

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE

BOOK 4317

Book D

# FIELD NOTES

of the

Dependent Resurvey and Survey of the

East Boundary of Township 5 North, Range 12 West,

and of the

Dependent Resurvey and Survey of a

Portion of the Subdivisional Lines,

Completing the Survey of

Township 5 North, Range 12 West.

Of the Gila and Salt River Meridian,

In the State of Arizona.

### EXECUTED BY

G. Marvin Litz, Junior Cadastral Engineer,

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 January 16, 1942.

Survey commenced March 4, 1942.

Survey completed May 2, 1942.

4317

1A

BOOK 4317

# INDEX DIAGRAM.

Township 5 North, Range 12 West.

6	5	4	3	2	1	8
7	8	9	10	11	12	7
18	17	16	15	14	13 12	5
19	20	21	22	23	11 24 13	4
30	29	28	27	26	10 25 9	2
31	32	33	34	35	36	1

T. 5 N., R. 12 W.

Chains

The resurveys and surveys herein described were executed with Gurley solar transit No. 371535.

For description of instruments and equipment used, see the field notes of T. 6 N., R. 11 W., surveyed under this group.

March 1, 1942, in camp in the NW. 1/4 of sec. 26, T. 6 N., R. 11 W., on the meridian described in the field notes of T. 6 N., R. 11 W., between the hours of 7:30 to 10:30 a.m. and 1:30 to 5 p.m., I make the proper settings on the arcs of the solar attachment 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 instrument was tested at frequent intervals and maintained in satisfactory adjustment throughout the survey.

From data furnished with the special instructions the geographic position of the SE. cor. of T. 5 N., R. 12 W. was determined to be: latitude 33° 43' 29" N., and longitude 113° 26' 45" W.

Preliminary to the resurveys the lines of the original survey are retraced and all cors. found. The retracement data are thoroughly verified and, to gain simplification, only the true line field notes are recorded herein.

Resurvey of a Portion of the E. Bdy. of T. 5 N., R. 12 W.

Reestablishment of the survey executed by J.F. Hesse, Deputy Surveyor, in 1909.

From the standard cor. of Tps. 5 N., Rs. 11 and 12 W.; described in the field notes of the 1st Stan. Par. N., thru R. 11 W., resurveyed under this group.

N. 0° 02' W., on a true line, along the E.bdy. of sec. 36.

Over rolling desert land sloping SW., thru scattered palo verde and ironwood and medium undergrowth.

25.10 Wash, 4 ft. deep, 20 lks. wide, course SW.

39.15 At this point, which is 40.00 chs. in latitude from the NW. cor. of sec. 31; hereinafter described,

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, and in a mound of stone, 5 ft. base to top, for 1/4 sec. cor. of sec. 31 only, of R. 11 W., with brass cap mkd.

1/4  
S 31

1942

40.08 The 1/4 sec. cor., which is a stone, 16x12 ins., 4 ins. above ground, mkd. 1/4 on W. face, with a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

As this cor. now serves for sec. 36 only,

At point for cor.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, with the old cor. stone buried alongside, and in a mound of stone, 4 ft. base, to top, for 1/4 sec. cor. of sec. 36 only, of R. 12 W., with brass cap mkd.

## Resurvey of a Portion of the E. Bdy. of T. 5 N., R. 12 W.

Chains																
	$S \ 36 \frac{1}{2}$ 1942															
	Thence,															
	N. 0° 06' W., on true line, along the E. bdy. of sec. 36.															
11.15	Wash, 2 ft. deep, 10 lks. wide, course SW.															
21.15	Wash, 3 ft. deep, 15 lks. wide, course SW.															
28.40	Wash, 3 ft. deep, 10 lks. wide, course SW.															
29.60	Desert road, bears E. and W.; asc. 135 ft. over a SE. slope.															
39.07	At this point, which is due west of the cor. of secs. 29, 30, 31 and 32, of R. 11 W.; described in the field notes of the subdivision of T. 5 N., R. 11 W., surveyed under this group,  Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, and in a mound of stone, 6 ft. base, to top, for cor. of secs. 30 and 31 only, of R. 11 W., with brass cap mkd.															
	<table border="0"> <tr><td></td><td>T5N</td><td></td></tr> <tr><td>T5N</td><td> </td><td>S 30</td></tr> <tr><td>R12W</td><td> </td><td>S 31</td></tr> <tr><td>S 36</td><td> </td><td>R11W</td></tr> <tr><td></td><td></td><td>1942</td></tr> </table>		T5N		T5N		S 30	R12W		S 31	S 36		R11W			1942
	T5N															
T5N		S 30														
R12W		S 31														
S 36		R11W														
		1942														
40.18	The cor. of secs. 25, 30, 31, and 36, which is a cross (+), with 5 grooves N. and 1 groove S. of cross, mkd. on the top of a pointed outcropping of rock, 1x10 ft., 8 ft. above ground.  As this cor. now serves for secs. 25 and 36 only,  I add the marks S25 and S36, NW. and SW. of the cross respectively, for the cor. of secs. 25 and 36 only, of R. 12 W.  Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.  Land, rolling desert; soil, 3rd and 4th rates. Timber, palo verde and ironwood. Undergrowth, creosote brush, ocotillo and cacti.															
Survey of a Portion of the E. Bdy. of T. 5 N., R. 12 W.																
	N. 0° 03' W., on random line, along the E. bdy. of the Tp. setting temp. $\frac{1}{4}$ sec. cors. and sec. cors. at regular intervals of 40.00 chs. and 80.00 chs.															
161.17	A point 41 lks. W. of the cor. of secs. 13, 18, 19, and 24.  I return to the cor. of secs. 25 and 36.  Thence,  N. 0° 06' E., on true line, along the E. bdy. of sec. 25.  Over mountainous land; asc. 300 ft. over broken SE. slope.															
9.10	Spur, slopes SE.; desc. 230 ft. over rough, rocky NE. slope.															
21.20	Wash, 3 ft. deep, 10 lks. wide, course SE.; asc. 355 ft. over rocky SE. slope.															
38.25	Top of short rocky spur, slopes E.; desc. 50 ft.															
38.89	At this point, which is 40.00 chs. in lat. from the SW. Cor. of sec. 30, R. 11 W.,															

## Survey of a Portion of the E. Bdy. of T. 5 N., R. 12 W.

## Chains.

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for  $\frac{1}{4}$  sec. cor. of sec. 30 only, of R. 11 W., with brass cap mkd.

|  
 $\frac{1}{4}$   
 S 30

1942

from which

A cross (+) and B0 S30, which I mark on the vertical face of an outcropping, 15 ft. high, bearing E. and W., bears S.34 $\frac{1}{2}$ °E., 22 lks. dist.

39.975 The true point for  $\frac{1}{4}$  sec. cor. of sec. 25, which is midway in lat. bet. the NE. and SE. cors. of sec. 25, falls in a wash, course E., a place unsuitable for a permanent cor.

40.45 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, and in a mound of stone, 2 $\frac{1}{2}$  ft. base, to top, for witness  $\frac{1}{4}$  sec. cor. of sec. 25 only, of R. 12 W., with brass cap mkd.

|  
 $\frac{1}{4}$   
 S 25  
 W C  
 1942

from which

A palo verde, 8 ins. diam., bears S.83°W., 29 lks. dist., mkd. WC  $\frac{1}{4}$ S25 BT.

Asc. over broken, rough, E. slope, 250 ft.

50.15 Wash, course SE.; asc. 200ft. over broken cliffs.

51.15 Top of cliffs, bear E. and W.; thence along wash, 20 lks. wide, course S., and bet. precipitous walls of ravine.

53.65 Leave wash, course S. from NW.

60.30 Same wash, course SW.; asc. 250 ft. over broken, rocky SE. slope.

78.89 At this point, which is 80.00 chs. in lat. from the SW. cor. of sec. 30, R. 11 W.,

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, and in a mound of stone, 4 ft. base, to top, for cor. of secs. 19 and 30 only, of R. 11 W., with brass cap mkd.

| T5N  
 T5N | S 19  
 R12E | S 30  
 S 25 | R11W  
 1942

79.95 At this point, which is S. 89°50'E., 40.71 chs. dist., from the  $\frac{1}{4}$  sec. cor. of secs. 24 and 25; hereinafter described,

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 24 and 25 only, of R. 12 W.; with brass cap mkd.

| T5N  
 S 24 | T5N  
 S 25 | R11W  
 R12W | S 19  
 1942

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

Survey of a Portion of the E. Bdy. of T. 5 N., R. 12 W.

Chains

Land, very broken and rough, mountainous.  
Soil, 4th. rate.  
Timber, palo verde and ironwood.  
Undergrowth, creosote brush, ocotillo and cacti.

N. 0° 06'E., on true line, along E. bdy. sec. 24.

Over mountainous land; desc. 115 ft. over NE. slope.

3.80 Wash, 30 lks. wide, 3 ft. deep, course SE.; asc. 215 ft. over SW. slope.

10.75 Spur, slopes SE.; asc. 360 ft. along E. slope of spur.

25.40 Spur, slopes SE.

26.25 Top of cliff, bears N.60°W. and S.60°E.; desc. 255 ft.

28.95 Wash at foot of cliff, course S.80°E.; asc. 75 ft.

36.20 Wash, 4 ft. deep, 10 lks. wide, course E.; asc. 50 ft. over S. slope.

38.20 Spur, slopes SE.

38.94 At this point, which is 40.00 chs. in lat. from the SW. cor. of sec. 19, R.11 W.

Set an iron post, 3 ft. long, 1 in. diam., over a cross (+), mkd. on bedrock, and in a mound of stone, 5 ft. base, to top, for 1/4 sec. cor. of sec. 19 only, of R.11 W., with brass cap mkd.

1/4  
S 19

1942

Desc. 35 ft.

40.61 At this point, which is midway in lat., bet. the NE. and SE. cors. of sec. 24, R.12 W.,

Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, over a cross (+), mkd. on bedrock, and in a mound of stone, 4 ft. base, to top, for 1/4 sec. cor. of sec. 24 only, of R.12 W., with brass cap mkd.

1/4  
S 24

1942

Cor. stands on top of an outcrop, 8 ft. high; desc. 30 ft.

41.15 Outcrop, 15 ft. high, bears NW. and S.10°E.; desc. 480 ft. over broken NE. slope.

63.95 Wash, 10 lks. wide, course E.; asc. 60 ft. over rocky S. slope.

66.20 Spur, slopes E.; desc. 225 ft. over NE. slope.

78.94 At this point, which is 80.00 chs. in lat. from the SW. cor. of sec. 19, R.11 W.,

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, and in a mound of stone, 3 ft. base, to top, for cor. of secs. 18 and 19 only, of R.11 W., with brass cap mkd.

## Survey of a Portion of the E. Bdy. of T. 5 N., R.12 W.

Chains.

	T5N	
T5N	S 18	
R12W	S. 19	
S 24	R11W	
1942		

Desc. 55 ft. over NE. slope.

81.22 The cor. of secs. 13, 18, 19 and 24, which is a granite stone, 8x8 ins., 12 ins. above ground, mkd. with 3 grooves on the N. and S. faces, with a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

As this cor. now serves for secs. 13 and 24 only,

At point for cor.,

Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, with the old cor. stone buried alongside, and in a mound of stone, 3 ft. base, to top, for cor. of secs. 13 and 24 only, of R.12 W., with brass cap mkd.

	T5N	
S 13	T5N	
S 24	R11W	
R12W	S 18	
1942		

Land, rough, mountainous.

Soil, 4th. rate, rocky.

Timber, palo verde; undergrowth, creosote brush, cacti.

Resurvey of a Portion of the E. Bdy. of T. 5 N., R.12 W.

N. 0° 04' W., on true line, along E. bdy. sec. 13.

Over mountainous land, thru scattered paloverde.

3.70 Wash, 10 ft. deep, 20 lks. wide, course E.; asc. 245 ft. over S. slope.

12.85 Spur, slopes E.; desc. 25 ft. over N. slope.

15.60 Wash, 3 ft. deep, 10 lks. wide, course E.; asc. over rocky SE. slope, 245 ft.

24.00 Ridge, bears E. and W.; desc. 150 ft. over NE. slope.

29.90 Spur, slopes NE.; desc. 120 ft. over NW. slope.

37.72 At this point, which is 40.00 chs. in lat. from the SW. cor. of sec. 18, R.11 W.,

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, and in a mound of stone, 3 ft. base, to top, for  $\frac{1}{4}$  sec. cor. of sec. 18 only, of R.11W., with brass cap mkd.

	$\frac{1}{4}$	
	S 18	
1942		

Desc. 40 ft.

39.40 The  $\frac{1}{4}$  sec. cor., which is a granite stone, 10x6 ins., 4 ins. above ground, mkd.  $\frac{1}{4}$  on W. face, with a mound of stone 3 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

## Resurvey of a Portion of the E. Bdy. of T. 5 N., R. 12 W.

## Chains.

As this cor. now serves for sec. 13 only,

At point for cor.,

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, with the old cor. stone buried alongside, and in a mound of stone, 4 ft. base, to top, for  $\frac{1}{4}$  sec. cor. of sec. 13 only, of R.12 W., with brass cap mkd.

$\begin{array}{c} \uparrow \\ S. 13 \\ 1942 \end{array}$

Thence,

North, on a true line, along the E. bdy. of sec. 13.

Over rolling mountain land, desc. 80 ft. over NW. slope.

5.00 Wash, 3 ft. deep, 10 lks. wide, course NE.; desc. rocky NE. slope, 195 ft.

36.25 Same wash in curve, 6 ft. deep, 10 lks. wide, course NE. from SE.

38.32 At this point, which is 80.00 chs. in lat. from the SW. cor. of sec. 18, R.11 W.,

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, and in a mound of stone, 3 ft. base, to top, for cor. of secs. 7 and 18 only, of R.11 W., with brass cap mkd.

$\begin{array}{c} T5N \\ T5N | S 7 \\ R12W | S 18 \\ S 13 | R11W \\ 1942 \end{array}$

39.94 The cor. of secs. 7, 12, 13 and 18, which is a granite stone, 6x6 ins., 14 ins. above ground, mkd. with 4 grooves on S. and 2 grooves on N. faces, with a mound of stone, 3 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

As this cor. now serves for secs. 12 and 13 only,

At point for cor., with old cor. stone buried alongside,

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 12 and 13 only, of R.12 W., with brass cap mkd.

$\begin{array}{c} T5N \\ S 12 | T5N \\ S 13 | R11W \\ R12W | S 7 \\ 1942 \end{array}$

from which

Original bearing tree:

A paloverde, half dead, 6 ins. diam., bears N.75 $\frac{1}{2}$ °W., 115 lks. dist., mkd. T5N R12W S12 BT.

Land, mountain and rolling.

Soil, 3rd. and 4th. rates, gravelly and rocky.

Timber, paloverde and ironwood.

Undergrowth, creosote brush, ocotillo and cacti.



Resurvey of a Portion of the E. Bdy. of T. 5 N., R. 12 W.

Chains.	N. 0° 10' W., on true line, along E. bdy. of sec. 12.								
	Over rolling desert land, thru scattered timber.								
35.00	Old road, bears NW. and SE.								
38.38	At this point, which is 40.00 chs. in lat. from the SW. cor. of sec. 7, R. 11 W.,								
	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, and in a mound of stone, 4 ft. base, to top, for $\frac{1}{4}$ sec. cor. of sec. 7 only, of R. 11 W., with brass cap mkd.								
	$\frac{1}{4}$   S 7 1942								
39.97	Cor. of four strand barbed wire fences from N. 0° 05' W. and S. 54° 39' E., bears E., 2 lks. dist.								
40.07	The $\frac{1}{4}$ sec. cor., which is a granite stone, 8x4 ins., 2 ins. above ground, mkd $\frac{1}{4}$ on W. face, with a mound of stone, 3 ft. base, 2 ft. high, W. of cor.,								
	As this cor. now serves for sec. 12 only,								
	At point for cor.,								
	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, with the old cor. stone buried alongside, and in a mound of stone, 3 ft. base, to top, for $\frac{1}{4}$ sec. cor. of sec. 12 only, of R. 12 W., with brass cap mkd.								
	$\frac{1}{4}$   S 12 1942								
	Thence,								
	N. 0° 05' W., on true line, along the E. bdy. of sec. 12.								
	Over rolling desert land, along W. side of fence.								
24.00	Enter Wash, 20 ft. deep, .40 lks. wide, course N. from SE.								
29.80	Leave wash, course NW.								
38.31	At this point, which is 80.00 chs. in lat. from the SW. cor. of sec. 7, R. 11 W.,								
	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 6 and 7 only, of R. 11 W., with brass cap mkd.								
	<table border="1"> <tr> <td></td> <td>T5N</td> </tr> <tr> <td>T5N</td> <td>S.6</td> </tr> <tr> <td>R12W</td> <td>S.7</td> </tr> <tr> <td>S 12</td> <td>R11W</td> </tr> </table> 1942		T5N	T5N	S.6	R12W	S.7	S 12	R11W
	T5N								
T5N	S.6								
R12W	S.7								
S 12	R11W								
40.07	The cor. of secs. 1, 6, 7 and 12, which is a granite stone, 6x10 ins., 4 ins. above ground, mkd. 1 groove on N. and 5 grooves on S. faces, with a mound of stone, 3 ft. base, 2 ft. high, W. of cor.,								
	As this cor. now serves for secs. 1 and 12 only,								

Resurvey of a Portion of the E. Bdy. of T.5N., R.12 W.

Chains

At point for cor. 1, 1/4 sec. 1 only, of R.12 W.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, with the old cor. stone buried alongside, and in a mound of stone, 3 ft. base, to top, for cor. of secs. 1 and 12 only, of R.12 W., with brass cap mkd.

T5N | S 1 | T5N

S 12 | R11W | S 6 | R12W

1942 from which

Original bearing trees:

A palo verde, 10 ins. diam., bears N.78 1/2° E., 248 lks. dist. Old blaze badly weathered and partly rotted out, with the marks T5N R11W S 6 BT visible

A palo verde, 14 ins. diam., bears S.53 1/2° E., 230 lks. dist. mkd. T5N R11W S 7 BT. I alter the markings on this tree to read, T5N R11W S 6 BT.

A N. and S. fence, bears E., 2 lks. dist.

Land, rolling desert.

Soil, 3rd. rate, sandy and gravelly.

Timber, palo verde and ironwood.

Undergrowth, creosote brush, ocotilla and cacti.

N. 0° 06' W., on true line, along E. bdy. of sec. 1.

Over rolling desert land, along the W. side of fence.

6.00 Wash, 10 ft. deep, 20 lks. wide, course NW.

38.17 Old road, bears NW., and SE. thru gate in fence.

38.24 True point for 1/4 sec. cor. of sec. 6 only, of R.11 W., which is 40.00 chs. in line from the SW. cor. of sec. 6, falls at the N. edge of road way, a place unadvisable for a permanent cor.

38.29 Set an iron post, 3 ft. long, 1 1/2 ins. diam., 26 ins. in the ground, for witness 1/4 sec. cor. of sec. 6 only, of R.11 W., with brass cap mkd.

1/4 S 6 W.C

1942

raisa a mound of stone, 3 ft. base, 2 1/2 ft. high, E. of cor.

40.07 The 1/4 sec. cor., which is a granite stone, 8x2 ins., 3 ins. above ground, mkd. on the W. face, with a mound of stone 3 ft. base, 1 1/2 ft. high, W. of cor.

As this cor. now serves for sec. 1 only,

At point for cor. 1, 1/4 sec. 1 only, of R.12 W.

Set an iron post, 3 ft. long, 1 1/2 ins. diam., 26 ins. in the ground, with the old cor. stone buried alongside, for 1/4 sec. cor. of sec. 1 only, with brass cap mkd.

## Resurvey of a Portion of the E. bdy. of T. 5 N., R. 12 W.

Chains

$$\begin{array}{c} \frac{1}{4} \\ | \\ S \ 1 \\ | \\ 1942 \end{array}$$

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

Fence cor., bears E., 2 lks. dist., from which fences bear N.  $0^{\circ} 46'$  W., and S.  $0^{\circ} 26'$  E.

Thence,

N.  $0^{\circ} 03'$  W., on true line, along the E. bdy. of sec. 1.

Over nearly level land, thru scattered timber.

1.60 Four strand barbed wire fence, bears N.  $0^{\circ} 46'$  W. and S.  $0^{\circ} 46'$  E.

4.50 Wash, 6 ft. deep, 20 lks. wide, course NW.

25.40 Wash, 10 ft. deep, 40 lks. wide, course NW.

40.10 The cor. of Tps. 5 and 6 N., R. 11 and 12 W.; described in the field notes of the S. bdy. of T. 6 N., R. 11 W., surveyed under this group.

Land, rolling desert.

Soil, third rate, sandy and gravelly.

Timber, palo verde and ironwood.

Undergrowth, creosote brush, ocotillo and cacti.

Resurvey of a Portion of the Subdivisional Lines of  
T. 5 N., R. 12 W.

Reestablishment of the survey executed by J. F. Hesse,  
Deputy Surveyor, in 1909.

-----

From the cor. of secs. 25 and 36, on the E. bdy. of the Tp.

N.  $89^{\circ} 56'$  W., on true line, bet. secs. 25 and 36.

Over rough mountainous land; asc. 160 ft. over rocky S. slope.

4.70 Rocky spur, slopes S.

10.00 Rocky spur, slopes S.; desc. 150 ft.

15.00 Wash, course S.; asc. 75 ft.

19.00 Spur, slopes SW.; desc. 230 ft. over SW. slope.

38.80 Wash, 10 ft. deep, 15 lks. wide, course SW.

40.22 The  $\frac{1}{4}$  sec. cor.; a granite stone, 6x6 ins., 6 ins. above ground, firmly set, mkd.  $\frac{1}{4}$  on N. face; from which

Original bearing trees:

An ironwood, 10 ins. diam., bears N.  $65\frac{1}{2}^{\circ}$  E., 71 lks. dist., mkd.  $\frac{1}{4}$  S 25 BT.

Resurvey of a Portion of the Subdivisional Lines of  
T. 5 N., R. 12 W.

Chains	<p>The original position of a fallen palo verde, 8 ins. diam., bears S. <math>85\frac{3}{4}^{\circ}</math> E., 94 lks. dist. Tree is mkd. <math>\frac{1}{4}</math> S36 BT.</p> <p>Raise a mound of stone, 3 ft. base, <math>2\frac{1}{2}</math> ft. high, N. of cor. Thence, N. <math>89^{\circ} 57'</math> W., on true line, bet. secs. 25 and 36. Over mountainous land thru scattered palo verde.</p> <p>1.20 Old road, bears NE. and SW.; asc. 90 ft. along S. slope.</p> <p>16.20 Spur, slopes S.; desc. 100 ft. over W. slope.</p> <p>19.55 Old road, bears N. and S.</p> <p>19.90 Wash, 6 ft. deep, 20 lks. wide, course S.; asc. 135 ft. over rocky E. slope.</p> <p>21.50 Old road, bears S., and N. about 3 chs. to a mine shaft.</p> <p>28.00 Rocky spur, slopes S.; desc. 120 ft. over rocky W. slope.</p> <p>32.95 Wash, near head, course S.; asc. 150 ft. over rocky E. slope.</p> <p>39.70 The cor. of secs. 25, 26, 35, and 36; a cross (+), with 1 groove S. and 1 groove E. of cross, mkd. on sloping E. face of a rock ledge, 20x12x16 ft. above ground, with a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, rough mountainous. Soil, 4th rate, rocky. Timber, palo verde and ironwood. Undergrowth, creosote brush, ocotillo and cacti.</p>
	<p>N. <math>0^{\circ} 05'</math> E., on true line, bet. secs. 25 and 26. Over mountainous land; asc. 100 ft. along SE. slope.</p> <p>2.75 Prospect shaft, bears W., 30 lks. dist.</p> <p>4.30 Prospect shaft, bears E., 50 lks. dist.</p> <p>7.50 Spur, slopes SW.; desc. 140 ft. over NW. slope.</p> <p>19.90 Tunnel, bears SE., 40 lks. dist.</p> <p>23.85 Wash, 5 lks. wide, course W.</p> <p>30.00 Collar of inclined shaft, 8x10 ft., bears East, 68 lks.; the NW. cor. of old blacksmith shop bears SE., 20 lks. dist.</p> <p>34.50 Wash, 10 lks. wide, course SW.</p> <p>39.25 Spur, slopes N. <math>10^{\circ}</math> W.</p> <p>40.11 The <math>\frac{1}{4}</math> sec. cor.; a granite stone, 8x8 ins., 4 ins. above ground, mkd. <math>\frac{1}{4}</math> on the W. face; from which</p> <p>Original bearing tree:</p> <p>An ironwood, 5 ins. diam., bears S. <math>50\frac{3}{4}^{\circ}</math> W., 14 lks. dist., mkd. <math>\frac{1}{4}</math> S26 BT.</p> <p>Coast and Geodetic triangulation monument bears N. <math>74^{\circ} 02'</math> E.</p>

Resurvey of a Portion of the Subdivisional Lines of  
T. 5 N., R. 12 W.

Chains	
	Thence, N. 0° 09' E., on true line, bet. secs. 25 and 26. Over mountainous land; along W. slope.
5.05	Wash, 5 lks. wide, course S.50°W.; asc. 55 ft.
13.90	Wash, 30 lks. wide, course, S.60°W.; asc. 175 ft.
23.88	Coast and Geodetic Survey triangulation monument, bears S. 65°51'E.
24.50	Saddle in spur, slopes SW.; asc. 20 ft. along W. slope.
34.50	Spur slopes NW.; desc. 85 ft. over NW. slope.
40.06	The cor. of secs. 23,24,25 and 26; a granite stone, 6x6 ins. 6. ins. above ground, firmly set, mkd. with 2 grooves on S. and 1 groove on E. faces; from which  Original bearing trees:  An ironwood, 6 ins. diam., bears S.51 $\frac{3}{4}$ °E., 50 lks. dist., mkd. T5N R12W S25 BT.  A palo verde, dead, 6 ins. diam., bears S.7°W., 81.lks. dist., mkd. T5N R12W S26 BT.  No evidence remains of the NE. and NW. bearing trees.  Land, mountainous. Soil, 3rd and 4th. rates, gravelly and rocky. Timber, palo verde and ironwood. Undergrowth, creosote brush, ocotillo and cacti.
	N. 0° 01' W., on true line, bet. secs. 23 and 24. Over mountainous land; desc. 20 ft. over N. slope.
1.80	Wash, 10 ft. deep, 20 lks. wide, course NW.
10.96	Wash, 20 lks. wide, 10 ft. deep, course SW.; asc. 210 ft. over rocky SW. slope.
25.40	Spur, slopes W.; desc. 140 ft. over N. slope.
32.80	Wash, 10 ft. deep, 20 lks. wide, course W.; asc. 35 ft.
38.75	Spur, slopes SW.; desc. 20 ft. over NW. slope.
39.91	The $\frac{1}{4}$ sec. cor.; a granite stone, 12x6 ins. 4 ins. above ground, mkd. $\frac{1}{4}$ on W. face, firmly set; from which  Original bearing trees:  A palo verde, 6 ins. diam., bears N.50°E., 90 lks. dist. mkd. $\frac{1}{4}$ S24 BT.  A palo verde, 6 ins. diam., bears S. 22 $\frac{1}{4}$ °W., 11 lks. dist., mkd. $\frac{1}{4}$ S23 BT.
	Thence, N. 0° 41' W., on true line, bet. secs. 23 and 24. Over mountainous land, desc. 45 ft. over W. slope.

Resurvey of a Portion of the Subdivisional Lines of  
T. 5 N., R. 12 W.

Chains	
8.45	Wash, 20 ft. deep, 40 lks. wide, course SW.; asc. 410 ft. over rocky SE. slope.
40.36	The cor. of secs. 13, 14, 23 and 24; a granite stone, 12x10 ins. 6 ins. above ground, firmly set, mkd. with 3 notches on S. and 1 notch E. edges; from which
	Original bearing trees:
	The original position of a fallen palo verde, 4 ins. diam., bears N. 21 $\frac{1}{2}$ ° E., 77 lks. dist. Tree is marked T5N R12W S13 BT.
	The original position of a fallen palo verde, 4 ins. diam., bears S. 14° E., 90 lks. dist. Tree is marked T5N R12W S24 BT.
	A palo verde, 6 ins. diam., bears S. 73 $\frac{1}{2}$ ° W., 75 lks. dist., mkd. T5N R12W S23 BT.
	A palo verde, 4 ins. diam., bears N. 46 $\frac{1}{2}$ ° W., 91 lks. dist., mkd. T5N R12W S
	Land, mountainous. Soil, 3rd and 4th. rate. gravelly and rocky. Timber, palo verde and ironwood. Undergrowth, creosote brush, ocotillo and cacti.
	S. 89° 45' E., on true line, bet. secs. 13 and 24. Over mountainous land; asc. 120 ft. over S. slope.
9.40	Rocky spur, slopes S.; desc. 350 ft. over rough SE. slope.
19.45	Junction of washes from NE. and NW., course SW.; asc. 150 ft. along N. slope.
35.45	Spur, slopes SW.; desc. 50 ft. over E. slope.
39.68	The $\frac{1}{4}$ sec. cor.; A stone, 14x14 ins. 6 ins. above ground, firmly set, mkd. $\frac{1}{4}$ on N. face, with a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
	Thence,
	N. 89° 01' E., on true line, bet. secs. 13 and 24.
	Over mountain land; asc. 120 ft. over SW. slope.
7.00	Spur, slopes S.; desc. 110 ft. over SE. slope.
13.50	Wash, 30 ft. deep, 20 lks. wide, course SW.; asc. 360 ft. over rocky W. slope.
27.35	Ridge, bears N. and S.; desc. 370 ft. over NE. slope.
41.39	The cor. of secs. 13 and 24, on the E. bdy. of the Tp.
	Land, mountainous. Soil, 3rd and 4th. rates, gravelly and rocky. Timber, paloverde and ironwood. Undergrowth, creosote brush, ocotillo and cacti.

Survey and Resurvey of the Line bet. Secs. 24 and 25,  
T. 5 N., R. 12 W.

Chains.	<p>From the cor. of secs. 23,24,25 and 26, S. 89° 50' E., on true line, bet. secs. 24 and 25. Over rough mountainous land.</p> <p>3.30 Wash, 10 lks. wide, course N.60°W.; asc. 925 ft. over W. slope.</p> <p>39.63 The <math>\frac{1}{4}</math> sec. cor.; a cross (+), with <math>\frac{1}{4}</math> mkd. N. of cross, mkd. on a ledge of rock, 8x10 ft. 10 ft. above ground, with a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, N. of cor. Asc. 300 ft. over precipitous W. slope.</p> <p>49.00 Top of broken cliffs, 20 ft. high, bears SW. and N.; desc. 220 ft. over SE. slope.</p> <p>61.60 Wash, 4 ft. deep, 10 lks. wide, course SE.; asc. 100 ft. over SW. slope.</p> <p>70.13 Spur, slopes SE.; desc. 275 ft. over rocky NE. slope.</p> <p>80.34 The cor. of secs. 24 and 25, on the E. bdy. of the Tp. Land, rough, mountainous. Soil, 4th. rate. Timber, scattered paloverde, ironwood. Undergrowth, creosote brush, ocotillo and cacti.</p>
---------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Final Test of Solar Attachment.

May 3, 1942, bet. the hours of 7:30 to 10:30 a.m., and 1:30 to 4:30 p.m., I make the proper settings on the arcs of the solar attachment 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".

General Description.

The east boundary of the township crosses over the Harquahala mountains, from the cor. of secs. 12 and 13 to the cor. of secs. 25 and 36, within ten chains east of the top of Socorro peak, which is approximately fifteen chains SW. from the  $\frac{1}{4}$  sec. cor. of sec. 24.

The elevations above sea level range from 2,100 ft. on the rolling desert land, to approximately 4,000 ft. at the top of Socorro peak.

The drainage of secs. 24 and 25 is generally to the west, with the exception of the SE $\frac{1}{2}$  of sec. 25 which drains to the south. The soil of these two secs. is fourth rate. The land is rough and rocky and has a number of precipitous slopes and rocky spurs. It supports only a scattered stand of paloverde and ironwood timber, and a scattered undergrowth of creosote brush, cacti, sage, weeds and grasses.

The principal interest in the two secs. is mining. They contain several prospect holes, and there are some more extensive workings in the S $\frac{1}{2}$  of sec. 25, which evidently have not been worked for ten or more years.

There was no water found, and there are no settlers in the two sections.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE**

APR 29 1937

**FIELD ASSISTANTS**

NAMES	CAPACITY
John Boggs.	Principal Assistant.
George B. McDevitt.	Principal Assistant.
Mike Knezevich.	Chairman.
Ralph L. Lee.	Chairman.
Gladwyn Gregory	Axeman.



15  
CERTIFICATE OF SURVEYOR

I, G. Marvin Litz, Junior 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 January 16, 1942, I have dependently resurveyed and surveyed the East boundary of Township 5 North, Range 12 West, and dependently resurveyed and surveyed a portion of the subdivisional lines, completing the survey of Township 5 North, Range 12 West, of the Gila & Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said resurvey and 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.  
Glendale, Calif., August 17, 1942.

*G. Marvin Litz*  
Junior Cadastral Engineer,  
General Land Office.

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,

Denver, Colorado, April 16, 1945

The foregoing field notes of the dependent resurvey and survey of the East boundary of Township 5 North, Range 12 West, and of the dependent resurvey and survey of a portion of the subdivisional lines, completing the survey of Township 5 North, Range 12 West, of the Gila and Salt River Meridian, in the State of Arizona, executed by G. Marvin Litz, Junior Cadastral Engineer, under special instructions dated October 29, 1941, and assignment instructions dated 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 resurvey and 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.~~