs. 33 and 34.

Descend rocky N. slope, through cacti.

6.00

Enter level desert land.

12.40

Wash, 20 lks. wide, 3 ft. deep, course W.

23.50

Small wash, course NW.

27.30

Wash, 30 lks. wide, 4 ft. deep, course NW.

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

$\frac{1}{4}$

S33 | S34

1955

67.00

Sandy wash, 30 lks. wide, 3 ft. deep, course NW.; asc. 88 ft. over S. slope.

72.40

Ridge, bears E. and W.; desc. 91 ft. over N. slope.

80.00

Point for the cor. of secs. 27, 28, 33 and 34.

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

T1N R13W

S28 | S27

S33 | S34

1955

raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

Land, rolling.

Soil, rocky.

Timber, none; undergrowth, cacti, greasewood, and scattering palo verde.

N. 0° 02' W., bet. secs. 27 and 28.

Over level desert land, through palo verde and cacti.

1.40

Small wash, course NE.

22.80

Wash, 15 lks. wide, 2 ft. deep, course NE.

28.40

Asc. 41 ft. over S. slope.

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Survey of a Portion of the Subdivisional Lines of T. 1 N., R. 13 W.

| | |
|--------|---|
| Chains | |
| 31.00 | Top of low hill, bears W.; desc. 43 ft. over N. slope. |
| 35.40 | Bottom of hill; thence along level land. |
| 40.00 | Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. $\frac{1}{4}$ S28 S27 1955 raise a mound of stone, 3 ft. base, 2 ft. high, W.. of corner. |
| 40.80 | Small wash, course SW. |
| 51.20 | Wash, 15 lks. wide, 3 ft. deep, course SW.; asc. 77 ft. over S. slope of malpais. |
| 57.70 | Top of spur, bears W.; desc. 83 ft. over N. slope. |
| 62.00 | Bottom of descent; thence along level land. |
| 67.60 | Small wash, course SW. |
| 75.00 | Same wash, 30 lks. wide, 5 ft. deep, course SE. |
| 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., 12 ins. in the ground, and in a mound of stone to top, with brass cap mkd. T1N R13W S21 S22 S28 S27 1955 Land, rolling hills. Soil, rocky. Timber, none; undergrowth, greasewood, cacti, and scattering palo verde. |
| | N. 0° 02' W., bet. secs. 21 and 22. Asc. 137 ft. over S. slope, through scattering palo verde and cacti. |
| 6.40 | Ridge, bears E. and W.; desc. 99 ft. over N. slope to level desert land. |
| 12.70 | Wash, 10 lks. wide, 3 ft. deep, course W. |
| 25.80 | Low spur, slopes E.; desc. 71 ft. over N. slope. |
| 32.40 | Small wash, course NE.; thence over level desert. |
| 37.00 | Old road, bears NW. and SE. |
| 40.00 | Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. |

Survey of a Portion of the Subdivisional Lines of T. 1 N., R. 13 W.

Chains

 $\frac{1}{4}$

S21 | S22

1955

raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

50.90

Small wash, course NE.

80.00

Point for the cor. of secs. 15, 16, 21 and 22.

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

T1N R13W

S16 | S15

S21 | S22

1955

raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

Land, rolling in S. 10 chs.; level desert in N. 70.00 chs.
Soil, stony and sandy.

Timber, none; undergrowth, cacti, greasewood, and scattering palo verde.

N. 0° 02' W., bet. secs. 15 and 16.

Over level desert land, through cacti and greasewood.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd. $\frac{1}{4}$

S16 | S15

1955

raise a mound of stone, 3 ft. base, 3 ft. high, W. of corner.

80.00

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

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

T1N R13W

S9 | S10

S16 | S15

1955

raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.

Land, level desert.

Soil, sandy.

Timber, none; undergrowth, cacti, greasewood, and scattering palo verde.

N. 0° 02' W., bet. secs. 9 and 10.

Over level desert land, through cacti and greasewood.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Survey of a Portion of the Subdivisional Lines of T. 1 N., R. 13 W.

| | |
|--------|--|
| Chains | <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">$\frac{1}{4}$ S9 S10 1955</p> <p>raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.</p> <p>80.00 Point for the cor. of secs. 3, 4, 9 and 10.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T1N R13W S4 S3 S9 S10 1955</p> <p>raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.</p> <p>Land, level desert. Soil, sandy. Timber; none; undergrowth, cacti, greasewood, and scattering palo verde.</p> |
| 40.00 | <p>N. $0^{\circ} 05'$ W., bet. secs. 3 and 4.</p> <p>Over level desert land, through cacti and greasewood.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">$\frac{1}{4}$ S4 S3 1955</p> <p>raise a mound of stone, 3 ft. base, 3 ft. high, W. of corner.</p> |
| 79.86 | <p>The cor. of secs. 3, 4, 33 and 34, a 2 ins. iron post, set, mkd. and witnessed as described in the official record of the 1941 survey of the north boundary of T. 1 N., R. 13 W.</p> <p>Land, level desert. Soil, sandy. Timber, none; undergrowth, cacti, greasewood, and scattering palo verde.</p> |
| 40.00 | <p>From the cor. of secs. 15, 16, 21 and 22, hereinbefore described.</p> <p>West, bet. secs. 16 and 21.</p> <p>Over level desert land, through cacti and greasewood.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">$\frac{1}{4}$ S16 S21 1955</p> |

BOOK 4481

Survey of a Portion of the Subdivision of T. 1 N., R. 13 W.

| | | | | | | | |
|---------------|---|---------------|-----------|------|-----|-----|-----|
| Chains | raise a mound of stone, 3 ft. base, 2 ft. high, N. of corner. | | | | | | |
| 56.50 | Small wash, course N. | | | | | | |
| 59.70 | Wash, 10 lks. wide, 2 ft. deep, course N. | | | | | | |
| 63.10 | Wash, 10 lks. wide, 2 ft. deep, course N. | | | | | | |
| 64.70 | Wash, 15 lks. wide, 3 ft. deep, course N. | | | | | | |
| 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., 22 ins. in the ground, with brass cap mkd. | | | | | | |
| | <table style="margin-left: auto; margin-right: auto;"> <tr> <td>TLN</td> <td>R13W</td> </tr> <tr> <td>S17</td> <td>S16</td> </tr> <tr> <td>S20</td> <td>S21</td> </tr> </table> <p style="text-align: center;">1955</p> | TLN | R13W | S17 | S16 | S20 | S21 |
| TLN | R13W | | | | | | |
| S17 | S16 | | | | | | |
| S20 | S21 | | | | | | |
| | raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of corner. Land, level. Soil, sandy. Timber, none; undergrowth, cacti and greasewood. | | | | | | |
| | N. $0^{\circ} 02'$ W., bet. secs. 16 and 17. Over level desert land, through cacti and greasewood. | | | | | | |
| 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., 22 ins. in the ground, with brass cap mkd. | | | | | | |
| | <table style="margin-left: auto; margin-right: auto;"> <tr> <td>$\frac{1}{4}$</td> </tr> <tr> <td>S17 S16</td> </tr> <tr> <td>1955</td> </tr> </table> | $\frac{1}{4}$ | S17 S16 | 1955 | | | |
| $\frac{1}{4}$ | | | | | | | |
| S17 S16 | | | | | | | |
| 1955 | | | | | | | |
| | raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of corner. | | | | | | |
| 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., 22 ins. in the ground, with brass cap mkd. | | | | | | |
| | <table style="margin-left: auto; margin-right: auto;"> <tr> <td>TLN</td> <td>R13W</td> </tr> <tr> <td>S8</td> <td>S9</td> </tr> <tr> <td>S17</td> <td>S16</td> </tr> </table> <p style="text-align: center;">1955</p> | TLN | R13W | S8 | S9 | S17 | S16 |
| TLN | R13W | | | | | | |
| S8 | S9 | | | | | | |
| S17 | S16 | | | | | | |
| | raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner. Land, level desert. Soil, sandy. Timber, none; undergrowth, cacti and greasewood. | | | | | | |
| | From the cor. of secs. 9, 10, 15 and 16, heretofore described. S. $89^{\circ} 58'$ W., bet. secs. 9 and 16. Over level desert land, through cacti and greasewood. | | | | | | |
| 40.00 | Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16. | | | | | | |

Survey of a portion of the Subdivisional Lines of T. 1 N., R. 13 W.

Chains

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

$$\frac{1}{4} \frac{S9}{S16}$$

1955

raise a mound of stone, 3 ft. base, 3 ft. high, N. of corner.

40.30 Wash, 15 lks. wide, 3 ft. deep, course NE.

80.00 The cor. of secs. 8, 9, 16 and 17.

Land, level desert.

Soil, sandy.

Timber, none; undergrowth, cacti and greasewood.

General Description

The line between secs. 35 and 36, between secs. 25 and 36, and the south two miles of the north and south center line, lies in the foothills of the Little Horn Mountains. The soil is sandy, but covered intermittently with large malpais boulders.

The other lines surveyed are all in flat desert country covered with cacti and greasewood. The general drainage is north, and most of the washes have a growth of palo verde scattered along the sides of the wash.

