

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

BOOK 4318

Book F

FIELD NOTES

of

The Survey of the South Boundary

and

A Portion of the East Boundary

and

A Portion of the Subdivisional Lines

Completing the Subdivision of

Township 6 North, Range 11 West

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

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General Land Office.

Under special instructions dated October 29, 1941, which provided
for the surveys included under Group No. 234, bearing the approval of the
Commissioner of the General Land Office under date of November 7, 1941
and assignment instructions dated December 22, 1941 and
January 16, 1942.

Survey commenced January 9, 1942.

Survey completed January 31, 1942.

4318

1A

BOOK 4318

INDEX DIAGRAM.

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T. 6 N., R. 11 W.

Chains

The surveys herein described were executed with Gurley solar transits Nos. 371537 and 371535, and Buff solar transit No. 16730. The instruments were in good condition and having been placed in satisfactory adjustment prior to the beginning of the survey and tested and found free from appreciable error, were approved by the District Cadastral Engineer, conditional upon satisfactory field tests, on the following dates: December 22, 1941, and January 16, 1942.

The directions of the lines were determined by the solar transit method. The measurements were made with Lallie and Dietzgen steel tapes, 5 chs. in length, graduated every link for the first 100 links and the balance at intervals of 10 links. The tapes were tested by comparison with a Lufkin standard and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained with clinometers in good adjustment; the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions give the geographic position of the SE. cor. of T. 6 N., R. 11 W. as: latitude $33^{\circ} 48' 42''$ N., and longitude $113^{\circ} 20' 30''$ W.

January 7, 1942, in camp in the NW. $\frac{1}{4}$ of sec. 26, T. 6 N., R. 11 W., latitude $33^{\circ} 50\frac{1}{2}'$ N., and longitude $113^{\circ} 22\frac{1}{2}'$ W., I make an hour angle observation on Polaris, east of the meridian, making six observations, three each with the telescope in direct and reversed positions, reading the deflection angles from the east edge of a rock ledge on top of a ridge about 40 chs. to the south, counter clockwise to Polaris.

Local mean time of observation----- 2h 11m 30s p.m.
 Mean horizontal angle----- $178^{\circ} 52'$
 Azimuth of Polaris----- $1^{\circ} 07' E.$

True bearing of reference point---- S. $0^{\circ} 01' E.$

January 8, 1942, at the same station, at hourly intervals from 7:30 to 10:30 a.m. and 1:30 to 5 p.m., we make the proper settings on the arcs of Gurley solar transit No. 371537, and Buff solar transit No. 16730 and ascertain that the resulting orientation of each instrument, when compared with the meridian established by Polaris observation, has a maximum error of less than $1' 30''$.

January 20, 1942, at the same station, at hourly intervals from 7:30 to 10:30 a.m. and 1:30 to 5 p.m., I make the proper settings on the arcs of Gurley solar transit No. 371535, and ascertain that the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a maximum error of less than $1' 30''$.

The instruments were tested at frequent intervals and maintained in satisfactory adjustment throughout the survey.

East. Boundary. of T. 6 N., R. 11 W.

Chains

The cor. of secs. 7, 12, 13, and 18 is an iron post, 3 ins. diam., 12 ins. above ground, set, marked and witnessed as described in the official record.

Thence

South, bet. secs. 13 and 18.

Ascend 53 ft. over a gradual NW. slope, through scattering timber and undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to solid rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

	 $\frac{1}{2}$	
S 13		S 18
	1942	

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

Ascend 77 ft. over a N. slope.

48.90 Foot of steep ascent, bears E. and W.; asc. 208 ft. over a N. slope.

55.60 Spur, slopes N. 75° W.; descend 127 ft. over a S. slope.

56.05 Two strand wire fence, bears N. 75° W. and S. 75° E.

61.30 Foot of steep descent, enter rolling land, bears N. 70° W. and S. 70° E.; descend 23 ft. along a gentle W. slope.

68.50 Dim road, bears N. 70° W. and SE.

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

	T6N	
R11W		R10W
S 13		S 18
S 24		S 19
	1942	

from which

An ironwood, 5 ins. diam., bears S. 60° W., 30 lks. dist., mkd. T 6 N R 11 W S 24 B T.

No other suitable bearing trees available.

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

Land, nearly level; rolling, and mountainous.

Soil, sandy and gravelly, 3d and 4th rate.

Timber, ironwood and mesquite; undergrowth, greasewood, sagebrush, ocotillo, cacti, and cats claw.

East Boundary of T. 6 N., R. 11 W.

Chains

South, bet. secs. 19 and 24.

Over rolling land, through scattering timber and undergrowth; descend 10 ft. along a W. slope.

1.40 Wash, 20 lks. wide, course W.; asc. 193 ft. over a gradual NW. slope.

7.30 Road, bears N. 60° W. and SE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground to solid rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\begin{array}{c} \uparrow \\ \text{S 24} \mid \text{S 19} \\ 1942 \end{array}$$

from which

An ironwood, 4 ins. diam., bears S. 6 $\frac{1}{2}$ ° E., 21 lks. dist., marked $\frac{1}{4}$ S 19 B T.

An ironwood, 6 ins. diam., bears N. 14 $\frac{1}{2}$ ° W., 139 lks. dist., marked $\frac{1}{4}$ S 24 B T.

Descend slightly along a W. slope.

43.30 Wash, 15 lks. wide, course N. 50° W.; asc. 332 ft. over a NW. slope.

73.10 Low spur, slopes N. 30° W.; desc. 15 ft.

74.70 Head of ravine, drains N. 30° W.; ascend 80 ft. over a broken N. slope.

79.50 Rocky ravine, drains N. 40° W.; asc. 10 ft. over a N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., over a cross (+) chiseled on solid rock at S. edge of granite boulder, 25 ft. square and 5 ft. high, and in a mound of stone to top, for cor. of secs. 19, 24, 25, and 30, with brass cap mkd.

$$\begin{array}{c} \text{T6N} \\ \text{R11W} \mid \text{R10W} \\ \text{S 24} \mid \text{S 19} \\ \text{S 25} \mid \text{S 30} \\ 1942 \end{array}$$

Land, rolling.

Soil, sandy and rocky, 3d and 4th rate.

Timber, palo verde and ironwood; undergrowth, greasewood, sage, ocotillo, cats claw, cacti, and mountain mahogany.

East Boundary of T. 6 N., R. 11 W.

Chains

South, bet. secs. 25 and 30.

Over mountainous land, through scattering timber and undergrowth; ascend 254 ft. over a broken N. slope.

10.30 Spur, slopes NW.; asc. 210 ft. over a NW. slope.

18.40 Spur, slopes NW.; ascend 246 ft. along a W. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, over a cross (+) chiseled on solid rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
$$\begin{array}{c} \frac{1}{4} \\ | \\ S\ 25 \quad | \quad S\ 30 \\ | \\ 1942 \end{array}$$

from which

A mahogany, 5 ins. diam., bears S. 12° E., 163 lks. dist., marked $\frac{1}{4}$ S 30 B T.A mahogany, 5 ins. diam., bears S. 32° W., 137 lks. dist., marked $\frac{1}{4}$ S 25 B T.

Ascend 43 ft. along a W. slope.

42.70 Ravine, drains N. 20° W. from SW.; asc. 417 ft. over a steep N. slope.

52.90 Spur, slopes N. 20° W., 4.00 chs. dist. to toe; asc. 76 ft. over a NW. slope.

56.50 Ravine, drains N. 20° W.; ascend 704 ft. over a N. slope.

72.30 Spur, slopes NW.; ascend 91 ft. over a NW. slope.

78.60 Point of low spur, sloping from SE.; descend 10 ft. along a W. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 25, 30, 31, and 36, with brass cap mkd.

$$\begin{array}{c} T6N \\ R11W \quad | \quad R10W \\ \hline S\ 25 \quad | \quad S\ 30 \\ \hline S\ 36 \quad | \quad S\ 31 \end{array}$$

1942

of stone, 4 ft. base, 3 ft. high, W. of cor. raise a mound

Land, mountainous.

Soil, rocky, 4th rate.

Timber, palo verde and mahogany; undergrowth, mountain mahogany, ocotillo, cats claw, cacti, and oak brush.

East Boundary of T. 6 N., R. 11 W.

Chains

South, bet. secs. 31 and 36.

Along a W. slope, over mountainous land, through scattering timber and heavy undergrowth.

- 1.50 Ravine, drains NW.; asc. 297 ft. over a N. slope.
- 10.00 Rocky spur, slopes NW.; along precipitous, broken W. slope.
- 31.50 Steep rocky spur, slopes W.; desc. 223 ft. over a SW. slope.
- 40.00 The true point for the $\frac{1}{4}$ sec. cor. falls in the bottom of a steep ravine draining W., where it is impracticable to monument the cor.; ascend 230 ft. over a precipitous NW. slope.
- 48.65 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for witness $\frac{1}{4}$ sec. cor., with brass cap mkd.

W C
 $\frac{1}{4}$
 S 36 | S 31
 1942

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

This witness cor. is on a short, rocky spur, slopes NW.

Ascend 30 ft. along a precipitous W. slope.

- 52.00 Head of ravine, drains NW.; ascend 420 ft. over a N. slope.
- 66.30 Top of steep ascent, bears N. 75° E. and W.; ascend 26 ft.
- 70.10 Short spur, slopes NE.; ascend 21 ft. over a NE. slope.
- 75.20 Ridge and main divide of Harquahala Mountains, bears W. and S. 30° E.; old telephone line (one wire) on top of ridge, same bearing; descend slightly over a SW. slope.
- 77.80 Top of steep descent, bears N. 75° W. and SE.; desc. 79 ft. over a steep S. slope.
- 79.65 Graded trail, bears E. and W.
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 28 ins. in the ground, for cor. of Ts. 5 and 6 N., Rs. 10 and 11 W., with brass cap mkd.

T6N
 R11W | R10W
 S 36 | S 31
 S 1 | S 6
 T5N
 1942

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

Land, rough mountainous.

Soil, rocky, 3d and 4th rate.

Timber, mountain mahogany; undergrowth, oak brush, cats claw, and cacti.

South Boundary of T. 6 N., R. 11 W.

Chains

From the cor. of Ts. 5 and 6 N., Rs. 10 and 11 W.

West, on a random line setting temporary corners at 40.00 chain intervals.

478.25

A point 42 lks. N. of the true point for the cor. of Ts. 5 and 6 N., Rs. 11 and 12 W., as determined from the witness cor. which bears W., 50 lks. dist.; a quartzite stone, 8x6 ins., 5 ins. above ground, marked WC 12W 5N, with 6 grooves on each of the E. and W. faces, a small mound of stone is S. of cor.

At point for cor.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, with the original stone buried alongside, for witness cor. of Ts. 5 and 6 N., Rs. 11 and 12 W., with brass cap mkd.

T6N	
R12W	R11W
S 36	S 31
S 1	S 6

WC

T5N

1942

raise a mound

of stone, 3 ft. base, 2 ft. high, S. of cor.

It is now found practical to monument the Tp. cor. at its true point, therefore at a point E., 50 lks. dist. from the witness cor.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, for cor. of Ts. 5 and 6 N., Rs. 11 and 12 W., with brass cap mkd.

T6N	
R12W	R11W
S 36	S 31
S 1	S 6

T5N

1942

raise a mound

of stone, 3 ft. base, 2 ft. high, S. of cor.

Thence

N. 89° 57' E., on true line, bet. secs. 6 and 31.

Ascend 16 ft. over rolling land, through scattering timber and undergrowth.

24.65

Wash, 20 lks. wide, course N. 25° W.; asc. 24 ft.

38.25

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$	S 31
	S 6
	1942

raise a mound

of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Ascend 35 ft. over a gradual NW. slope.

South Boundary of T. 6 N., R. 11 W.

Chains											
66.80	Wash, 30 lks. wide, course NW.; asc. 32 ft.										
78.25	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 5, 6, 31, and 32, with brass cap mkd.										
	<table style="margin: auto;"> <tr><td colspan="2">T6N R11W</td></tr> <tr><td>S 31</td><td>S 32</td></tr> <tr><td>S 6</td><td>S 5</td></tr> <tr><td colspan="2">T5N</td></tr> <tr><td colspan="2">1942</td></tr> </table>	T6N R11W		S 31	S 32	S 6	S 5	T5N		1942	
T6N R11W											
S 31	S 32										
S 6	S 5										
T5N											
1942											
	raise a mound of stone, 3 ft. base, 1½ ft. high, W. of cor.										
	Land, rolling and broken desert. Soil, gravelly and sandy, 2nd and 3d rates. Timber, palo verde and ironwood; undergrowth, greasewood, sagebrush, cats claw, cacti, and ocotillo.										

	N. 89° 57' E., on true line bet. secs. 5 and 32.										
	Over rolling land, through scattering timber and undergrowth; asc. 13 ft. along a N. slope.										
4.75	Wash, 10 lks. wide, course N. 10° W.; asc. 42 ft. over a NW. slope.										
16.20	Wash, 20 lks. wide, course N. 15° W.; ascend 22 ft. along a N. slope.										
28.60	Wash, 15 lks. wide, course N., ascend 27 ft. along a N. slope.										
33.70	Low, wide spur, slopes N. 10° W.; desc. 33 ft. over a NE. slope.										
40.00	The true point for the ¼ sec. cor. falls in the bottom of a wash, drains NW., where it is impracticable to monument the cor.										
41.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground to solid rock, and in a mound of stone to top, for witness ¼ sec. cor., with brass cap mkd.										
	<table style="margin: auto;"> <tr><td>WC ¼</td><td>S 32</td></tr> <tr><td></td><td>S 5</td></tr> <tr><td></td><td>1942</td></tr> </table>	WC ¼	S 32		S 5		1942				
WC ¼	S 32										
	S 5										
	1942										
	raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.										
	Ascend 64 ft. over a SW. slope.										
47.92	From this point U.S. Mineral Monument No. 4120 bears N. 30° 22' W., 6.60 chs. dist.; a galvanized iron pipe, 2½ ins. diam., 10 ft. high, mkd. U.S.M.M. No. 4120 on E. and W. faces, firmly set in a mound of stone, 6 ft. base, located on top of a round, rocky knoll, about 100 ft. high.										
52.50	Spur, slopes N.; descend 39 ft. over an E. slope.										

South Boundary of T. 6 N., R. 11 W.

Chains

- 56.50 Wash, 20 lks. wide, course N. 10° W.; asc. 55 ft. over a W. slope.
- 61.20 Low, wide spur, slopes NW.; desc. 34 ft. over a NE. slope.
- 66.00 Wash, 20 lks. wide, course N. 20° W.; asc. 57 ft. along a broken N. slope.
- 74.70 Road, bears N. 15° W. and south.
- 77.20 Wash, 30 lks. wide, course N. 10° E.; ascend 13 ft. along a gentle N. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 4, 5, 32, and 33, with brass cap mkd.

T6N R11W	
S 32	S 33
S 5	S 4
T5N	
1942	

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

Land, rolling and broken desert.
Soil, gravelly and sandy 2nd and 3d rates.
Timber, palo verde; undergrowth, greasewood, sagebrush, ocotillo, cacti, and cats claw.

N. 89° 57' E., on true line bet. secs. 4 and 33.

Over rolling land, through scattering timber and undergrowth; asc. 21 ft. along a gentle N. slope.

- 13.40 Wash, 25 lks. wide, course N. 15° W.; asc. 57 ft. over a SW. slope.
- 18.80 Spur, slopes NW.; descend 58 ft. over a NE. slope.
- 24.00 Wash, 20 lks. wide, course N. 30° W.; ascend 114 ft. along a broken S. slope.
- 36.00 Spur, slopes NW.; a round knoll bears N. 5° W., 1.50 chs. dist.; along N. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼	S 33
	S 4
	1942

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

Ascend 63 ft. along a N. slope.

- 58.70 Wash, 30 lks. wide, course N. 15° W.; ascend 61 ft. over a NW. slope.
- 70.30 Foot of steep ascent, bears N. 30° W. and S. 10° E.; ascend 185 ft. over a W. slope.

South Boundary of T. 6 N., R. 11 W.

Chains

78.40 Spur, slopes N. 30° W.; ascend 13 ft. along a N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 3, 4, 33, and 34, with brass cap mkd.

T6N R11W	
S 33	S 34
S 4	S 3
T5N	
1942	

raise a mound
of stone, 4 ft. base, 3 ft. high, W. of cor.

Land, rolling desert and mountainous.

Soil, sandy and rocky, 3d and 4th rates.

Timber, palo verde; undergrowth, greasewood, sangre de cristo, mountain mahogany, cacti, and cats claw.

N. 89° 57' E., on true line bet. secs. 3 and 34.

Over mountainous land, through scattering timber and dense undergrowth; ascend 30 ft. along a N. slope.

6.90 Steep hillside ravine, drains N. 10° W.; ascend 171 ft. over a NW. slope.

12.40 A brush corral bears N. 7½° W.

12.60 Spur, slopes N. 20° W.; descend 30 ft. along a N. slope.

18.50 Ravine, drains N. 25° W.; asc. 100 ft. over NW. slope.

24.20 Ravine, drains N., about 6 chs. dist., thence N. 30° W.; ascend 36 ft.

25.90 Rocky spur, slopes N. 10° W., about 8 chs. dist., thence NW.; descend 140 ft. along a N. slope.

37.40 Ravine, drains N. 10° E.; asc. 30 ft. along a N. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap mkd.

¼	S 34
	S 3
	1942

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

From cor. brush corral bears N. 41½° W.; W. of corral, about 1.50 chs. dist., is a well, about 18 ft. deep.

Ascend 12 ft.

41.10 Ravine, drains N. 10° W.; asc. 47 ft. along a N. slope.

64.00 Wash, 20 lks. wide, course N. 10° W.; ascend 382 ft. over a broken NS. slope.

75.10 Spur, slopes N. 20° W.; asc. 154 ft. along a precipitous N. slope.

South Boundary of T. 6 N., R. 11 W.

Chains

79.30 Top of broken cliffs, bears NE. and S.; ascend slightly along a N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, over a cross (+) chiseled on solid rock, and in a mound of stone to top, for cor. of secs. 2, 3, 34, and 35, with brass cap mkd.

T6N R11W	
S 34	S 35
S 3	S 2

T5N

1942

from which

A granite rock, 8x5 ft., 6 ft. high, bears S. 64° E., 82 lks. dist., marked B0 + S2.

A granite rock, 9x6 ft., 4 ft. high, bears N. 75° W., 10 lks. dist., marked B0 + S34.

Land, mountainous.

Soil, rocky, 3d and 4th rates.

Timber, palo verde; undergrowth, mountain mahogany, sangre de cristo, oak brush, cats claw, ocotillo, and cacti.

N. 89° 57' E., on true line bet. secs. 2 and 35.

Descend 46 ft. along a N. slope, through scattering timber and dense undergrowth.

6.35 Steep ravine, drains N., about 6 chs. dist., thence N. 30° W.; ascend 28 ft. along a N. slope.

7.50 Spur, slopes N., about 6 chs. dist., thence N. 20° W.; descend 90 ft. over a NE. slope.

11.20 Ravine, drains N.; asc. 40 ft. along a precipitous N. slope.

14.65 Spur, slopes N. 10° E.; descend 95 ft. over a NE. slope.

19.20 Ravine, drains N. 30° E.; descend 47 ft. along a N. slope.

30.60 Wash, 20 lks. wide, course NW.; ascend 264 ft. over a W. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$	S 35
	S 2

1942.

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

Cor. is on spur, slopes SW., about 5 chs. dist. to toe; ascend 69 ft. over a SW. slope.

45.60 Ravine, drains SW.; asc. 548 ft. over a rocky W. slope.

South Boundary of T. 6 N., R. 11 W.

1018

Chains

- 61.20 Spur, slopes SW.; descend 26 ft. along a S. slope.
- 63.60 Head of ravine, drains SW.; ascend 211 ft. over a W. slope.
- 68.00 Spur, slopes SW.; asc. 196 ft. over a SW. slope.
- 73.20 Spur, slopes N. 30° W.; descend 102 ft. along a N. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock, with a stone mkd. with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 1, 2, 35, and 36, with brass cap mkd.

T6N R11W	
S 35	S 36
S 2	S 1
T5N	
1942	

Land, rough mountainous.
Soil, rocky, 3d and 4th rates.
Timber, palo verde; undergrowth, mountain mahogany, oak brush, sangre de cristo, cats claw and cacti.

N. 89° 57' E., on true line bet. secs. 1 and 36.

Descend 29 ft. along a precipitous N. slope, through dense undergrowth.

- 1.60 Ravine, drains N. 10° W.; ascend 251 ft. over a NW. slope.
- 7.60 Spur, slopes N. 15° W.; ascend 31 ft. along a precipitous N. slope.
- 10.10 Ravine, drains N. 15° W.; ascend 253 ft. over a NW. slope.
- 15.35 Long spur, slopes N. 10° E.; descend 125 ft. over NE. slope.
- 18.80 Head of ravine; drains NE.; desc. 201 ft. over a NE. slope.
- 29.40 Ravine, drains NE.; descend 26 ft. along a precipitous N. slope.
- 34.10 Spur, slopes N. 20° E.; descend 163 ft. over a NE. slope.
- 38.50 Ravine, drains N. 30° E.; ascend 46 ft. along a N. slope.
- 39.30 Spur, slopes N. 30° E.; descend 12 ft. along a N. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$	S 36
	S 1
	1942

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

Descend 45 ft. along a precipitous N. slope.

South Boundary of T. 6 N., R. 11 W.

Chains	
42.00	Spur, slopes NE.; descend 109 ft. over a NE. slope.
46.10	Ravine, drains N. 10° W.; ascend 70 ft. over a W. slope.
47.70	Spur, slopes N. 15° W., 2 chs. dist. to toe; a mine shaft bears S. 20° W., 4 chs. dist.; a cabin bears N. 30° E., 8 chs. dist.; ascend 47 ft. along a N. slope.
50.30	Ravine, drains N. 60° W.; ascend 870 ft. over a rocky W. slope.
52.90	Trail, at curve, bears N. 20° W. and S. 10° W.
55.50	A mine tunnel bears S. 10° E., about 1.50 chs. dist., and a mine shaft bears S. 50° E., 4.50 chs. dist.
56.50	Trail, at curve, bears N. 75° W. and S. 20° E.
61.60	Trail, at curve, bears N. 30° W. and S. 10° E.; a prospect hole bears S. 10° E., about 5 chs. dist.
71.40	Main divide of Harquahala Mountains, bears S. 20° W. and NE.; a deep saddle bears S. 20° W., about 7 chs. dist.; ascend 117 ft. along a S. slope.
73.00	Same trail, bears SE. and NW., about 1.50 chs. dist., thence E.
80.00	The cor. of Ts. 5 and 6 N., Rs. 10 and 11 W. Land, rough mountainous. Soil, rocky, 3d and 4th rates. Timber, none; undergrowth, mountain mahogany, oak brush, sangre de cristo, cats claw, and cacti.
----- Subdivisional Lines of T. 6 N., R. 11 W. -----	
	From the cor. of secs. 29, 30, 31, and 32, which is an iron post, 2 ins. diam., set, mkd., and witnessed as described in the official record.
	South, on a random line, bet. secs. 31 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.37	Intersect S. bdy. of Tp., 11 $\frac{1}{2}$ lks. E. of the cor. of secs. 5, 6, 31, and 32.
	Thence
	N. 0° 05' E., on true line bet. secs. 31 and 32.
	Over rolling land, through scattering timber and undergrowth; descend 26 ft. over a gentle NW. slope.
7.30	Wash, 10 lks. wide, course N. 60° W.; desc. 10 ft. over a gentle NW. slope.
19.80	Wash, 15 lks. wide, course W.; desc. 21 ft. over a NW. slope.
40.37	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

Subdivisional Lines of T. 6 N., R. 11 W.

Chains	
	$\begin{array}{c} \frac{1}{4} \\ \\ \text{S } 31 \text{ S } 32 \\ \\ 1942 \end{array}$
	raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Descend 15 ft. over a NW. slope.
43.90	Wash, 30 lks. wide, course N. 80° W.; asc. 15 ft.
45.00	Low, wide spur, slopes NW.; descend 24 ft.
58.30	Wash, 40 lks. wide, course W.; descend 23 ft.
60.20	Road, bears NW. and SE.
77.40	Wash, 10 lks. wide, course N. 60° W.; ascend 14 ft.
80.37	The cor. of secs. 29, 30, 31, and 32.
	Land, rolling desert. Soil, gravelly and sandy, 2nd and 3d rates. Timber, palo verde; undergrowth, greasewood, ocotillo, cats claw, sage, and cacti.

	From the cor. of secs. 20, 21, 28, and 29, which is an iron post, 2 ins. diam., set, mkd., and witnessed as described in the official record.
	S. 0° 02' E., bet. secs. 28 and 29.
	Over nearly level desert land, through scattering timber and undergrowth; ascend 30 ft. over a gentle NW. slope.
28.80	Wash, 20 lks. wide, course NW.; ascend 32 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground to solid rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{c} \frac{1}{4} \\ \\ \text{S } 29 \text{ S } 28 \\ \\ 1942 \end{array}$
	from which
	A palo verde limb, 4 ins. diam., bears N. 23 $\frac{1}{4}$ ° E., 86 lks. dist., marked $\frac{1}{4}$ S 28 BT.
	A palo verde, 5 ins. diam., bears S. 83 $\frac{3}{4}$ ° W., 18 $\frac{2}{3}$ lks. dist., marked $\frac{1}{4}$ S 29 BT.
	Along a gentle W. slope.
42.70	Wash, 40 lks. wide, course N. 20° W. from SE.; ascend 45 ft. over a gentle NW. slope.
47.50	Dim road, bears SE. and N. 20° W.
68.30	Wash, 30 lks. wide, course N. 70° W.; ascend slightly.

Subdivisional Lines of T. 6 N., R. 11 W.

Chains

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, with brass cap mkd.

T6N R11W	
S 29	S 28
S 32	S 33
1942	

from which.

A palo verde, 5 ins. diam., bears N. $56\frac{1}{2}^{\circ}$ E., 183 lks. dist., marked T6N R11W S28 BT.

An ironwood, 14 ins. diam., bears S. $59\frac{1}{4}^{\circ}$ E., 279 lks. dist., marked T6N R11W S33 BT.

An ironwood limb, 9 ins. diam., bears S. $39\frac{3}{4}^{\circ}$ W., 150 lks. dist., marked T6N R11W S 32 BT.

An ironwood limb, 8 ins. diam., bears N. $62\frac{1}{2}^{\circ}$ W., 30 lks. dist., marked T6N R11W S29 BT.

Land, nearly level desert.

Soil, gravelly and sandy, 2nd and 3d rates.

Timber, palo verde and ironwood; undergrowth, greasewood, cacti, ocotillo, and cats claw.

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

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line, $11\frac{1}{2}$ lks. S. of the cor. of secs. 29, 30, 31, and 32.

Thence

S. $89^{\circ} 58'$ E., on true line, bet. secs. 29 and 32.

Over gently rolling land sloping NW., through scattering timber and undergrowth.

17.70 Dim road, bears N. 20° W. and S. 20° E.

40.01 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, with a stone marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$	S 29
	S 32
	1942

Ascend slightly over a gentle NW. slope.

57.70 Wash, 20 lks. wide, course N. 10° W.

78.50 Wash, 50 lks. wide, course NW. from S. 10° E.

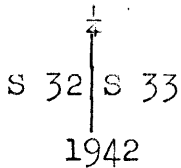
80.02 The cor. of secs. 28, 29, 32, and 33.

Land, gently rolling desert.

Soil, gravelly and sandy, 3d rate.

Timber, palo verde and ironwood; undergrowth, greasewood, cacti, ocotillo, and cats claw.

Subdivisional Lines of T. 6 N., R. 11 W.

Chains	
	S. 0° 05' W., on a random line, bet. secs. 32 and 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.33	Intersect S. bdy. of Tp. at the cor. of secs. 4, 5, 32, and 33.
	Thence
	N. 0° 05' E., on true line, bet. secs. 32 and 33.
	Over gently rolling land, through scattering timber and undergrowth; descend 48 ft. over N. slope.
17.30	Wash, 40 lks. wide, course N. 20° W. from S. 5° W., 3 chs. dist. thence from S.; descend slightly.
23.50	Wash, 10 lks. wide, course N. 85° W., 5 chs. dist. to junction with wash draining NW.; desc. 35 ft.
31.50	Dim road, bears N. 70° W. and S. 70° E.
40.33	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	
	raise a mound
	of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Descend slightly over a gentle NW. slope.
51.20	Wash, 30 lks. wide, course N. 30° W.; descend 54 ft. over a gentle NW. slope.
75.60	Road, bears W. and NE.
77.60	Wash, 40 lks. wide, course N. 10° W.; descend slightly.
80.33	The cor. of secs. 28, 29, 32, and 33.
	Land, gently rolling desert. Soil, gravelly and sandy, 3d rate. Timber, palo verde and ironwood; undergrowth, greasewood, cacti, ocotillo, and cats claw.

	From the true point for the cor. of secs. 21, 22, 27, and 28, as determined from the witness cor. which bears N. 0° 02' W., 60 lks. dist.; an iron post, 2 ins. diam., set, mkd., and witnessed as described in the official record.
	S. 0° 02' E., bet. secs. 27 and 28.
	Over gently rolling desert land, through scattering timber and undergrowth.
0.15	Dry sand wash, 30 lks. wide, course N. 30° W. from S. 10° E.; ascend 14 ft. over a gentle S. slope.
10.00	Same wash, 25 lks. wide, course N. 30° E.; ascend 24 ft. over a gentle S. slope.
20.60	Same wash, 50 lks. wide, course N. 20° W. from S. 20° W.; ascend 35 ft. over a N. slope.

Subdivisional Lines of T. 6 N., R. 11 W.

Chains	
40.00	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{c} \frac{1}{4} \\ \\ S\ 28\ S\ 27 \\ \\ 1942 \end{array}$
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Descend slightly.
42.20	Wash, 20 lks. wide; course N. 30° W. for about 4 chs. dist. to junction with another wash, thence northerly; ascend 71 ft. over a NW. slope.
74.20	Wash, 30 lks. wide, course N. 75° W. about 4 chs. dist., thence northerly; ascend 29 ft. over a N. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock; with a stone marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 27, 28, 33, and 34, with brass cap mkd.
	$\begin{array}{c} T6N\ R11W \\ \hline S\ 28\ S\ 27 \\ \hline S\ 33\ S\ 34 \\ 1942 \end{array}$
	Land, rolling desert. Soil, rocky and sandy, 3d rate. Timber, palo verde and ironwood; undergrowth, greasewood, cacti, sage, ocotillo, and cats claw.

	S. $89^{\circ} 57'$ W., on a random line, bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.84	Intersect N. and S. line, 7 lks. S. of cor. of secs. 28, 29, 32, and 33.
	Thence
	East, on true line, bet. secs. 28 and 33.
	Ascend slightly over a gentle NW. slope, through scattering timber and undergrowth.
6.80	Road, bears SW. and NE.
13.70	Wash, 15 lks. wide, course N., about 5 chs. dist. to junction with wash draining N. 30° W.; along N. slope.
15.10	Wash, 20 lks. wide, course N. 30° W.; asc. 71 ft. over a gentle NW. slope.
39.92	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground to solid rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

Subdivisional Lines of T. 6 N., R. 11 W.

Chains	
	$\frac{1}{4} \frac{S\ 28}{S\ 33}$ 1942
	raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
	Ascend 68 ft. over a gentle W. slope.
55.05	Road, bears NW. and SE.
72.60	Shallow saddle in spur, slopes N. 10° W.; desc. 16 ft. over an E. slope.
79.20	Wash, 30 lks. wide, course N. 20° W.; ascend 10 ft.
79.84	The cor. of secs. 27, 28, 33, and 34.
	Land, rolling desert. Soil, rocky and sandy, 3d rate. Timber, palo verde and ironwood; undergrowth, greasewood, cacti, cats claw, and ocotillo.

	S. 0° 02' E., on a random line, bet. secs. 33 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.30	Intersect the S. bdy. of the Tp. at the cor. of secs. 3, 4, 33, and 34.
	Thence
	N. 0° 02' W., on true line, bet. secs. 33 and 34.
	Descend 103 ft. over a NE. slope, through scattering timber and undergrowth.
4.00	Ravine, drains NW.; desc. 120 ft. over a NW. slope.
20.80	Ravine, drains W.; ascend 152 ft. over a SW. slope.
26.70	Spur, slopes N. 70° W., saddle in spur bears S. 70° E., about 5 chs. dist.; desc. 240 ft. over a NE. slope.
40.30	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked.
	$\frac{1}{2}$ $S\ 33 \mid S\ 34$ 1942
	raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Leave mountainous land and enter rolling land, bears NW. and SE.; desc. 28 ft. over a NE. slope.
43.25	Short ravine, drains E.; descend 83 ft. along an E. slope.
52.75	Bend in road, bears N. 20° E. and S. 20° E.
65.00	Same road, bears S. 30° E. and N. 30° W.
67.70	Enter wash, 40 lks. wide, course N. from S. 5° E.; descend slightly along wash.

Subdivisional Lines of T. 6 N., R. 11 W.

Chains	
76.70	Leave wash, course N. 5° W.; ascend slightly.
80.30	The cor. of secs. 27, 28, 33, and 34.
	Land, N. $\frac{1}{2}$ rolling; S. $\frac{1}{2}$ mountainous. Soil, rocky and sandy, 3d rate. Timber, palo verde and ironwood; undergrowth, greasewood, cacti, ocotillo, and cats claw.
	----- From the cor. of secs. 14, 15, 22, and 23, which is an iron post, 2 ins. diam., set, mkd., and witnessed as described in the official record.
	Thence
	S. 0° 01' E., bet. secs. 22 and 23.
	Over nearly level land, through scattering timber and undergrowth; asc. 73 ft. over a gradual N. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to solid rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{c} \frac{1}{4} \\ \uparrow \\ \text{S } 22 \mid \text{S } 23 \\ \downarrow \\ 1942 \end{array}$
	from which
	An ironwood, 4 ins. diam., bears N. 48° E., 76 lks. dist., marked $\frac{1}{4}$ S23 BT.
	An ironwood limb, 3 ins. diam., bears N. 36° W., 98 lks. dist., marked BT.
	Ascend 43 ft. over a gradual N. slope.
66.00	Wash, 15 lks. wide, course N. 20° W.; ascend slightly over rolling land.
72.45	Road, bears NW. and S. 30° E. to mine cabin in sec. 26.
76.85	Wash, 40 lks. wide, course N. 30° W.; ascend 21 ft. over a NE. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to solid rock, and in a mound of stone to top, for cor. of secs. 22, 23, 26, and 27, with brass cap mkd.
	$\begin{array}{c} \text{T6N R11W} \\ \text{S } 22 \mid \text{S } 23 \\ \hline \text{S } 27 \mid \text{S } 26 \\ 1942 \end{array}$
	from which
	An ironwood, 4 ins. diam., bears N. 39 $\frac{1}{2}$ ° E., 45 lks. dist., marked T6N R11W S23 BT.
	An ironwood limb, 4 ins. diam., bears S. 77° E., 257 lks. dist., marked BT.

Subdivisional Lines of T. 6 N., R. 11 W.

Chains	An ironwood, 7 ins. diam., bears S. 53 $\frac{1}{4}$ ° W., 61 lks. dist., marked T6N R11W S27 BT.
	An ironwood, 4 ins. diam., bears N. 38° W., 188 lks. dist., mkd. BT.
	Land, N. 66.00 chs. nearly level; S. 14.00 chs. rolling. Soil, gravelly and sandy, 2nd and 3d rates. Timber, ironwood and palo verde; undergrowth, greasewood, sage, cacti, and ocotillo.
	----- S. 89° 58' W., on a random line, bet. secs. 22 and 27.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line 7 lks. S. of the true point for the cor. of secs. 21, 22, 27, and 28.
	Thence
	S. 89° 59' E., on true line, bet. secs. 22 and 27.
	Ascend slightly along a gentle N. slope, through scattering timber and undergrowth.
14.45	Road, bears N. 10° E. and S. 10° W.
32.40	Wash, 40 lks. wide, course N.; asc. 16 ft. along a gentle N. slope.
40.02	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4} \frac{S \ 22}{S \ 27}$ 1942
	of stone, 3 ft. base, 2 ft. high, N. of cor. raise a mound
	Descend slightly.
43.10	Wash, 25 lks. wide, course N. 20° W.; ascend 110 ft. over a gentle NW. slope.
76.00	Low spur, slopes NW. from S.; descend slightly.
80.04	The cor. of secs. 22, 23, 26, and 27.
	Land, rolling desert. Soil, rocky and sandy, 2nd and 3d rate. Timber, palo verde and ironwood; undergrowth, greasewood, ocotillo, sage, and cacti.
	----- S. 0° 01' E., bet. secs. 26 and 27.
	Ascend 27 ft. over a rolling NE. slope, through scattering timber and undergrowth.
12.00	Enter mountainous land, bears W. and S. 30° E.; ascend 39 ft. over a NE. slope.

Subdivisional Lines of T. 6 N., R. 11 W.

Chains	
17.45	Low spur, slopes NW., about 4 chs. dist., thence N.; descend 60 ft. over a SW. slope.
29.30	Ravine, drains NW.; ascend 248 ft. over a NE. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{c} \frac{1}{4} \\ \\ S\ 27\ \ S\ 26 \\ \\ 1942 \end{array}$
	raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Ascend 232 ft. over a NE. slope.
47.30	Spur, slopes N. 60° W.; descend 165 ft. over a SW. slope.
54.50	Sidehill ravine, drains W.; ascend 18 ft. along a W. slope.
67.40	Wash, 10 lks. wide, course N. 60° W.; ascend 43 ft. over a NW. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock, with a stone marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 26, 27, 34, and 35, with brass cap mkd.
	$\begin{array}{c} T6N\ R11W \\ S\ 27\ \ S\ 26 \\ S\ 34\ \ S\ 35 \\ 1942 \end{array}$
	from which
	A granite boulder, 8x5 ft., 5 ft. high, bears S. 6 $\frac{1}{2}$ ° W., 45 lks. dist., marked B R X S34.
	Land, N. 12.00 chs. rolling; S. 68.00 chs. mountainous. Soil, rocky, 3d rate. Timber, palo verde and ironwood; undergrowth, greasewood, sage, ocotillo, and cacti.

	N. 89° 59' W., on a random line bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	The cor. of secs. 27, 28, 33, and 34.
	Thence
	S. 89° 59' E., on true line bet. secs. 27 and 34.
	Ascend slightly along a N. slope, through scattering timber and undergrowth.
8.20	Wash, 30 lks. wide, course NW.; ascend 126 ft. over a NW. slope.
33.65	Wash, 15 lks. wide, course N., 1.50 chs. dist., to junction with wash draining NW.; ascend slightly along a N. slope.
35.75	Wash, 15 lks. wide, course NW.; ascend slightly.

Subdivisional Lines of T. 6 N., R. 11 W.

Chains	
37.00	Foot of steep ascent, enter mountainous land, bears NW. and S. 75° E.; ascend 38 ft. over a NW. slope.
40.01	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4} \begin{array}{r} S 27 \\ S 34 \\ \hline 1942 \end{array}$
	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
	Ascend 178 ft. over a SW. slope.
51.30,	Spur, slopes N.; saddle in spur is S., 100 lks. dist.; descend 87 ft. over a NE. slope.
70.00	Foot of steep descent, bears N. 30° W. and S. 30° E.; descend 48 ft. along a gentle N. slope.
76.60	Wash, 30 lks. wide, course N. 30° W.; ascend 27 ft. over a NW. slope.
80.02	The cor. of secs. 26, 27, 34, and 35.
	Land, W. 37 chs. rolling; E. 43 chs. mountainous. Soil, rocky and sandy, 3d rate. Timber, palo verde; undergrowth, greasewood, sage, cacti, and ocotillo.
	----- S. 0° 01' E., on a random line bet. secs. 34 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
65.15	Chaining impracticable beyond this point due to a series of broken cliffs along a N. slope.
	Flag on S. bdy. of Tp., at the cor. of secs. 2, 3, 34, and 35, bears S. 0° 01' E., vertical angle = +18 $\frac{1}{2}$ °; auxillary flag at end of base line bears N. 78° 09' W., 4.000 chs. dist., from which the cor. of secs. 2, 3, 34, and 35, bears S. 13° 46' E.
	Dist. on random line = 65.15 chs. Dist. by triangulation = 15.17 Total distance = 80.32 chs.
80.32	Intersect the S. bdy. of the Tp., at the cor. of secs. 2, 3, 34, and 35.
	Thence
	N. 0° 01' W., on true line bet. secs. 34 and 35.
	Descend 317 ft. over a precipitous N. slope, through scattering timber and undergrowth.
15.17	Descend 265 ft. over a N. slope.
25.20	Ravine, drains NW.; ascend 43 ft. over a SW. slope.

Subdivisional Lines of T. 6 N., R. 11 W.

Chains	
31.70	Spur, slopes N. 60° W.; saddle in spur bears S. 60° E., about 3 chs. dist.; descend 112 ft. over a NE. slope.
40.32	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Descend 15 ft. over a N. slope.
41.65	Ravine, drains NW.; asc. 237 ft. over a SW. slope.
54.80	Spur, slopes NW.; saddle in spur bears SE., about 2 chs. dist.; descend 360 ft. over a NE. slope.
66.40	Foot of steep descent, bears NW. and SE.; descend 68 ft. over a N. slope.
76.50	Wash, 30 lks. wide, course N. 30° W.; descend slightly over a NW. slope.
80.32	The cor. of secs. 26, 27, 34, and 35. Land, mountainous. Soil, rocky and sandy, 3d rate. Timber, palo verde; undergrowth, greasewood, sage, cacti, and cats claw.
	----- From the cor. of secs. 13, 14, 23, and 24, which is an iron post, 2 ins. diam., set, mkd., and witnessed as described in the official record.
	N. 89° 58' E., on a random line bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.22	Intersect E. bdy. of Tp. 5 lks. S. of the cor. of secs. 13, 18, 19, and 24.
	Thence
	S. 89° 56' W., on true line bet. secs. 13 and 24.
	Over nearly level land, through scattering timber and undergrowth; descend 12 ft. over a gentle W. slope.
2.70	Wash, 25 lks. wide, course N. 60° W.; descend slightly over a gentle NW. slope.
6.90	Road, bears NW. and SE. to Alta Mine.
16.00	Wash, 30 lks. wide, course NW.; descend slightly along a gentle N. slope.
40.11	Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to solid rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

Subdivisional Lines of T. 6 N., R. 11 W.

Chains

$$\frac{1}{4} \begin{array}{c} \text{S } 13 \\ \hline \text{S } 24 \\ 1942 \end{array}$$

of stone, 3 ft. base, 1½ ft. high, N. of cor. raise a mound

Descend 63 ft. along a gentle N. slope.

80.22 The cor. of secs. 13, 14, 23, and 24.

Land, nearly level desert.

Soil, gravelly and sandy, 2nd and 3d rates.

Timber, ironwood and palo verde; undergrowth, greasewood, sage, ocotillo, cats claw, and cacti.

S. 0° 01' E., bet. secs. 23 and 24.

Over nearly level land, through scattering timber and undergrowth; ascend slightly over a gentle NW. slope.

10.00 Wash, 20 lks. wide, course N. 80° W.; ascend gentle NW. slope.

21.00 Wash, 30 lks. wide, course NW., 1 ch. dist., thence N.; ascend slightly over a gentle NW. slope.

38.10 Wash, 20 lks. wide, course N. 20° W.; ascend slightly.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap mkd.

$$\frac{1}{4} \begin{array}{c} \text{S } 23 \mid \text{S } 24 \\ \hline 1942 \end{array}$$

from which

An ironwood limb, 3 ins. diam., bears S. 62½° E., 119 lks. dist., marked BT.

An ironwood, 4 ins. diam., bears S. 69½° W., 73 lks. marked ¼ S23 BT.

Ascend slightly over a gentle NW. slope.

53.60 Wash, 40 lks. wide, course N. 5° W., 7 chs. dist., thence N. 30° W.; ascend 41 ft. over a N. slope.

57.60 Foot of steep ascent, enter mountainous land, bears W. and SE.; ascend 557 ft. over a N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock, with a stone marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 23, 24, 25, and 26, with brass cap mkd.

$$\begin{array}{c} \text{T6N R11W} \\ \text{S } 23 \mid \text{S } 24 \\ \hline \text{S } 26 \mid \text{S } 25 \\ 1942 \end{array}$$

from which

Subdivisional Lines of T. 6 N., R. 11 W.

Chains	
	<p>A granite rock, 12x8 ft., 6 ft. high, bears N. 45° E., 7 lks. dist., marked B R + S 24.</p> <p>No suitable bearing trees available.</p> <p>Land, N. 53 chs., nearly level desert; S. 27 chs., mountainous.</p> <p>Soil, rocky and sandy, 3d rate.</p> <p>Timber, ironwood and palo verde; undergrowth, greasewood, cacti, and ocotillo.</p> <p>-----</p> <p>S. 89° 58' W., on a random line, bet. secs. 23 and 26.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line, 14 lks. S. of the cor. of secs. 22, 23, 26, and 27.
	Thence
	S. 89° 56' E., on true line bet. secs. 23 and 26.
	Descend slightly over rolling land, through scattering timber and undergrowth.
2.35	Wash, 40 lks. wide, course N. 35° W.; ascend slightly along a broken N. slope.
6.60	Road, bears N. 35° W. and S. 35° E. to mine cabin.
37.20	Wash, 40 lks. wide, course N. 20° W., enter mountainous land, bears N. and SE.; ascend 77 ft. over a SW. slope.
39.99	Set an iron post, 3 ft. long, 1 in. diam., over a cross (+) chiseled on solid rock, and in a mound of stone to top, with 7 ft. base, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4} \frac{S 23}{S 26}$ <p>1942</p>
	Ascend 207 ft. over a SW. slope.
40.15	The NE. cor. of a miner's cabin bears S. 12° W.; the NE. cor. of a garage bears S. 11° W.; and the NE. cor. of a corral bears S. 14° W.
44.80	Spur, slopes NW., about 15 chs. dist. to toe; ascend 43 ft. along a N. slope.
57.60	Spur, slopes N. 30° W., about 25 chs. dist. to toe; descend 240 ft. over a NE. slope.
69.15	Ravine, drains N.; ascend 277 ft. over a NW. slope.
79.98	The cor. of secs. 23, 24, 25, and 26.
	<p>Land, W. 37 chs., rolling desert; E. 43 chs., mountainous.</p> <p>Soil, rocky, 3d and 4th rates.</p> <p>Timber, ironwood and palo verde; undergrowth, greasewood, cacti, and sage.</p> <p>-----</p>

Subdivisional Lines of T. 6 N., R. 11 W.

Chains	
	N. 89° 56' E., on a random line bet. secs. 24 and 25.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect E. bdy. of Tp. 14 lks. N. of the cor. of secs. 19, 24, 25, and 30.
	Thence
	N. 89° 58' W., on true line bet. secs. 24 and 25.
	Over mountainous land, through scattering timber and medium undergrowth; ascend 18 ft. along a N. slope.
3.70	Point of short spur sloping from S. 30° E.; descend 49 ft. along a broken N. slope.
10.10	Ravine, drains N.; ascend 91 ft. over a NE. slope.
15.50	Spur, slopes N. 15° W.; descend 69 ft. over a NW. slope.
24.70	Spur, slopes NW., about 8 chs. dist. to toe; descend 167 ft. over a W. slope.
28.40	Rocky ravine, drains N. 10° E.; ascend 224 ft. over a NE. slope.
36.90	Spur, slopes N.; descend 75 ft. over a NW. slope.
40.05	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4} \frac{S \ 24}{S \ 25}$ 1942
	raise a mound
	of stone, 3 ft. base, 2 ft. high, N. of cor.
	Descend 184 ft. over a NW. slope.
51.80	Ravine, drains N. 20° W.; ascend 107 ft. over a NE. slope.
58.80	Spur, slopes N.; descend 198 ft. over a NW. slope.
70.70	Ravine, drains N.; ascend 247 ft. over a NE. slope.
79.80	Spur, slopes N.; descend slightly.
80.10	The cor. of secs. 23, 24, 25, and 26.
	Land, mountainous.
	Soil, rocky, 3d and 4th rates.
	Timber, palo verde; undergrowth, greasewood, cacti, sage, and cats claw.

	S. 0° 01' E., bet. secs. 25 and 26.
	Ascend 434 ft. over a N. slope, along top of spur sloping northerly, through scattering timber and undergrowth.
28.30	Spur, slopes NW.; descend 237 ft. over a SW. slope.
28.34	The NE. cor. of a miners' cabin bears S. 82 $\frac{1}{2}$ ° W.; the NE. cor. of garage bears S. 81 $\frac{1}{2}$ ° W.; and the NE. cor. of corral bears S. 84 $\frac{3}{4}$ ° W.

Subdivisional Lines of T. 6 N., R. 11 E.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S 26 | S 25
 1942

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

Descend 102 ft. over a SW. slope.

57.70 Ravine, drains NW.; ascend 17 ft. over a NW. slope.

60.40 Wash, 40 lks. wide, course N. 30° W.; ascend 104 ft. over a broken NW. slope.

73.10 Long wash, 60 lks. wide, course N. 20° W.; ascend 21 ft.

73.70 One wire telephone line, bears N. 80° W., about 1.50 chs. dist. to miners cabin, and S. 80° E., about 3 chs. dist., thence SE. to top of Harquahala Mountain.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 25, 26, 35, and 36, with brass cap mkd.

T6N. R11W
 S 26 | S 25
 S 35 | S 36
 1942

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

Land, mountainous.

Soil, rocky, 3d and 4th rates.

Timber, palo verde; undergrowth, greasewood, cacti, and sage.

N. $89^{\circ} 56'$ W., on a random line bet. secs. 26 and 35.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line, 21 lks. N. of the cor. of secs. 26, 27, 34, and 35.

Thence

N. $89^{\circ} 55'$ E., on true line bet. secs. 26 and 35.

Ascend 188 ft. over a NW. slope, through scattering timber and undergrowth.

24.45 Ravine, drains NW.; ascend 437 ft. over a SW. slope.

39.99 Set an iron post, 3 ft. long, 1 in. diam., over a cross (+) chiseled on solid rock, with a stone marked with a cross (+) at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

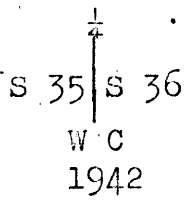
Subdivisional Lines of T. 6 N., R. 11 W.

Chains	
	$\frac{1}{4} \frac{S\ 26}{S\ 35}$ 1942
	Cor. is on long spur, slopes N. 35° W.; ascend 71 ft. along a broken N. slope.
49.60	Top of steep descent, bears NW. and SE.; descend 354 ft. over a NE. slope.
69.00	Ravine, drains N. from S. 20° W.; desc. 19 ft. along a N. slope.
71.00	Trail, bears NW. to cabin, and SE. to top of Harquahala Mountain.
79.98	The cor. of secs. 25, 26, 35, and 36. Land, mountainous. Soil, rocky, 3d rate. Timber, palo verde; undergrowth, greasewood, sage, cacti, and cats claw.

	S. 89° 58' E., on a random line bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor. As chaining is impracticable beyond this point due to a precipitous SW. slope, I proceed ahead to a point on line, vertical angle = +22 $\frac{1}{4}$ °, from which a flag S. 0° 01' E., 54.57 chs. dist. from the cor. of secs. 25, 26, 35, and 36, bears S. 51° 57' W.
69.69	To triangulation point on random line, resume chaining.
80.10	Intersect E. bdy. of Tp., 9 lks. N. of cor. of secs. 25, 30, 31, and 36. Thence N. 89° 54' W., on true line, bet. secs. 25 and 36. Descend 27 ft. over a W. slope, through scattering timber and undergrowth.
1.95	Ravine, drains N. 30° W.; ascend 32 ft. over a NE. slope.
9.20	Long spur, slopes N. 30° W.; descend slightly.
10.40	Top of cliff, 75 ft. high, faces SW.; descend 953 ft. over a precipitous SW. slope.
40.05	Set an iron post, 3 ft. long, 1 in. diam., 2 ins. in the ground to solid rock, with a stone marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4} \frac{S\ 25}{S\ 36}$ 1942
	Descend 537 ft. over a NW. slope.

Subdivisional Lines of T. 6 N., R. 11 W.

Chains	
71.20	Top of high bluff, bears NW. and SE.; descend 260 ft. over a SW. slope.
76.90	One wire telephone line, (now abandoned) bears NW. to cabin and SE. to top of Harquahala Mountain.
79.40	Wash, 60 lks. wide, course N. 20° W.; ascend slightly.
80.10	The cor. of secs. 25, 26, 35, and 36. Land, mountainous. Soil, rocky, 3d and 4th rates. Timber, palo verde; undergrowth, greasewood, cacti, and sage.

	S. 0° 01' E., on a random line bet. secs. 35 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect S. bdy. of Tp. 10 lks. W. of cor. of secs. 1, 2, 35, and 36. Thence N. 0° 05' W., on true line bet. secs. 35 and 36. Over mountainous land, through scattering timber and dense undergrowth; descend 258 ft. over a N. slope.
6.00	Steep ravine, drains N. 5° W.; descend 383 ft. over a NW. slope.
17.70	Steep ravine draining from SE. to W., about 1 ch. dist. to junction with ravine draining N. 5° W.; asc. 52 ft. over a SW. slope.
25.40	Long spur, slopes N. 15° W.; descend 316 ft. over a NE. slope.
36.30	Enter steep ravine, drains N. from S. 10° E.; descend 100 ft. along bottom of ravine.
39.60	Leave ravine, drains N. 5° E.; descend slightly along a NE. slope.
40.04	True point for $\frac{1}{4}$ sec. cor. falls on edge of exposed ledge, where it is impracticable to monument the cor.
40.14	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, with a stone marked with a cross (+) deposited at base, and in a mound of stone to top, for witness $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$  S 35 S 36 W C 1942
	Descend 304 ft. over a NE. slope, through scattering undergrowth.

Subdivisional Lines of T. 6 N., R. 11 W.

Chains

- 51.30 Ravine, drains N. 30° W.; descend 341 ft. over a NW. slope.
- 70.40 Trail, bears N. 30° W. and S. 20° E. to top of Harquahala Mountain.
- 80.04 The cor. of secs. 25, 26, 35, and 36.
- Land, mountainous.
Soil, rocky, 3d and 4th rates.
Timber, palo verde; undergrowth, greasewood, cacti, and sage.

Final Test of Solar Attachments.

February 1, 1942, in camp in the NW. $\frac{1}{4}$ of sec. 26, T. 6 N., R. 11 W., at hourly intervals from 7:30 to 10:30 a.m. and 1:30 to 5 p.m., we make the proper settings on the arcs of the solar attachments and ascertain that the resulting orientation of each instrument, when compared with the meridian established by Polaris observation has a maximum error of less than 1' 30".

General Description.

The portion of this township, subdivided as described in the foregoing field notes, is situated on the southeasterly slope of Mc Mullen Valley and on the northwesterly slope of the Harquahala Mountains. The land varies from nearly level desert in the valley to rough mountainous in the mountains in the SE. corner of the township, and ranges in elevation from 2000 to 5600 ft. above sea level.

The drainage system consists of dry washes, draining northwesterly into Centennial Wash. There are no permanent flowing streams of water and no springs.

The soil is generally clay and sandy texture, 2nd rate in the northern portion to rocky land, 3d and 4th rates in the southern part of the township.

There is a scattering growth of ironwood and palo verde timber, which has no commercial value except for fuel. The undergrowth consists of a scattering growth of greasewood, sagebrush, cats claw, and oak brush, and numerous varieties of cacti, throughout the area surveyed at this time. There is a fair growth of native grass which is suitable for winter grazing.

U.S. Highway Nos. 60 and 70 enters the township near the cor. of secs. 1 and 12 on the east, and extends northeasterly and southwesterly, nearly parallel to, and approximately $\frac{1}{2}$ mile south of the Santa Fe R. R. There are no other improved roads in the township, but several desert roads cross the area embraced in this survey.

There are no settlers in this portion of the township at this time. The only improvements are: a miner's cabin, garage and corral near the center of sec. 26; and a corral and a dug well in sec. 34, which were tied in.

T. 6 N., R. 11 W.

Chains

U.S.M.M. No. 4120, which is located in sec. 32, is tied to a placer claim in secs. 4 and 9, T. 5 N., R. 11 W. No evidence of valuable mineral deposits was observed in the township during the progress of the survey.

The average of a considerable number of readings over all parts of the township gives a value of $15^{\circ} 10'$ E. for the mean magnetic declination.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FIELD ASSISTANTS

NAMES	CAPACITY
Lynn Ferrell	Principal Assistant
Robert M. Warren	" "
C. Richard Blount	Chainman
Mike Knezevich	"
John Boggs	"
Ralph L. Lee	"
Glen L. Snyder	"
Ralph L. Lee	Flagman
Garland H. Garrett	Flagman
Gladwin Gregory	Axeman

32

100714310

CERTIFICATE OF SURVEYOR

We, Raymond F. Moss, Assistant Cadastral Engineer, Bert E. Wakeman, Sr. Engineering Aide and G. Marvin Litz, Jr. Cadastral Engineer, General Land Office, HEREBY CERTIFY upon honor that, in

pursuance of special instructions bearing date of the 29th day of October, 1941,

received from the district cadastral engineer for Arizona, with assignment

instructions dated December 22, 1941, we have surveyed the South boundary and part, (completion) of the East boundary and part, (completion) subdivisional lines of Township 6 North, Range 11 West,

of the Gila and Salt River Meridian, in the State of Arizona, 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.

Phoenix, Arizona, January 31, 1942

Phoenix, Arizona, August 29, 1942

Glendale, California, Sept. 21, 1942.

Raymond F. Moss, Assistant Cadastral Engineer. Bert E. Wakeman, Sr. Engineering Aide. G. Marvin Litz, Jr. Cadastral Engineer.

CERTIFICATE OF APPROVAL General Land Office

OFFICE OF SUPERVISOR OF SURVEYS,

Denver, Colorado, April 16, 1945.

The foregoing field notes of the survey of the South boundary and part, (completion) East boundary and part (completion) subdivisional lines of Township 6 North, Range 11 West, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Raymond F. Moss, Assistant Cadastral Engineer, Bert E. Wakeman, Sr. Engineering Aide and G. Marvin Litz, Jr. Cadastral Engineer under special instructions dated October 29, 1941, for Grp. No. 234, Ariz, and assignment instructions dated December 22, 1941 and January 16, 1942, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

[Signature] Supervisor of Surveys.

~~CERTIFICATE OF TRANSCRIPT~~

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

~~Supervisor of Surveys~~