

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
BUREAU OF LAND MANAGEMENT

BLM CR 4344

# FIELD NOTES

OF THE

Dependent Resurvey of a Portion of the South Boundary of

Township 7 North, Range 1 East, and

Dependent Resurvey and Survey of  
A Portion of the Subdivisional Lines

Completing the Subdivision of

Township 6 North, Range 1 East,

Of the Gila and Salt River Meridian,

In the State of Arizona

### EXECUTED BY

F. Wayne Forrest, Assistant Cadastral Engineer,

and

Bert E. Wakeman, Senior Engineering Aide,

~~General Land Office~~

Under special instructions dated August 24, 1943, which provided  
for the surveys included under Group No. 242, bearing the approval of the  
Commissioner of the General Land Office under date of October 1, 1943  
and assignment instructions dated January 24, 1946

Survey commenced March 8, 1946

Survey completed March 27, 1946

4344

4344

BOOK 4344

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T. 6 N., R. 1 E.

L.C.N. 4045

The surveys and resurveys herein described were executed with Buff solar transit No. 24849. The instrument complies with the standard specifications of the General Land Office and was placed in satisfactory adjustment prior to the beginning of the survey.

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

The data furnished with the special instructions gives the geographical position for the NE. corner of T. 6 N., R. 1 E. as follows: latitude  $33^{\circ} 53' 51''$  N., and longitude  $112^{\circ} 12' 10''$  W.

March 6, 1946, in camp in the SW $\frac{1}{4}$  of section 22, T. 6 N., R. 1 E., latitude  $33^{\circ} 50\frac{1}{2}'$  N., longitude  $112^{\circ} 15'$  W., I make an hour angle observation on Polaris, at 6h 09.6m p.m., l.m.t. for azimuth, noting the horizontal angle from a large cactus plant, about one mile to the north, west to Polaris.

Mean horizontal angle-----	1° 43' 30"
Reduced azimuth of Polaris-----	0° 55' 18"
Azimuth of reference-----	N. 0° 48' 12" E.

March 7, 1946, at the same station, every 30 minutes from 8 to 10:30 a.m. and from 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".

I repeat the tests of the arcs daily by noon observation, and verify the meridional indications at frequent intervals throughout the survey.

Preliminary to the resurvey the lines of the original survey are retraced and diligent search is made for all corners and other calls of the record. Identified corners are remonumented in their original positions, lost corners are reestablished and remonumented at proportionate positions based upon the original record. The retracement data are thoroughly verified and only the true line field notes are given herein.

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Resurvey of a Portion of the South Boundary of  
T. 7 N., R. 1 E.

Chains

Reestablishment of a portion of the survey executed by A. T. Colton, Deputy Surveyor, in 1894.

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The corner of secs. 3, 4, 33, and 34, is marked by the original monument, a malpais stone, 18x10x8 ins., firmly set, mkd. with 3 grooves on each of the E. and W. faces, witnessed by a small mound of stone W. of cor.

At the corner point

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to underlying rock, and in a mound of stone, 6 ft. base to top, with brass cap mkd.

T7N R1E  
S 33 | S 34  
-----  
S 4 | S 3  
T6N  
1946

Bury the old corner stone alongside the iron post.

S. 89° 52' E.; along the S. bdy. of sec. 34.

Over mountainous land, through scattering timber and undergrowth; ascend slightly.

- 3.80 Spur, slopes NW.; desc. slightly.
- 6.80 Top of steep descent, bears NW. and SE.; desc. 375 ft.
- 29.90 Sidehill drain, course N.; ascend 250 ft. over broken cliffs.
- 40.73 The  $\frac{1}{4}$  sec. cor. of secs. 3 and 34, marked by the original monument, a malpais stone, 16x8x8 ins., set in a small mound of stone, mkd.  $\frac{1}{4}$  on N. face.

At the corner point

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in a rock crevice, and in a mound of stone, 5 ft. base, to top, with brass cap mkd.

$\frac{1}{4}$   $\frac{S 34}{S 3}$   
1946

Bury the old corner stone in the mound alongside the iron post.

This corner is on a rocky point, on spur, slopes N.

N. 89° 42' E., beginning new measurement.

Descend 275 ft. over rocky NE. slope, through scattering timber and undergrowth.

- 9.30 Wash, 20 lks. wide, course N.; ascend 100 ft. over W. slope.
- 12.40 Slope changes, ascend 230 ft. along a steep S. slope.

Resurvey of a Portion of the South Boundary of  
T. 7 N., R. 1 E.

Chains	
32.86	<p>The witness corner of secs. 2, 3, 34, and 35, marked by a malpais stone, 20x10x6 ins., firmly set in a small mound of stone, mkd. with 4 grooves on the W. and 2 grooves on the E. faces, and WC on the N. face. This corner is changed to the witness cor. of secs. 34 and 35 only.</p> <p>At the corner point.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to underlying rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T7N R1E S 34   S 35W ----- T6NR1E C S 3 1946</p> </div> <p>Bury the old corner stone alongside the iron post.</p> <p>S. 89° 53' E., beginning new measurement.</p>
0.20	<p>Top of cliff, 20 ft. high, faces NE.; desc. 170 ft. over NE. slope.</p>
6.01	<p>Point for the corner of secs. 2, 3, 34, and 35, at proportionate distance; on a precipitous NE. slope. This cor. is changed to the cor. of secs. 34 and 35 only.</p>
<p>Land, rough mountainous. Soil, rocky, 3d and 4th rate. Timber, scattering ironwood; palo verde and mesquite; undergrowth, cactus, sage, greasewood, ocotillo, and cats-claw.</p> <p>-----</p>	
<p>S. 89° 53' E., along the S. bdy. of sec. 35.</p> <p>Desc. 70 ft. along steep N. slope, through scattering timber and undergrowth.</p>	
9.20	<p>Wash, 20 lks. wide, course NW.; asc. 250 ft. over SW. slope.</p>
18.80	<p>Sidehill drain, course SW.; asc. 280 ft. over broken W. slope.</p>
25.70	<p>Spur, slopes NW.; desc. 30 ft. along N. slope.</p>
39.00	<p>Short spur, slopes N.; desc. slightly.</p>
40.10	<p>Point for the ¼ sec. cor. of secs. 2 and 35, marked by the original monument, a malpais stone, 14x10x7 ins., firmly set in a small mound of stone, mkd. ¼ on N. face. This cor. is changed to the ¼ sec. cor. of sec. 35 only.</p> <p>At the corner point</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in a rock crevice, and in a mound of stone, 5 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>¼ S 35 ----- 1946</p> </div> <p>Bury the old corner stone alongside the iron post.</p>

Resurvey of a Portion of the South Boundary of BOOK 4344  
T. 7 N., R. 1 E.

## Chains

S. 89° 55' E., beginning new measurement.

Desc. 370 ft. over NE. slope.

10.60 Wash, 30 lks. wide, course NW.; asc. 430 ft. over SW. slope.

24.00 Spur, slopes NW.; asc. 95 ft. over NW. slope.

33.40 Short spur, slopes N.; desc. 65 ft.

39.68 The cor. of secs. 1, 2, 35, and 36, marked by an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the 1937 resurvey record.  
This cor. is changed to a cor. of secs. 35 and 36 only.

Change the markings on the brass cap to read

T7N R1E  
S 35 | S 36

T6N R1E

S 1

1946

1937

Land; rough mountainous.

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

Timber, scattering palo verde and ironwood; undergrowth, greasewood, sage, cactus, and ocotillo.

Resurvey of a Portion of the Subdivisional Lines of  
T. 6 N., R. 1 E.

Reestablishment of surveys executed by A. T. Colton,  
Deputy Surveyor, in 1894.

The corner of sections 13, 14, 23, and 24 is marked by the original monument, a malpais stone, 18x8x4 ins., firmly set, mkd. with 3 grooves on S. and 1 groove on E. faces, witnessed by a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

At the corner point

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, with brass cap mkd.

T6N R1E  
S 14 | S 13

S 23 | S 24

1946

from which

An ironwood, 10 ins. diam., bears N. 53 3/4° E., 149 lks. dist., mkd. T 6 N R 1 E S 13 B T.

An ironwood, 3 ins. diam., bears S. 32° E., 122 lks. dist., mkd. B T only

Resurvey of a Portion of the Subdivisional Lines of  
T. 6.N., R. 1 E.

## Chains

An ironwood, 8 ins. diam., bears S. 10° W., 37 lks. dist., mkd. T 6 N R 1 E S 23 B T.

An ironwood, 7 ins. diam., bears N. 80½° W., 57 lks. dist., mkd. T 6 N R 1 E S 14 B T.

Rebuild the mound of stone, 3 ft. base, 2 ft. high, W. of cor. and bury the old corner stone alongside the iron post.

N. 0° 02' W., bet. secs. 13 and 14.

Over gently rolling land, through timber and undergrowth.

0.50 Wash, 20 lks. wide, course NE.

18.30 Wash, 20 lks. wide, 8 ft. deep, course SE.

40.02 The ¼ sec. cor. of secs. 13 and 14, marked by the original monument, a malpais stone, 18x8x8 ins., firmly set, mkd. ¼ on W. face; witnessed by a small mound of stone W. of cor.

At the corner point

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to underlying rock, and in a mound of stone, 5 ft. base to top, with brass cap mkd.

¼  
S 14 | S 13  
1946

Bury the old corner stone alongside the iron post.

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

40.04 The cor. of secs. 11, 12, 13, and 14, marked by the original monument, a malpais stone, 16x7x4 ins., firmly set, mkd. with 4 grooves on S. and 1 groove on E. faces, witnessed by a small mound of stone, W. of cor.

At the corner point

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, with brass cap mkd.

T6N R1E  
S 11 | S 12  
S 14 | S 13  
1946

Rebuild the mound of stone to 3 ft. base, 2 ft. high, W. of cor., and bury the old corner stone alongside the iron post.

Land, gently rolling.

Soil, sandy, gravelly, and rocky, 3d rate.

Timber, palo verde, ironwood, and mesquite; undergrowth, greasewood, sage, cactus, and ocotillo.

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Resurvey of a Portion of the Subdivisional Lines of  
T. 6. N., R. 1 E.

Chains

From the cor. of secs. 12 and 13 on the E. bdy. of the Tp., marked by an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the 1933 resurvey record.

N. 88° 36' W., bet. secs. 12 and 13.

Over gently rolling land, through timber and undergrowth.

15.00 Low, flat spur, slopes S.

30.40 Wash, 15 lks. wide, course S.

40.06 The  $\frac{1}{4}$  sec. cor. of secs. 12 and 13, marked by the original monument, a malpais stone, 22x12x4 ins., firmly set, mkd.  $\frac{1}{4}$  on N. face, witnessed by a small mound of stone N. of cor.

At the corner point

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to underlying rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

$\frac{1}{4}$   $\frac{S\ 12}{S\ 13}$   
1946

Bury the old corner stone alongside the iron post.

N. 89° 55' W., beginning new measurement.

28.50 Wash, 30 lks. wide, 6 ft. deep, course S.

39.96 The corner of secs. 11, 12, 13, and 14.

Land, gently rolling.  
Soil, sandy, gravelly and rocky, 3d rate.  
Timber, palo verde, ironwood and mesquite; undergrowth, greasewood, cactus, sage, and ocotillo.

-----  
From the cor. of secs. 13, 14, 23, and 24.

N. 89° 57' W., bet. secs. 14 and 23.

Over rolling land, through scattering timber and undergrowth.

0.45 Wash, 20 lks. wide, course NE.

9.10 Enter same wash, course S. 85° E. from W.

11.90 Leave wash, course E. from N. 60° W.

39.97 The  $\frac{1}{4}$  sec. cor. of secs. 14 and 23, marked by the original monument, a malpais stone, 16x8x8 ins., firmly set, mkd.  $\frac{1}{4}$  on N. face, witnessed by a small mound of stone N. of cor.

At the corner point

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

$\frac{1}{4}$   $\frac{S\ 14}{S\ 23}$   
1946

Resurvey of a Portion of the Subdivisional Lines of  
T. 6 N., R. 1 E.

## Chains

Rebuild the mound of stone to 3 ft. base, 2 ft. high, N. of cor., and bury the old corner stone alongside the iron post.

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

40.07 The cor. of secs. 14, 15, 22, and 23, marked by the original monument, a malpais stone, 18x12x6 ins., firmly set, mkd. with 3 grooves on S. and 2 grooves on E. faces, witnessed by a small mound of stone W. of cor.

At the corner point

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with brass cap mkd.

T6N R1E	
S 15	S 14
S 22	S 23
1946	

Rebuild the mound of stone to 3 ft. base, 2 ft. high, W. of cor., and bury the old corner stone alongside the iron post.

Land, rolling.

Soil, gravelly and rocky, 3d rate.

Timber, palo verde and ironwood; undergrowth, greasewood, cactus, ocotillo and sage.

-----  
S. 89° 59' W., bet. secs. 15 and 22.

Over rolling land, through timber and undergrowth.

-4.60 Wash, 35 lks. wide, course S. 10° E.; asc. 110 ft. over SE. slope.

40.06 The  $\frac{1}{4}$  sec. cor. of secs. 15 and 22, marked by the original monument, a malpais stone, 16x6x6 ins., firmly set, mkd.  $\frac{1}{4}$  on N. face, witnessed by a small mound of stone, N. of cor.

At the corner point

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to underlying rock, and in a mound of stone,  $3\frac{1}{2}$  ft. base to top, with brass cap mkd.

$\frac{1}{4}$	S 15
	S 22
	1946

Bury the old corner stone alongside the iron post.

S. 88° 46' W., beginning new measurement.

Ascend 70 ft. over SE. slope.

10.30 Divide between Agua Fria and New Rivers, bears SE. and NW.; asc. 15 ft. along S. slope.

15.00 Spur, slopes S.; desc. 360 ft. over SW. slope.

33.00 Graded road, bears N. 15° W. to Pleasant Dam and S. 15° E. to Phoenix.

Resurvey of a Portion of the Subdivisional Lines of  
T. 6 N., R. 1 E.

Chains

34.30 Ravine, 15 lks. wide, course N. 10° W. about 4 chs. dist., thence W.; along broken N. slope.

40.05 The cor. of secs. 15, 16, 21, and 22, marked by the original monument, a malpais stone, 24x8x8 ins., firmly set, mkd. with 3 grooves on each of the S. and E. faces, witnessed by a small mound of stone W. of cor.

At the corner point

Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground to underlying rock, and in a mound of stone to top, with brass cap mkd.

T6N R1E	
S 16	S 15
S 21	S 22
1946	

Rebuild the mound of stone, 3 ft. base, 2 ft. high, W. of cor., and bury the old corner stone alongside the iron post.

Land, rolling mountainous.

Soil, gravelly and rocky, 3d rate.

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

-----  
N. 0° 15' W., bet. secs. 15 and 16.

Descend 60 ft. over N. slope, through scattering timber and undergrowth.

6.30 Ravine, 10 lks. wide, course W., 50 lks. dist. to confluence with ravine, course SW.

7.60 Ravine, 10 lks. wide, course SW.; asc. 230 ft. over SE. slope.

11.60 Graded road, bears W. to Pleasant Dam and S. 80° E. to Phoenix.

28.30 Spur, slopes SW. from E.; desc. 135 ft. along top of short spur.

36.50 Leave spur, slopes N. 30° W from S.; desc. 35 ft.

40.07 The ¼ sec. cor. of secs. 15 and 16, marked by the original monument, a malpais stone, 30x12x5 ins., firmly set in a small mound of stone, mkd. ¼ on W. face.

At the corner point

Set an iron post, 3 ft. long, 1 in. diam., on a cross (X) on solid rock, and in a mound of stone, 8 ft. base to top, with brass cap mkd.

¼	
S 16	S 15
1946	

Bury the old corner stone in the mound of stone, alongside the iron post.

Resurvey of a Portion of the Subdivisional Lines of  
T. 6 N., R. 1 E.

Chains									
	N. 0° 01' E., beginning new measurement. Desc. 100 ft. over NE. slope.								
4.35	Ravine, 15 lks. wide, course NW.; asc. 44 ft. over S. slope.								
5.60	Short spur, slopes W., 150 lks. dist. to toe; desc. 20 ft.								
6.15	Ravine, 10 lks. wide, course SW.; asc. 170 ft. over SE. slope.								
23.20	Top of small butte on spur, slopes SW.; desc. 65 ft. over NW. slope.								
29.50	Ravine, 10 lks. wide, course SW.; asc. 220 ft. over S. slope.								
41.79	The cor. of secs. 9, 10, 15, and 16, marked by the original monument, a malpais stone, 16x8x7 ins., firmly set, mkd. with 4 grooves on S. and 3 grooves on E. faces, witnessed by a small mound of stone W. of cor.  At the corner point  Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground to underlying rock, and in a mound of stone to top, with brass cap mkd.								
	<table border="1" style="margin: auto;"> <tr> <td colspan="2" style="text-align: center;">T6N R1E</td> </tr> <tr> <td style="text-align: center;">S 9</td> <td style="text-align: center;">S 10</td> </tr> <tr> <td style="text-align: center;">S 16</td> <td style="text-align: center;">S 15</td> </tr> <tr> <td colspan="2" style="text-align: center;">1946</td> </tr> </table>	T6N R1E		S 9	S 10	S 16	S 15	1946	
T6N R1E									
S 9	S 10								
S 16	S 15								
1946									
	Rebuild the mound of stone to 3½ ft. base, 2½ ft. high, W. of cor., and bury the old corner stone alongside the iron post.								
	Land, rough mountainous. Soil, gravelly and rocky, 3d and 4th rate. Timber, palo verde and ironwood; undergrowth, greasewood, cactus, sage, ocotillo, and cats claw.								
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	N. 0° 05' W., bet. secs. 9 and 10. Ascend slightly through scattering timber and undergrowth.								
1.50	Spur, slopes W.; desc. 180 ft. over N. slope.								
8.50	Ravine, 10 lks. wide, course NW.; asc. 30 ft. along broken W. slope.								
17.00	Ravine, 15 lks. wide, course SW.; asc. 95 ft. over SE. slope.								
21.70	Spur, slopes W.; desc. 200 ft. over NW. slope.								
40.00	Point for the ¼ sec. cor. of sec. 10 only falls on sloping rock ledge.								
40.74	Establish witness cor. for ¼ sec. cor. of sec. 10 only.  Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to underlying rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.								

Resurvey of a Portion of the Subdivisional Lines of  
T. 6 N., R. 1 E.

Chains

1/4 S 10  
WC  
1946

41.40 Ravine, 15 lks. wide, course SW.; asc. 10 ft.

43.49 The 1/4 sec. cor. of secs. 9 and 10, marked by the original monument, a malpais stone, 18x8x6 ins., firmly set, mkd. 1/4 on W. face, witnessed by a small mound of stone W. of cor. This cor. is changed to the 1/4 sec. cor. of sec. 9 only.

At the corner point

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to underlying rock, and in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

1/4 S 9  
1946

Bury the old corner stone alongside the iron post.

N. 0° 04' E., beginning new measurement.

Asc. 560 ft. over broken S. slope.

36.30 Ridge spur, bears NW. and SE.; desc. 40 ft.

38.96 The cor. of secs. 3, 4, 9, and 10, marked by the original monument, a malpais stone, 20x10x6 ins., firmly set in large rockslide, mkd. with 5 grooves on S. and 3 grooves on E. faces, witnessed by a small mound of stone W. of cor.

At the corner point

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in a rock crevice, and in a mound of stone to top, with brass cap mkd.

T6N R1E  
S 4 | S 3  
S 9 | S 10  
1946

Rebuild the mound of stone to 3 ft. base, 2 ft. high, W. of cor.; and bury the old corner stone alongside the iron post.

Land, rough mountainous.  
Soil, gravelly and rocky, 3d and 4th rate.  
Timber, palo verde, ironwood and mesquite; undergrowth, greasewood, sage, cactus, ocotillo and cat's claw.

Resurvey of a Portion of the Subdivisional Lines of  
T. 6 N., R. 1 E.

Chains	
	N. 1° 30' E., bet. secs. 3 and 4.
	Desc. 405 ft. over NE. slope, through scattering timber and undergrowth.
20.80	Wash, 25 lks. wide, course NW.; desc. 30 ft. along W. slope.
32.80	Slope changes to S.; asc. 100 ft.
36.90	Spur, slopes W.; desc. 13 ft. over N. slope.
37.59	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4, at proportionate distance.
	Set an iron post, 3 ft. long, 1 in. diam., on a cross (X) on exposed ledge, and in a mound of stone 7 ft. base to top, with brass cap mkd.
	$\frac{1}{4}$ S 4   S 3 1946
	Desc. 200 ft. over N. slope.
44.40	Wash, 20 lks. wide, course W.; asc. 480 ft. over broken S. slope.
73.00	Top of ascent, bears NW. and SE.
74.30	High spur, slopes W.; desc. slightly.
75.38	The cor. of secs. 3, 4, 33, and 34, on N. bdy. of Tp.
	Land, rough mountainous. Soil, gravelly and rocky, 3d and 4th rate. Timber, palo verde and ironwood; undergrowth, cactus, sage, ocotillo and greasewood.

Subdivision of a Portion of T. 6 N., R. 1 E.

Chains

Extension of the survey of the subdivisional lines.

-----  
From the cor. of secs. 11, 12, 13, and 14.

North, bet. secs. 11 and 12.

Over rolling land, through timber and undergrowth.

1.50 Foot of ascent, bears E. and W.; asc. 70 ft. over S. slope.

5.00 Slope changes to SE.; asc. 110 ft.

17.00 Spur, slopes E., about 5 chs. dist. to toe; along broken E. slope.

32.40 Spur, slopes E.; desc. 80 ft. over NE. slope.

39.35 Point for the  $\frac{1}{4}$  sec. cor. of sec. 12 only, at midpoint on W. bdy. of the section.

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

$\frac{1}{4}$  S 12

1946

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of sec. 11 only.

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

$\frac{1}{4}$  S 11

-----  
1946

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

Descend slightly over NE. slope.

43.80 Wash, 10 lks. wide, course S. 25° E.; ascend slightly.

50.60 Long wash, 35 lks. wide, course S. 15° E. from winding N., continue along wash.

73.70 Leave wash, course winding S. from NW.; asc. 60 ft.

78.70 Point for the cor. of secs. 1 and 12 only.

Set an iron post, 3 ft. long, 2 ins. diam., on a cross (X) on solid rock, and in a mound of stone, 7 ft. base to top, with brass cap mkd.

T6N | T6N  
R1E | S 1  
S11 | S12  
     | R1E

1946

Land, rough mountainous.

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

Timber, palo verde and ironwood; undergrowth, cactus, ocotillo, greasewood and sage.

## Subdivision of a Portion of T. 6 N., R. 1 E.

## Chains

## Resurvey and Survey

From the cor. of secs. 1 and 12, on the E. bdy. of the Tp., marked by an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the 1933 resurvey record.

S. 89° 50' W., bet. secs. 1 and 12.

Ascend 115 ft. over gradual E. slope, through scattering timber and undergrowth.

19.80 Foot of steep ascent, bears N. and S.; ascend 210 ft. over broken E. slope.

39.20 The  $\frac{1}{4}$  sec. cor. of secs. 1 and 12, marked by the original monument, a malpais stone, 20x8x5 ins., firmly set in a small mound of stone, mkd.  $\frac{1}{4}$  on N. face.

At the corner point

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to underlying rock, and in a mound of stone, 4 $\frac{1}{2}$  ft. base to top, with brass cap mkd.

$$\frac{1}{4} \begin{array}{r} \text{S } 1 \\ \text{S } 12 \\ 1946 \end{array}$$

Bury the old corner stone alongside the iron post.

From this corner an earth tank and dam bears S. 20 $\frac{1}{2}$ ° E., 30.00 chs. dist.

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

Ascend 330 ft. over E. slope.

18.40 Spur, slopes S.; desc. 560 ft. over broken W. slope.

40.73 The cor. of secs. 1 and 12 only.

Land, rolling to rough mountainous.  
Soil, gravelly and rocky, 3d and 4th rate.  
Timber, palo verde and ironwood; undergrowth, cactus, ocotillo, greasewood and cats claw.

## Survey

North, bet. secs. 1 and 11.

Ascend 80 ft. over SW. slope, through scattering timber and undergrowth.

1.30 Point for the cor. of secs. 2 and 11 only, 80.00 chs. N. of the SE. cor. of sec. 11.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to underlying rock, and in a mound of stone, 3 $\frac{1}{2}$  ft. base to top, with brass cap mkd.

$$\begin{array}{r|l} \text{T6N} & \text{T6N} \\ \text{S } 2 & \text{R1E} \\ \text{S11} & \text{S } 1 \\ \text{R1E} & \end{array}$$

1946

Subdivision of a Portion of T. 6 N., R. 1 E.

Chains

Thence bet. secs. 1 and 2, with continued measurement.

24.00 Top of ascent, bears E. and W.; desc. 40 ft. along W. slope.

30.00 Ravine, 8 lks. wide, course SW., about 5 chs. dist. to confluence with long wash, course S.; asc. 100 ft. over S. slope.

34.60 Top of rocky butte bears W., 50 lks. dist.; desc. 20 ft.

35.30 Divide bet. Agua Fria and New Rivers, bears NE. and SW.; descend 90 ft.

39.30 Ravine, 8 lks. wide, course NW.; asc. 35 ft. over S. slope.

39.99 Point for the  $\frac{1}{4}$  sec. cor. of sec. 1 only, at proportionate distance.

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

|  $\frac{1}{4}$  S 1  
1946

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

41.30 Point for the  $\frac{1}{4}$  sec. cor. of sec. 2 only, 40.00 chs. N. of the SE. cor. of sec. 2.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to underlying rock, and in a mound of stone,  $4\frac{1}{2}$  ft. base to top, with brass cap mkd.

$\frac{1}{4}$  S 2 |  
1946

Ascend 145 ft. over S. slope.

52.00 Short spur, slopes W.; asc. 150 ft. along broken W. slope.

78.00 Spur, slopes N.  $30^\circ$  W.; desc. 50 ft.

80.03 Intersect the N. bdy. of the Tp.

Point for the closing corner of secs. 1 and 2.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 6 ft. base to top, with brass cap mkd.

T7NR1E  
S 35  
-----  
S 2 | S 1  
T6N | R1E  
C C  
1946

From point of intersection the cor. of secs. 35 and 36, on the S. bdy. of T. 7 N., R. 1 E., bears S.  $89^\circ 55'$  E., 0.93 chs. dist.

## Subdivision of a Portion of T. 6 N., R. 1 E.

## Chains

Land, rough mountainous.  
Soil, gravelly and rocky, 3d and 4th rate.  
Timber, palo verde and ironwood; undergrowth, sage,  
ocotillo, cactus and greasewood.

-----  
Resurvey and Survey  
-----

From the corner of sections 14, 15, 22, and 23.

N. 0° 06' E., bet. secs. 14 and 15.

Over rolling land, through timber and undergrowth.

20.00 Foot of ascent, bears NW. and S. 60° E.; asc. 160 ft.  
over S. slope.

35.00 Low spur, slopes SW.; asc. 55 ft.

39.80 The  $\frac{1}{4}$  sec. cor. of secs. 14 and 15, marked by the original  
monument, a malpais stone, 16x10x8 ins., firmly set, mkd.  
 $\frac{1}{4}$  on W. face, witnessed by a mound of stone W. of cor.

At the corner point

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

$\frac{1}{4}$   
S 15 | S 14  
1946

Rebuild the mound of stone to  $3\frac{1}{2}$  ft. base, 2 ft.  
high, W. of cor.

N. 0° 06' E., beginning new measurement.

-----  
Ascend 230 ft. along W. slope.

31.00 Top of ascent, bears E. and W.; desc. 60 ft.

40.22 Point for the cor. of secs. 11 and 14 only, N. 89° 57' W.  
of the cor. of secs. 11, 12, 13, and 14.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the  
ground to underlying rock, and in a mound of stone, 4 ft.  
base to top; with brass cap mkd.

T6N | T6N  
R1E | S 11  
S15 | S 14  
R1E  
1946

Land, rolling to rough mountainous.  
Soil, gravelly and rocky, 3d and 4th rate.  
Timber, palo verde, ironwood and mesquite; undergrowth,  
cactus, ocotillo, greasewood and cats claw.

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Subdivision of a Portion of T. 6 N., R. 1 E.

Chains	<p>From the corner of secs. 11, 12, 13, and 14. N. 89° 57' W., bet. secs. 11 and 14. Over rolling land, through timber and undergrowth.</p>
3.60	Foot of ascent, bears N. and S.; ascend 45 ft. along S. slope.
10.10	Spur, slopes S.; desc. 75 ft. over W. slope.
31.80	Wash, 30 lks. wide, course S.; asc. 80 ft. over SE. slope.
39.95	Point for the $\frac{1}{4}$ sec. cor. of secs. 11 and 14.  Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to underlying rock, and in a mound of stone, 5 ft. base to top, with brass cap mkd.  $\frac{1}{4} \begin{array}{l} S 11 \\ S 14 \\ 1946 \end{array}$
	Ascend 120 ft. over SE. slope.
47.90	Slope changes to E.; asc. 400 ft.
63.00	Short spur, slopes SE.; along S. slope.
69.40	Ridge, at saddle, bears N. 10° E. and S. 10° W.; desc. 190 ft. over NW. slope.
79.90	The corner of secs. 14 and 15 only.  Land, rolling to rough mountainous. Soil, gravelly and rocky, 3d rate. Timber, palo verde and ironwood; undergrowth, greasewood, sage, cactus and ocotillo.  -----
0.00	North, bet. secs. 11 and 15.  Desc. 220 ft. over broken NW. slope.
0.99	Point for the cor. of secs. 10 and 15 only, east of the corner of secs. 9, 10, 15, and 16.  Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to underlying rock, and in a mound of stone, 5 ft. base to top, with brass cap mkd.  $\begin{array}{c c} T6N & T6N \\ S 10 & R1E \\ \hline S 15 & S11 \\ R1E & \end{array}$ 1946
	Thence bet. secs. 10 and 11, with continued measurement.
33.20	Wash; 10 lks. wide, course SW.; asc. 15 ft.
38.30	Wash, 20 lks. wide, course SW.; asc. 12 ft.
39.50	Establish witness cor. for $\frac{1}{4}$ sec. cor. of sec. 11 only.

## Subdivision of a Portion of T. 6 N., R. 1 E.

## Chains

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to underlying rock, and in a mound of stone, 4½ ft. base to top, with brass cap mkd.

| WC  
| ¼ S 11  
1946

39.70 Toe of spur, from W.; desc. 10 ft.

40.00 Point for the ¼ sec. cor. of sec. 11 only, falls on S. bank of wash.

40.60 Wash, course S. 20° E.; asc. 23 ft.

40.99 Point for the ¼ sec. cor. of sec. 10 only, 40.00 chs. N. of the SE. cor. of sec. 10, falls in edge of wash.

41.49 Establish witness cor. for ¼ sec. cor. of sec. 10 only.

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

¼ S 10 |  
WC |  
1946

Raise a mound of stone, 3½ ft. base, 2½ ft. high, W. of cor.

Ascend 100 ft. over S. slope.

46.40 Short spur, slopes SW.; asc. 330 ft. over broken SW. slope.

73.30 Divide between Agua Fria and New Rivers, bears S. 60° E. and W.; desc. 210 ft. over N. slope.

80.00 Point for the cor. of secs. 2 and 11 only.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with brass cap mkd.

T6N | T6N  
R1E | S 2  
S10 | S11  
| R1E  
1946

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

Land, rough mountainous.  
Soil, gravelly and rocky, 3d and 4th rate.  
Timber, palo verde and ironwood; undergrowth, cactus, ocotillo, greasewood and sage.

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Subdivision of a Portion of T. 6 N., R. 1 E.

Chains	<p>From the cor. of secs. 2 and 11 only.</p> <p>N. 89° 59' W., bet. secs. 2 and 11.</p> <p>Descend 30 ft. through scattering timber and undergrowth.</p> <p>3.00 Long wash, 25 lks. wide, course S. 35° E.; ascend 690 ft. over NE. slope.</p> <p>28.60 Top of steep ascent, bears N. 30° W. and S. 30° E.; asc. 20 ft. over gentle NE. slope.</p> <p>35.60 Divide between Agua Fria and New Rivers, bears N. 30° W. and S. 30° E.; desc. 90 ft. over W. slope.</p> <p>39.99 Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 2 and 11.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., on a cross (X) on solid rock, and in a mound of stone, 7 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <math display="block">\frac{1}{4} \begin{array}{c} S \ 2 \\ \hline S \ 11 \\ 1946 \end{array}</math> </div> <p>Descend 270 ft. over W. slope.</p> <p>54.60 Ravine, 10 lks. wide, course NW.; asc. 110 ft. over NE. slope.</p> <p>62.60 Top of ascent; along N. slope.</p> <p>65.90 Long spur, slopes NW.; desc. 225 ft. over SW. slope.</p> <p>77.60 Ravine, 5 lks. wide, course N. 60° W.; along S. slope.</p> <p>79.98 The cor. of secs. 2 and 11 only.</p> <p>Land, rough mountainous. Soil, gravelly and rocky, 3d and 4th rate: Timber, palo verde and ironwood; undergrowth, cactus, ocotillo, sage, greasewood and cats claw.</p> <p>-----</p> <p>North, bet. secs. 2 and 10.</p> <p>Descend 40 ft., through timber and undergrowth.</p> <p>1.20 Ravine, 10 lks. wide, course N. 60° W.; asc. 70 ft. over SW. slope.</p> <p>3.49 Point for the cor. of secs. 3 and 10 only, N. 89° 58' E. of the cor. of secs. 3, 4, 9, and 10.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <math display="block">\begin{array}{c c} T6N &amp; T6N \\ S \ 3 &amp; R1E \\ \hline S10 &amp; S \ 2 \\ R1E &amp; \\ \hline &amp; 1946 \end{array}</math> </div> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p>
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## Subdivision of a Portion of T. 6 N., R. 1 E.

Chains	
	North, bet. secs. 2 and 3, with continued measurement.
	Ascend 180 ft. over SW. slope.
12.90	Long spur, slopes NW.; descend 390 ft. over NE. slope.
33.20	Wash, 20 lks. wide, course NW.; asc. 110 ft. over SW. slope.
38.80	Point for the $\frac{1}{4}$ sec. cor. of sec. 3 only, at 40.00 chs. from the North, falls on exposed ledge, in a place unsuitable for a permanent monument.
40.00	Point for the $\frac{1}{4}$ sec. cor. of sec. 2 only.
	Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to underlying rock, and in a mound of stone, 5 ft. base to top, with brass cap mkd.
	$\frac{1}{4}$ S 2 1946
41.20	Establish witness $\frac{1}{4}$ sec. cor. of sec. 3 only.
	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in a rock crevice, and in a mound of stone, 6 ft. base, to top, with brass cap mkd.
	$\frac{1}{4}$ S 3 WC 1946
	Ascend 25 ft. over SW. slope.
42.90	Short spur, slopes W.; desc. 210 ft. over NW. slope.
54.00	Ravine, 8 lks. wide, course N. 60° W.; along W. slope.
67.70	Ascend 110 ft. over SW. slope.
74.02	Establish witness corner for the closing corner of secs. 2 and 3.
	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to underlying rock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	WC T7NR1E S 34 <hr/> S 3   S 2 T6N R1E C C 1946
	This witness corner is on a spur, slopes NW.; descend 215 ft. over NE. slope.
78.80	Intersect the N. bdy. of the Tp.
	Point for the closing corner of secs. 2 and 3; on a precipitous NE. slope.
	From point of intersection the corner point of secs. 34 and 35 only, on the S. bdy. of T. 7 N., R. 1 E., bears S. 89° 53' E., 1.25 chs. dist.

## Subdivision of a Portion of T. 6 N., R. 1 E.

## Chains

Land, rough mountainous.  
Soil, shallow and rocky, 3d and 4th rate.  
Timber, palo verde, ironwood and mesquite; undergrowth,  
cactus, ocotillo, sage, greasewood and cats claw.

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Point for the  $\frac{1}{4}$  sec. cor. of sec. 2 only, at midpoint on  
the N. bdy. of the section.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the  
ground to underlying rock, and in a mound of stone, 4 ft.  
base, to top, with brass cap mkd.

$\frac{1}{4}$  S 2  
1946

From this cor. the  $\frac{1}{4}$  sec. cor. of sec. 35 only, on the  
S. bdy. of T. 7 N., R. 1 E., bears S. 89° 53' E., 1.30  
chs. dist.

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

East, bet. secs. 10 and 15.

Along S. slope, through timber and undergrowth.

2.00 Desc. 110 ft. over SE. slope.

6.90 Ravine, 5 lks. wide, course SW.; asc. 530 ft. over broken  
W. slope.

33.64 From this point U.S.C. & G.S. triangulation station  
"Black" bears N. 9 $\frac{1}{2}$ ° W., 86 lks. dist.; a brass tablet,  
3 ins. diam., set in a malpais stone in place, 30x24x12  
ins. above ~~ins.~~ ground.

33.70 Divide bet. Agua Fria and New Rivers, bears N. 9 $\frac{1}{2}$ ° W.  
and S. 15° E.; desc. 85 ft. over E. slope.

40.21 Point for the  $\frac{1}{4}$  sec. cor. of secs. 10 and 15.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the  
ground to underlying rock, and in a mound of stone, 3 $\frac{1}{2}$   
ft. base to top, with brass cap mkd.

$\frac{1}{4}$   $\frac{S\ 10}{S\ 15}$   
1946

Desc. 450 ft. over E. slope.

60.80 Long wash, 30 lks. wide, course S.; asc. 290 ft. over  
broken W. slope.

80.42 The cor. of secs. 10 and 15 only.

Land, rough mountainous.  
Soil, shallow and rocky, 3d and 4th rate.  
Timber, palo verde and ironwood; undergrowth, greasewood,  
cactus, ocotillo, sage and cats claw.

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## Subdivision of a Portion of T. 6 N., R. 1 E.

## Chains

From the cor. of secs. 3, 4, 9, and 10.

N. 89° 58' E., bet. secs. 3 and 10.

Descend 220 ft. over NE. slope, through timber and undergrowth.

17.20 Ravine, 5 lks. wide, course NW.; asc. 240 ft. over SW. slope.

33.60 Spur, slopes N. 20° W.; desc. 20 ft.

40.20 Point for the  $\frac{1}{4}$  sec. cor. of secs. 3 and 10.

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

$$\frac{1}{4} \frac{S \ 3}{S \ 10}$$

1946

Descend 130 ft. over E. slope.

47.65 Ravine, 10 lks. wide, course N. 20° E.; asc. 110 ft. along steep N. slope.

56.40 Short spur, slopes N.; desc. 35 ft. along broken N. slope.

76.50 Ravine, 15 lks. wide, course N. 60° W.; asc. 70 ft.

80.40 The cor. of secs. 3 and 10 only.

Land, rough mountainous.

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

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

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Final Test of Solar Attachment.

April 2, 1946, in camp in the SW $\frac{1}{4}$  of section 22, T. 6 N., R. 1 E., on the meridian hereinbefore described, at 8 a.m. and 4 p.m., I make the proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument agrees with the meridian established by Polaris observation.

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T. 6 N., R. 1 E.

General Description

The area embraced by this survey is desert mountains. The soil is sandy, gravelly and quite rocky.

The divide between Agua Fria and New Rivers traverses the area in a northeasterly-southwesterly direction, and the drainage in the west and north portions is north to northwest to the Agua Fria River, and in the east portion it is south to southeast towards New River.

The Pleasant Reservoir lies to the west of the area. An earth tank and dam is located in section 12.

Most of the area is covered with a scattering growth of palo verde and ironwood timber, with some mesquite. The undergrowth is cactus, greasewood, sage, cats claw and ocotillo.

There are no patented mineral claims in the area. There has been some prospecting in the past but no present mineral activity is evident.

Stock grazing is the principal industry. There are no roads traversing the area.

The average of a considerable number of readings over all parts of the area gives a value of  $14^{\circ} 30'$  E. for the mean magnetic declination.

41  
25

4-680  
(Revised May 1934)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE

FIELD ASSISTANTS

NAMES	CAPACITY
James C. Bennett	Field Assistant
Donald E. Chapman	Field Assistant
Arthur E. Flynn	Field Assistant
Franklin J. Lichtenhan	Field Assistant
Stephen K. Viggers	Field Assistant
Benjamin U. Young	Field Assistant

BOOK 4814

CERTIFICATE OF SURVEYOR

We, F. Wayne Forrest, Assistant Cadastral Engineer, and Bert E. Wakeman, Senior Engineering Aide, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 24th day of August, 1943, received from the district cadastral engineer for Arizona, with assignment instructions dated January 24, 1946, we have surveyed resurveyed a portion of the south boundary of T. 7 N., R. 1 E., and resurveyed and surveyed a portion of the subdivisional lines, completing the subdivision of T. 6 N., R. 1 E.

of the Gila & 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 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, California, July 10, 1946
Springerville, Arizona, July 12, 1946

F. Wayne Forrest
Assistant Cadastral Engineer
Bert E. Wakeman
Senior Engineering Aide
General Land Office

CERTIFICATE OF APPROVAL

Chief Cadastral Engineer,
OFFICE OF SUPERVISOR OF SURVEYS

Denver, Colorado, March 12, 1947

The foregoing field notes of the survey of resurvey of a portion of the south boundary of T. 7 N., R. 1 E., and the resurvey and survey of a portion of the subdivisional lines, completing the subdivision of T. 6 N., R. 1 E., of the Gila and Salt River Meridian, in the State of Arizona

executed by F. Wayne Forrest, Assistant Cadastral Engineer, and Bert E. Wakeman, Senior Engineering Aide, General Land Office, under special instructions dated August 24, 1943, and assignment instructions dated January 24, 1946, 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.

Acting Chief Cadastral Engineer.

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