

28. 1371  
inches

Original

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
Bureau of Land Management

1000 400

# FIELD NOTES

Of the Survey of

A portion of the North Boundary and Subdivisional Lines

Of

Township 10 North, Range 15 West.

Of the Gila and Salt River Meridian,

In the State of Arizona

### EXECUTED BY

Ty White, Cadastral Engineer

Under special instructions dated June 21, 1946, which provided for the surveys included under Group No. 248, bearing the approval of the Commissioner of the General Land Office under date of July 12, 1946 and assignment instructions dated April 5, 1949.

Survey commenced April 12, 1949

Survey completed April 19, 1949



BOOK 4371

# INDEX DIAGRAM.

Township 10 North, Range 15 West.

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## Chains

The survey of a portion of the N. bdy. and subdivisional lines of T. 10 N., R. 15 W., is executed with a Buff light mountain transit No. 16724, constructed in accordance with the standard specifications of the Bureau of Land Management. The instrument was in good condition, and having been placed in satisfactory adjustment prior to the beginning of the survey, was tested and found free from appreciable error.

All azimuths in this record were determined by solar transit method. The measurements were made with a narrow steel tape, 5 chains in length, graduated to tenths of a link for the first 10 links, every link for the remainder of the first 100 links and the balance at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained by a clinometer in good adjustment; the horizontal equivalents only are entered in this field note record.

April 15, 1949, at a transit point on the grounds of the Tamarix Hotel, in the town of Bouse, Arizona, in the SW.  $\frac{1}{4}$  of sec. 23, T. 7 N., R. 17 W., Gila and Salt River Mer., in latitude  $33^{\circ} 56' 03''$  N., and longitude  $114^{\circ} 00' 15''$  W. as determined from data given with the special instructions, at 6h 46m 06s p.m. l.m.t., I make an hour angle observation of Polaris west of the meridian for azimuth, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal angle from the east edge of a telephone pole approx. 20 chs. northwesterly, N-E to Polaris. My watch reads correct Mountain Standard Time as checked by radio time signals.

Mean watch time of observation	7h 22m 07s
Watch fast of l.m.t.	0h 36m 00s
Mean horizontal deflection angle.	$0^{\circ} 17' 67.5''$
Azimuth of Polaris	$1^{\circ} 09' 26.0''$
True bearing of reference point	N. $1^{\circ} 27' 33.5''$ W.

April 17, 1949, at intervals of one hour from 8 to 10 a.m. and from 2 to 4 p.m., I make 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 data given with the special instructions give the geographic position of the SE. cor. of T. 10 N., R. 15 W., as latitude  $34^{\circ} 09' 34''$  N. and longitude  $113^{\circ} 46' 16''$  W. From this data the SE. cor. of section 1 was computed to be latitude  $34^{\circ} 14' 14''$  N. and longitude  $113^{\circ} 46' 16''$  W.

The mean magnetic declination is  $15^{\circ}$  F.

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North Boundary of T. 10 N., R. 15 W.  
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From the cor. of secs. 3, 4, 33 and 34, which is monumented with an iron post, 3 ins. diam., firmly set, marked and witnessed as described in the official record

S.  $89^{\circ} 53'$  E., bet. secs. 3 and 34.

Over mountainous land, through scattering timber.

Ascend 83 ft. over a NW. slope.

5.60 Spur, slopes S.  $40^{\circ}$  W. from E.; thence along top of same.

## North Boundary of T. 10 N., R. 15 W.

Chains	
12.40	Leave top of spur, from SE.; desc. 31 ft. over a NE. slope.
15.40	Ravine, course N. 60° W.; asc. 49 ft. over a SW. slope.
19.40	Spur, slopes S.; desc. 219 ft. over an E. slope.
31.00	Head of a ravine, course S. 60° E.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34. Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, with brass cap mkd.
	$\begin{array}{r} S\ 34 \\ \hline S\ 3 \\ 1949 \end{array}$
	raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
44.45	Ravine, course S.; asc. 77 ft. over a W. slope.
46.80	Spur, slopes S.; desc. 112 ft. over an E. slope.
58.70	Wash, 50 lks. wide in bottom of canyon, course S. 30° W.; asc. 262 ft. over a steep W. slope.
70.50	Top of a long spur, slopes S. 10° W. from N. 10° W.; desc. 83 ft. over an E. slope.
80.00	Point for the cor. of secs. 2, 3, 34 and 35. Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.
	$\begin{array}{c} T\ 11\ N\ R\ 15\ W \\ S\ 34\  S\ 35 \\ S\ 3\  S\ 2 \\ T\ 10\ N \\ 1949 \end{array}$
	Bury a granite stone, mkd. X alongside the iron post.
	Land, mountainous. Soil, rocky. Timber, palo verde.
	-----
	S. 89° 53' E., bet. secs. 2 and 35.
	Over mountainous land, through scattering timber.
	Descend 30 ft. over a NE. slope.
0.50	Ravine, course S. 20° E.; asc. 31 ft. over a SW. slope.
5.70	Spur, slopes S. 70° E. from N. 30° W.; desc. 205 ft. over an E. slope.
11.50	Deep ravine, course S. 45° E.; asc. 96 ft. over a SW. slope.
22.40	Point of a spur, slopes S. 45° E.; desc. 85 ft. over a NE. slope.
28.00	Foot of steep descent, bears N. 40° W. and S. 40° E.; thence across bench land.

Chains 36.00	Wash, 20 lks. wide, 3 ft. deep, course S.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35. Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, with brass cap mkd. <div style="text-align: center;">S 35 <hr style="width: 50px; margin: 0 auto;"/>S 2 1949</div>
	raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. Continue over bench land, across a series of deep ravines and low, narrow spurs; general drainage, S.
41.00	Low spur, slopes S.; desc. 55 ft. over a cut bank.
46.00	Center of wash, 3 chs. wide, course S.; asc. 60 ft. over a cut bank.
52.00	Top of low spur, slopes S.; desc. 43 ft. over an E. slope.
56.65	Wash, 20 lks. wide, course S.; asc. 66 ft. over a W. slope.
66.00	Top of low spur, slopes S.; desc. 24 ft. over an E. slope.
69.00	Deep ravine, course S.; asc. 102 ft. over a SW. slope.
77.20	Spur, slopes S.; desc. 64 ft. over an E. slope.
80.00	Point for the cor. of secs. 1, 2, 35 and 36 falls on solid surface rock sloping steeply into a ravine. At a point S. 89° 53' E., 50 lks. dist. Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock, and in a mound of stone to top for witness corner of secs. 1, 2, 35 and 36, with brass cap mkd. <div style="text-align: center;">T 11 N R 15 W WC S 35   S 36 S 2   S 1 T 10 N 1949</div>
	Bury a malpais stone mkd. X alongside the iron post. Land, broken and hilly. Soil, rocky and gravelly. Timber, palo verde.
	----- From the true point for the cor. of secs. 1, 2, 35 and 36. S. 89° 53' E., bet. secs. 1 and 36. Over hilly and broken land, through scattering timber.
0.20	Ravine, course S.; asc. 118 ft. over a W. slope.
0.50	The witness corner of secs. 1, 2, 35 and 36.
5.50	Spur, slopes S.; desc. 53 ft. over an E. slope.
8.45	Wash, 10 lks. wide, drains S.; asc. 68 ft. along a S. slope.
12.50	Point of a spur, slopes S.; desc. 45 ft. along a S. slope.

North Boundary of T. 10 N., R. 15 W.

Chains	
14.20	Ravine, course S.; asc. 73 ft. over a W. slope.
16.60	Spur, slopes S.; desc. 107 ft. over an E. slope.
21.30	Wash, 20 lks. wide, course S.; asc. 33 ft. over a W. slope.
24.70	Spur, slopes S.; desc. 23 ft. over an E. slope.
26.45	Ravine, course S.; asc. 23 ft. over a W. slope.
27.70	Spur, slopes S.; desc. 26 ft. over an E. slope.
29.70	Wash, 15 lks. wide, course S.; asc. 26 ft. over a W. slope.
32.70	Spur, slopes S.; desc. 43 ft. over an E. slope.
33.90	Road, bears NE. to Yucca and SW. to the Lopez ranch and Bouse.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.  Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.  <div style="text-align: center;"> <p>S 36</p> <hr style="width: 50px; margin: 0 auto;"/> <p>S 1</p> <p>1949</p> </div>
	Bury a malpais stone, mkd. X alongside the iron post.
41.50	Center of a wash, 2 chs. wide, course S.; asc. 38 ft. over a W. slope.
51.20	Long, low spur, slopes S. 20° E.; desc. 85 ft. over an E. slope.
60.70	Wash, 30 lks. wide, course SE.; asc. 303 ft. over the SW. slope of a high malpais mountain.
78.37	The cor. of Tps. 10 and 11 N., Rs. 14 and 15 W., which is monumented with an iron post, 3 ins. diam., firmly set, marked and witnessed as described in the official record. This cor. is changed to a cor. of Tps. 10 N., Rs. 14 and 15 W. only.  Change the markings on the brass cap to read.  <div style="text-align: center;"> <p>R 15 W   R 14 W</p> <p>S 1   S 6</p> <hr style="width: 50px; margin: 0 auto;"/> <p>T 10 N</p> <p>1913</p> </div>
	Land, E. 20 chs., mountainous; remainder broken and hilly. Soil, rocky and gravelly. Timber, palo verde.

Subdivision of T. 10, N., R. 15 W.

BOOK 400

Chains	
	From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp.
	S. 0° 01' E., bet. secs. 2 and 3.
	Over mountainous land, through scattering timber.
0.50	Small ravine, course E.; asc. 60 ft. over a N. slope.
5.10	Spur, slopes E.; desc. 97 ft. over a S. slope.
8.40	Ravine, course S. 60° E.; asc. 97 ft. over a N. slope.
10.50	Spur, slopes SE.; desc. 164 ft. over a SW. slope.
14.35	Ravine, course SE.; asc. 68 ft. over a NE. slope.
17.70	Spur, slopes S. 20° E.; desc. 296 ft. over a SW. slope.
23.00	Recross spur, slopes SW.; continue descent over a SE. slope.
31.25	Ravine, course SE.; asc. 132 ft. over a NE. slope.
36.25	Spur, slopes SE.; desc. 119 ft. over a S. slope.
39.50	Enter bottom land, bears E. and W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
	Set an iron post, 3 feet long, 1 in. diam., 28 ins. in the ground, with brass cap mkd.
	$\frac{1}{4}$ S 3   S 2 1949
	raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Across river bottom.
41.00	Right bank of the Williams River, 4 ft. high, bears E. and W.; thence across the river bed, stream of clear running water, 20 lks. wide 1 ft. deep.
51.10	Left bank of the Williams River, 4 ft. high, bears E. and W.
53.00	Leave river bottom land, bears NE. and SW.; asc. 71 ft. over a steep NW. slope.
55.50	Enter bench land, bears E. and W.; thence across top of same.
64.30	Leave bench land, bears N. 70° W. and S. 70° E.; desc. 50 ft. over a bluff, faces SW.
68.00	Wash, 20 lks. wide, course N. 50° W.; asc. 99 ft. along the top of a spur, slopes N.
80.00	Point for the cor. of secs. 2, 3; 10 and 11.
	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

T 10 N R 15 W

S 3 | S 2  
S 10 | S 11  
1949

Bury a malpais stone marked with X alongside the iron post.

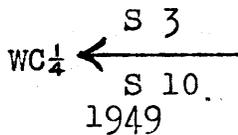
Land, N. half mile; mountainous, remainder excepting river bottom; hilly and broken.  
Soil, mountainous and hilly portion; rocky and gravelly.  
In river bottom, sandy loam.  
Timber, mountainous and hilly portion: palo verde. In river bottom: mesquite and cottonwood.

N. 89° 55' W., bet. secs. 3 and 10.

Over hilly and broken land, through scattering timber.

Descend 28 ft. over a NW. slope.

- 4.70 Ravine, course N.; asc. 57 ft. over an E. slope.
- 9.80 Spur, slopes N. 10° E.; desc. 95 ft. over a W. slope.
- 18.15 Ravine, course NW.; asc. 95 ft. over an E. slope.
- 19.70 Spur, slopes N.; desc. 124 ft. over a W. slope.
- 26.35 Ravine, course N.; asc. 112 ft. over an E. slope.
- 32.20 Spur, slopes N.; desc. 189 ft. over a steep W. slope.
- 36.00 Enter river bottom land, bears N. 45° E. and S. 45° W.
- 38.37 Point for the witness  $\frac{1}{4}$  sec. cor. of secs. 3 and 10.  
Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, with brass cap mkd.



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

- 38.70 Left bank of the Williams River, 3 ft. high, bears N. 45° E. and S. 45° W.; thence across river bed.
- 40.07 Point for the  $\frac{1}{4}$  sec. cor. falls in the Williams River bed.
- 44.50 Left bank of the Williams River, bears N. 45° W. and S. 45° E.; asc. 36 ft. over a bluff.
- 45.50 Top of rocky point; desc. 52 ft. over a bluff.
- 46.50 Left bank of the Williams River, bears N. 45° E. and S. 45° W.
- 51.50 Left bank of the Williams River, bears N. 45° W. and S. 45° E.; asc. 149 ft. along a N. slope.
- 52.00 Ravine, course N.; continue ascent over a SE. slope.
- 62.20 Spur, slopes N.; desc. 44 ft. over a W. slope.
- 64.70 Ravine, course N.; asc. 44 ft. over an E. slope.

## Subdivision of T. 10 N., R. 15 W.

Chains	
72.50	Spur, slopes N.; desc. 88 ft. over a W. slope.
80.14	The cor. of secs. 3, 4, 9 and 10, which is monumented with an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.
	Land, hilly and broken. Soil, broken and hilly land, rocky and gravelly; in river bottom, sandy loam. Timber, on broken and hilly land, palo verde; in river bottom, mesquite.
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	From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp.
	S. 0° 01' E., bet. secs 1 and 2.
	Over hilly and broken land, through scattering timber. Descend 46 ft. along an E. slope.
2.60	Ravine, course SW.; asc. 46 ft. over a N. slope.
7.90	Spur, slopes S. 60° W.; desc. 75 ft. over a SE. slope.
16.50	Center of a wash, 2 chs. wide, course S. 30° W.; asc. 49 ft. over a N. slope.
21.20	Spur, slopes W.; desc. 52 ft. over a S. slope.
23.25	Ravine, course W.; asc. 52 ft. over a N. slope.
24.90	Spur, slopes SW.; desc. 77 ft. over a S. slope.
25.20	Road, bears NE. to Yucca and SW. to the Lopez Ranch and Bouse.
28.45	Right bank of wash, bears S. 45° W. and N. 45° E.
32.00	Right bank of wash, bears S. 45° E. and N. 45° W.; asc. 83 ft. over a N. slope.
36.50	Top of a peak on a spur, which slopes S. from N. 30° W.; desc. 85 ft. over a S. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.  Set an iron post, 3 ft. long, 1 in. diam. 28 ins. in the ground, with brass cap mkd.  $\frac{1}{4}$ S 2   S 1 1949.  raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Descend 46 ft. over a S. slope.
50.00	Enter bottom land, bears E. and W.
51.80	Wire fence, bears E. and W.
58.30	From this point, SW. corner of a house, bears N. 79° 40' E. 87 lks. dist.; NW. corner of a house, bears S. 53° 10' E. 140 lks. dist.; SE. corner of a shed, bears N. 24° 30' W. 39 lks. dist.

Subdivision of T. 10 N., R. 15 W.

Chains	
60.00	Irrigation ditch, 8 lks. wide, 1 ft. deep, course W.; enter cultivated field, bears E. approx. 12 chs. dist. and W., approx. 10 chs. dist.
63.15	Leave cultivated field, bears N. 70° W. and S. 70° E.
72.70	Point for the witness corner of secs. 1, 2, 11 and 12. Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, with brass cap mkd.
	T 10 N R 15 W S 2   S 1 S 11   S 12 WC 1949
	from which
	A mesquite, 8 ins. diam., bears N. 41½° E., 113 lks. dist., mkd. X B T.
	A mesquite, 3 ins. diam., bears S. 62½° E., 124 lks. dist., mkd. X B T.
	A mesquite, 4 ins. diam., bears S. 7½° W., 72 lks. dist., mkd. X B T.
	A mesquite, 6 ins. diam., bears N. 6½° W., 229 lks. dist., mkd. X B T.
74.00	Wire fence, bears E. and W.
74.60	Road, bears E. and W.
75.20	Right bank of the Williams River, bears E. and W.
80.00	Point for the cor. of secs. 1, 2, 11 and 12 falls in the bed of the Williams River. Land, N. 40 chs. broken and hilly; S. 40 chs. nearly level. Soil, N. 40 chs. rocky and gravelly; S. 40 chs. gravelly loam and the cultivated area is sandy loam. Timber, N. 40 chs., palo verde; S. 40 chs., mesquite and cottonwood.
	N. 89° 55' W., bet. secs. 2 and 11. Across the Williams River bed.
13.50	Left bank of the Williams River, bears N. 70° W. and S. 70° E.; asc. 60 ft. over a bluff, faces NE.
14.90	Spur, slopes NW.; desc. 51 ft. over a W. slope.
17.65	Foot of descent; asc. 77 ft. over an E. slope.
28.55	Top of ascent; thence across top of a spur, slopes N.
34.60	Descend 69 ft. over a W. slope.
38.05	Wash, 20 lks. wide, course N.
40.02	Point for the ¼ sec. cor. of secs. 2 and 11. Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, with brass cap mkd.

## Subdivision of T. 10 N., R. 15 W.

BOOK 471

Chains

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

S 11

raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.  
Ascend 22 ft. over an E. slope.

45.55 Spur, slopes N.; desc. 31 ft. over a W. slope.

48.05 Wash, course N.; asc. 70 ft. over a steep E. slope.

52.65 Top of ascent; thence across flat topped spur, slopes N.

62.85 Ravine, course N.

71.45 Ravine, course N.

77.55 Ravine, course N.

80.04 True point for the cor. of secs. 2, 3, 10 and 11.

Land, E. 14 chs., level; remainder, broken and hilly.  
Soil, E. 14 chs. sandy river bed; remainder, rocky and  
gravelly.

Timber, palo verde.

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From the cor. of secs. 1, 6, 7 and 12 on the E. bdy. of  
the Tp., which is monumented with an iron post, 3 ins.  
diam., firmly set, marked and witnessed as described in  
the official record.

N. 89° 49' W., bet. secs. 1 and 12.

Over mountainous land, through scattering timber.

Ascend 41 ft. over an E. slope.

1.40 Top of ascent; thence along a N. slope.

7.70 Spur, slopes N.; desc. 185 ft. over a steep W. slope.

13.40 Enter river bottom land, bears N. and S.

16.39 Left bank of the Williams River, bears N. 60° E. and  
S. 60° W.; clear running water, 30 lks. wide, 1 ft. deep.34.90 Right bank of the Williams River, bears N. 70° E. and  
S. 70° W.; thence across bottom land, through dense  
mesquite and cottonwood timber and arrow weed undergrowth.38.39 Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 12.

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the  
ground, with brass cap mkd.

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

S 12  
1949

from which

A cottonwood, 14 ins. diam., bears N. 36 $\frac{1}{4}$ ° E., 94 lks.  
dist., mkd.  $\frac{1}{4}$  S 1 B T.

A cottonwood, 10 ins. diam., bears S. 55 $\frac{1}{4}$ ° E., 43 lks.  
dist., mkd.  $\frac{1}{4}$  S 12 B T.

Chains	
39.15	Irrigation ditch, 8 lks. wide, 1 ft. deep, course S. 80° W.
52.25	A low rocky point, slopes S.
71.40	Right bank of the Williams River, bears S. 70° E., and N. 70° W.,
73.20	Road, bears N. to Lopez Ranch and Yucca, and S. to Bouse.
78.39	The true point for the cor, of secs. 1, 2, 11 and 12.
	Land, E. 13 chs., mountainous; remainder nearly level.
	Soil, E. 13 chs., rocky and gravelly; remainder sandy loam and sand in the river bed.
	Timber, E. 13 chs. palo verde; remainder, cottonwood and mesquite; undergrowth, arrow weed.

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#### Test of Solar Orientation

April 19, 1949, at 8 a.m. and 2 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".

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#### General Description

The land in sections 1, 2, and 3, T. 10 N., R. 15 W., with the exception of the narrow valley along the Williams River, is mountainous, broken and hilly. The elevation above sea level ranges from 760 ft. in the river bottom to 1400 ft. in the NW. part of section 3. The soil in the mountainous and hilly area is rocky and gravelly of lava and granite formation; the bottom land along the Williams River, which runs through the south part of the sections, is of sandy loam. At the time of this survey there was a stream of clear running water, 30 lks. wide, 1 ft. deep in the Williams River. The water from this river furnishes irrigation for the ranch of Leo Lopez, which is located in the SE.  $\frac{1}{4}$  of section 2 and the SW.  $\frac{1}{4}$  of section 1. There are no other settlers in these sections. There is a scattering growth of Palo verde timber on the mountainous area and a good growth of mesquite and cottonwood in the river bottomland. The road from Bouse to Yucca crosses the river and enters section 1 about 5 chains east of the corner of sections 1, 2, 11 and 12 and leaves section 1 about 6 chains west of the  $\frac{1}{4}$  sec. cor. of sections 1 and 36 on the N. boundary of the township.

East boundary surveyed by Sidney E. Blout in 1913; portion of the north and west boundaries and subdivisional lines surveyed by Alexander T. Harris and John Gonin in 1916.



CERTIFICATE OF SURVEYOR

I, Ty White, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 21st day of June, 1946 and 22nd day of March, 1949 received from the regional cadastral engineer for Arizona, with assignment instructions dated April 5, 1949, I have surveyed a portion of the North Boundary and Subdivisional Lines of Township 10 North, Range 15 West.

of the G. & S. R. 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 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
May 6, 1949

Ty White
Cadastral Engineer.

CERTIFICATE OF APPROVAL

Bureau of Land Management
Washington, D. C.

NOV 17 1949

The foregoing field notes of the survey of a portion of the North Boundary and Subdivisional Lines of Township 10 North, Range 15 West

executed by Ty White, under special instructions dated June 21, 1946 and March 22, 1949, and assignment instructions dated April 5, 1949, 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.

Earl G. Harbington
Chief, Division of Engineering.

CERTIFICATE OF TRANSCRIPT

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

Supervisor of Surveys