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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BOOK 4398

FIELD NOTES

Of the Survey of the West Boundary

and

A Portion of the South Boundary and Subdivisional Lines

of

T. 2 S., R. 19 W.

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Ty White, Cadastral Engineer

Under special instructions dated March 18, 1952, which provided
for the surveys included under Group No. 282, approved March 24, 1952
and assignment instructions dated March 24, 1952

Survey commenced April 10, 1952

Survey completed April 18, 1952

4398

1A

BOOK 4398

INDEX DIAGRAM

Township 2 SOUTH, Range 19 WEST

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T. 2 S., R. 19 W.

BOOK 4698

Chains

This survey was executed with a light mountain solar transit, made by W. and L. E. Gurley, serial No. 461263, 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.

Directions of the lines were determined by the 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.

The geographic position of the corner of secs. 5, 6, 31 and 32 on the S. bdy. of T. 2 S., R. 19 W. as determined from ties to the U. S. Coast and Geodetic triangulation station "Divide" in sec. 20 is latitude $33^{\circ} 12' 14.5''$ N. and longitude $114^{\circ} 15' 03.8''$ W.

February 6, 1952, at camp near the cor. of sections 16, 17, 20 and 21, T. 2 N., R. 19 W., in approximate latitude $33^{\circ} 30' N.$, and longitude $114^{\circ} 14' W.$ as determined from data given with the special instructions, elevation approximately 1150 ft., I make an hour angle observation on Polaris W. of the meridian for azimuth and latitude, making four observations, two each with the telescope in direct and reversed positions, observing simultaneously the vertical angle to Polaris and the horizontal angle from the E. edge of a Sahuaro Cactus approximately 15 chains northwesterly, E. to Polaris. My watch reads correct 105th meridian time as checked with radio time signals.

Mean watch time of observation	6h 21m 36.2s p.m.
Watch fast of l.m.t.	0h 36m 54.0s
Mean horizontal deflection angle	9° 01' 00.0"
Azimuth of Polaris	0° 17' 49.0"
True bearing of reference point	N. 9° 18' 49.0" W.
Mean observed vertical angle	34° 26' 54.0"
Reduced latitude	33° 30' 19.0" N.

April 6, 1952, at half hour intervals from 8:00 a.m. to 4:00 p.m., I make orientation tests of Gurley transit No. 461263, including a latitude test by noon observation. The tests give a maximum error in orientation of less than $1' 30''$.

The observed magnetic declination is $14^{\circ} E.$

Portion, S. Bdy. T. 2 S., R. 19 W.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., which is monumented with an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.

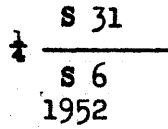
WEST, bet. secs. 6 and 31.

Over gently rolling land, through scattering timber and undergrowth; desc. W. slope.

4.80	Power line, bears N. $20^{\circ} E.$ and S. $20^{\circ} W.$
4.95	Power line road, bears N. $20^{\circ} E.$ and S. $20^{\circ} W.$
17.10	Wash, 30 lks. wide, course SW.
23.70	Gas line, bears N. and S.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.
	Set an iron post, 3 ft. long, 3 ins. diam., 28 ins. in the ground, with brass cap mkd.

Portion, S. Bdy. T. 2 S., R. 19 W.

Chains



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

46.30 Wash, 20 lks. wide, course SW.

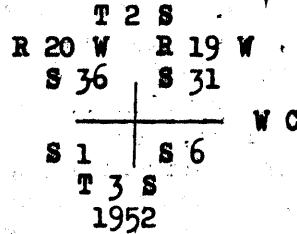
59.30 Wash, 20 lks. wide, course SW.

69.50 Center of State Highway No. 95, bears N. 22° 22' E. and S. 22° 22' W.

74.00 Banter wash bottom, bears N. and S.

78.58 True point for the cor. of Tps. 2 and 3 S., Rs. 19 and 20 W. falls in the edge of a channel of a wash, course S., impracticable to set monument.

At a point 20 lks. W. of true point, set an iron post, 3 ft. long, 3 ins. diam., 28 ins. in the ground for witness corner monument, with brass cap mkd.



from which

An ironwood, 10 ins. diam., bears S. 52° 45' W., 15 lks. dist., mkd. X at breast height and B T at base.

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

Land, rolling.

Soil, gravelly and sandy.

Timber, ironwood, mesquite and palo verde; undergrowth, greasewood.

West Bdy. T. 2 S., R. 19 W.

From the true point for the cor. of Tps. 2 and 3 S., Rs. 19 and 20 W.

NORTH, bet. secs. 31 and 36.

Across wash bottom.

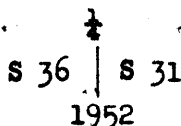
16.80 Leave wash bottom, bears NE. and SW.; asc. across point of spur, slopes E.

28.40 Top of ascent; desc. 46 ft. over NE. slope.

38.35 Wash, 50 lks. wide, course SE.

40.00 Point for the ¼ sec. cor. of secs. 31 and 36.

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



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

West Bdy. T. 2 S. R. 19 W.

Chains																			
76.80	Right bank of wash, bears NW. and SE.																		
79.50	Left bank of wash, bears NW. and SE.																		
80.00	Point for the cor. of secs. 25, 30, 31 and 36.																		
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in ground, with brass cap mkd.																		
	<table style="margin: auto;"> <tr><td></td><td>T 2 S</td><td></td></tr> <tr><td>R 20 W</td><td></td><td>R 19 W</td></tr> <tr><td>S 25</td><td> </td><td>S 30</td></tr> <tr><td colspan="3" style="border-top: 1px solid black;"></td></tr> <tr><td>S 36</td><td> </td><td>S 31</td></tr> <tr><td colspan="3" style="border-top: 1px solid black;">1952</td></tr> </table>		T 2 S		R 20 W		R 19 W	S 25		S 30				S 36		S 31	1952		
	T 2 S																		
R 20 W		R 19 W																	
S 25		S 30																	
S 36		S 31																	
1952																			
	raise a mound of stone, $2\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of cor.																		
	Land, rolling.																		
	Soil, gravelly and sandy.																		
	Timber, ironwood, palo verde and mesquite; undergrowth, greasewood.																		
	NORTH, bet. secs. 25 and 30.																		
	Over rolling land, through scattering timber and undergrowth.																		
12.00	Wash, 40 lks. wide, course SW.																		
22.00	Wash, 30 lks. wide, course SW.																		
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.																		
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.																		
	<table style="margin: auto;"> <tr><td></td><td>$\frac{1}{4}$</td><td></td></tr> <tr><td>S 25</td><td> </td><td>S 30</td></tr> <tr><td colspan="3" style="border-top: 1px solid black;">1952</td></tr> </table>		$\frac{1}{4}$		S 25		S 30	1952											
	$\frac{1}{4}$																		
S 25		S 30																	
1952																			
	raise a mound of stone, $2\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of cor.																		
	Ascend 61 ft. along E. slope.																		
46.90	Top of point of spur, slopes E.; desc. 55 ft. along E. slope.																		
51.50	Right bank of wash, bears NW. and SE.																		
65.00	Left bank of wash, bears NW. and SE.																		
76.80	Begin ascent of 30 ft. over SW. slope.																		
80.00	Point for the cor. of secs. 19, 24, 25 and 30.																		
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 28 ins. in the ground, with brass cap mkd.																		
	<table style="margin: auto;"> <tr><td></td><td>T 2 S</td><td></td></tr> <tr><td>R 20 W</td><td></td><td>R 19 W</td></tr> <tr><td>S 24</td><td> </td><td>S 19</td></tr> <tr><td colspan="3" style="border-top: 1px solid black;"></td></tr> <tr><td>S 25</td><td> </td><td>S 30</td></tr> <tr><td colspan="3" style="border-top: 1px solid black;">1952</td></tr> </table>		T 2 S		R 20 W		R 19 W	S 24		S 19				S 25		S 30	1952		
	T 2 S																		
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S 24		S 19																	
S 25		S 30																	
1952																			
	raise a mound of stone, $2\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of cor.																		
	Land, rolling.																		
	Soil, gravelly and sandy.																		
	Timber, ironwood, palo verde and mesquite; undergrowth, greasewood.																		

West Bdy. T. 2 S., R. 19 W.

Chains

NORTH, bet. secs. 19 and 24.

Over mountainous land, through scattering timber.

Ascend 238 ft. over SW. slope.

14.20 Spur, slopes SE.; desc. 199 ft. over NE. slope.

35.00 Old road, bears E. and W.

37.40 Wash, 30 lks. wide, course SE.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
$$\begin{array}{c} \frac{1}{4} \\ \text{S } 24 \text{ | S } 19 \\ 1952 \end{array}$$
raise a mound of stone, $2\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of cor:

Ascend 65 ft. over S. slope.

44.90 Spur, slopes E.; desc. 52 ft. over N. slope.

56.70 Wash, 50 lks. wide, course SE.; asc. 61 ft. over SW. slope.

68.20 Spur, slopes SE.; desc. 50 ft. over NE. slope.

72.00 Wash, 20 lks. wide, course SE.; asc. 40 ft. over S. slope.

77.20 Old road, bears E. and W.

78.19 Top of ascent and low divide, bears E. and W.

80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to solid rock and in a mound of stone to top, with brass cap mkd.
$$\begin{array}{c} \text{T } 2 \text{ S} \\ \text{R } 20 \text{ W } \quad \text{R } 19 \text{ W} \\ \text{S } 13 \text{ | S } 18 \\ \text{S } 24 \text{ | S } 19 \\ 1952 \end{array}$$

Land, mountainous.

Soil, rocky and gravelly.

Timber, Palo verde and ironwood; undergrowth, greasewood.

NORTH, bet. secs. 13 and 18.

Over rolling land, through scattering timber.

1.50 Old road, bears E. and W.

21.00 Low spur, slopes N. 80° E.; desc. 29 ft. over N. slope.

27.50 Ravine, course NE.; asc. SE. slope.

34.20 Low spur, slopes NE.; desc. NW. slope.

38.60 Ravine, course NE.

Chains
40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, with brass cap mkd.

$\frac{1}{4}$
 S 13 | S 18
 1952

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

52.50 Low spur, slopes N. 70° E., desc. 14 ft. over NW. slope.

57.90 Ravine, course NE.; asc. 23 ft. over SE. slope.

67.60 Low spur, slopes E.

69.70 Ravine, course E.

76.00 Low spur, slopes E.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, with brass cap mkd.

T 2 S
 R 20 W | R 19 W
 S 12 | S 7
 S 13 | S 18
 1952

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

Land, rolling.

Soil, rocky and gravelly.

Timber, palo verde and ironwood; undergrowth, greasewood.

NORTH, bet. secs. 7 and 12.

Over mountainous land, through scattering timber and undergrowth.

12.40 Wash, 10 lks. wide, 5 ft. deep, course E.; asc. 80 ft. over SW. slope.

31.10 Spur, slopes SE.; desc. 50 ft. along E. slope. across saddle in low ridge, bears NE. and SW.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, with brass cap mkd.

$\frac{1}{4}$
 S 12 | S 7
 1952

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

42.20 Ravine, course W.; asc. 33 ft. over S. slope.

46.40 Small peak on a spur, slopes W.; desc. $3\frac{1}{4}$ ft. over N. slope.

51.30 Ravine, course W.; asc. 153 ft. over S. slope.

61.50 High ridge spur, slopes N. 80° W.; desc. 232 ft. over N. slope.

80.00 Point for the cor. of secs. 1, 6, 7 and 12, falls in a wash, 5 lks. wide, 3 ft. deep; impracticable to monument the corner.

West Bdy. T. 2 S., R. 19 W.

Chains

Land, mountainous.
Soil, rocky and gravelly.
Timber; palo verde and ironwood; undergrowth, greasewood.

From the true point for the cor. of secs. 1, 6, 7 and 12.

NORTH, bet. secs. 1 and 6.

Over mountainous land, through scattering timber and undergrowth.

0.70 Point for the witness corner of secs. 1, 6, 7 and 12.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, with brass cap mkd.

```

      T 2 S
R 20 W | R 19 W
      S 1 | S 6
      ---|---
      S 12 | S 7
           |
           W 0
           1952
  
```

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

6.70 Road, bears E. and W.

9.80 Wash, 15 lks. wide, 10 ft. deep, course E.; asc. 154 ft. over SE. slope.

10.20 Road, bears E. and W.

23.80 Point of spur, slopes E.; desc. 74 ft. over N. slope.

33.20 Wash, 20 lks. wide, 4 ft. deep, course E.

34.10 Road, bears E. and W.

40.00 Point for the ¼ sec. cor. of secs. 1 and 6.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, with brass cap mkd.

```

      ¼
      |
      S 1 | S 6
      1952
  
```

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

46.90 Wash, 50 lks. wide, 10 ft. deep, course S. 10° E. for 1 chain, then E.; asc. 163 ft. over SW. slope.

64.20 Spur, slopes W.; thence across head of a ravine, course W.

68.98 Intersect the S. bdy. of T. 1 S., R. 20 W., the point for the closing corner of secs. 1 and 6, T. 2 S., Rs. 19 and 20 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.

```

      T 1 S | R 20 W
      S 36
      ---|---
      S 1 | S 6
R 20 W | R 19 W
      T 2 S
      C C
      1952
  
```


West Bdy. T. 2 S., R. 19 W.

Chains

From the point of intersection, the cor. of T. 1 S., R. 20W., bears EAST, 3.77 chs. dist., and is monumented with an iron post, 3 ins. diam., firmly set, marked and witnessed as described in the official record.

From the same point, the $\frac{1}{4}$ sec. cor. of secs. 1 and 36, Ts. 1 and 2 S., R. 20 W.; bears WEST, 36.25 chs. dist., and is monumented with an iron post, 1 in. diam., firmly set, marked and witnessed as described in the official record.

Land, mountainous.

Soil, rocky and gravelly.

Timber, palo verde and ironwood; undergrowth, greasewood.

Subdivision of T. 2 S., R. 19 W.

Beginning the subdivisional survey at the cor. of secs. 20, 21, 28 and 29, which is monumented with an iron post, 2 ins. diam., firmly set marked and witnessed as described in the official record.

N. 0° 02' W., bet. secs. 20 and 21.

Over mountainous land, through scattering timber and undergrowth.

Descend 115 ft. over SE. slope.

10.10 Wash, 30 lks. wide, course S. 80° W.; asc. 83 ft. over S. slope.

15.10 Spur, slopes W.; desc. 52 ft. over N. slope.

18.00 Ravine, course W.; asc. 50 ft. along SW. slope of a spur.

26.70 Spur, slopes NW.; desc. 69 ft. over NE. slope.

37.00 Wash, 15 lks. wide, course S. 60° W.; asc. 20 ft. over S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 21.

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

$\frac{1}{4}$
 S 20 | S 21
 1952

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

42.50 Spur, slopes W.; desc. 22 ft. over N. slope.

46.90 Wash, 30 lks. wide, course SW.; asc. 32 ft. over S. slope.

51.00 Low spur, slopes W.; desc. 40 ft. over N. slope.

56.40 Wash, 20 lks. wide, course SW.; asc. 95 ft. over S. slope.

56.70 Old road, bears E. and W.

62.90 Top of ascent, enter rolling land, bears E. and W.; desc. 60 ft. over gradual N. slope.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

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

Subdivision of T. 2 S., R. 19 W.

Chains

T 2 S R 19 W	
S 17	S 16
S 20	S 21
1952	

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

Land, S. 60 chs. mountainous, remainder of mile rolling.
Soil, rocky and gravelly.
Timber, palo verde and ironwood; undergrowth, greasewood.

From the cor. of secs. 15, 16, 21 and 22, which is monumented with an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.

N. 89° 53' W., bet. secs. 16 and 21.

Over rolling land, through scattering timber and undergrowth.

20.70 Wash, 20 lks. wide, course N.

26.90 Low spur, slopes N.

38.00 Wash, 10 lks. wide, course NW.

39.95 Point for the ¼ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

S 16	
¼	—
S 21	
1952	

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

79.90 The cor. of secs. 16, 17, 20 and 21.

Land, rolling.
Soil, sandy and gravelly.
Timber, palo verde and ironwood; undergrowth, greasewood.

N. 0° 02' W., bet. secs. 16 and 17.

Over gently rolling land, through scattering timber and undergrowth.

16.70 Road, bears NE. and SW.

36.80 Wash, 10 lks. wide, course SW.

40.00 Point for the ¼ sec. cor. of secs. 16 and 17.

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

¼	
S 17	S 16
1952	

dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Subdivision of T. 2 S., R. 19 W.

Chains

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

T 2 S R 19 W
S 8 | S 9

S 17 | S 16
1952

dig pits, 18x18x12 ins., in each section, 3 ft. dist.

Land, rolling.

Soil, sandy and gravelly.

Timber, palo verde, ironwood and mesquite; undergrowth, greasewood.

From the cor. of secs. 9, 10, 15 and 16, which is monumented with an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.

N. 89° 50' W., bet. secs. 9 and 16.

Over gently rolling land, through scattering timber and undergrowth.

0.25 Wash, 10 lks. wide, course NW.; asc. 23 ft. over NE. slope.

7.60 Top of point of a spur, slopes N.; desc. 40 ft. over NW. slope.

15.20 Wash, 10 lks. wide, course NW.; asc. 40 ft. over E. slope.

20.20 Spur, slopes N.; desc. 61 ft. over W. slope.

29.90 Foot of descent, bears N. and S.

39.96 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

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

S 9

S 16
1952

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

47.70 Wash, 40 lks. wide, course SW.

53.20 Recross wash, 40 lks. wide, course N. 70° W.

62.20 Wash, 40 lks. wide, course NW.

78.30 Road, bears NW. and SE.

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

Land, rolling.

Soil, sandy and gravelly.

Timber, palo verde, ironwood and mesquite; undergrowth, greasewood.

N. 0° 02' W., bet. secs. 8 and 9.

Over gently rolling land, through scattering timber and undergrowth.

1.60 Road, bears NW. and SE.

19.40 Gas line, bears N. 40° E. and S. 40° W.

Chains	
23.30	Wash, 50 lks. wide, course S. 60° W.
31.50	Power line road, bears N. 20° E. and S. 20° W.
31.90	Power line, bears N. 30° E. and S. 30° W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 8 and 9. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. $\begin{array}{c} \frac{1}{4} \\ \text{S 8} \mid \text{S 9} \\ 1952 \end{array}$ raise a mound of stone, $2\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
72.70	State Highway No. 95, bears N. 25° 40' E. and S. 25° 40' W.
80.00	Point for the cor. of secs. 4, 5, 8 and 9. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. $\begin{array}{c} \text{T 2 S R 19 W} \\ \text{S 5} \mid \text{S 4} \\ \hline \text{S 8} \mid \text{S 9} \\ 1952 \end{array}$ raise a mound of stone, $2\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of cor. Land, rolling. Soil, sandy and gravelly. Timber, palo verde, ironwood and mesquite; undergrowth, greasewood.
	From 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. N. 89° 52' W., bet. secs. 4 and 9. Over gently rolling land, through scattering timber and undergrowth.
19.20	Wash, 30 lks. wide, course NW.
34.90	Wash, 30 lks. wide, course NW.
39.96	Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 9. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. $\begin{array}{c} \text{S 4} \\ \hline \frac{1}{4} \text{ S 9} \\ 1952 \end{array}$ raise a mound of stone, $2\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
54.40	Gas line, bears N. 30° E. and S. 30° W.
60.52	Power line, bears N. 30° E. and S. 30° W.
61.40	Power line road, bears N. 30° E. and S. 30° W.
66.50	Wash, 30 lks. wide, course NW.

Subdivision of T. 2 S., R. 19 W.

Chains	
76.35	State Highway No. 95, bears N. 25° 40' E. and S. 25° 40' W.
79.92	The cor. of secs. 4, 5, 8 and 9. Land, rolling. Soil, sandy and gravelly. Timber, palo verde, ironwood and mesquite; undergrowth, greasewood.
	N. 0° 03' E., bet. secs. 4 and 5. Over gently rolling land, through scattering timber, and undergrowth.
8.40	Wash, 20 lks. wide, course NW.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 5. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
50.60	Wash, 30 lks. wide, course W.
79.92	The cor. of secs. 4, 5, 32 and 33, Tps. 1 and 2 S., R. 19 W., which is monumented with an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record. Land, rolling. Soil, sandy and gravelly. Timber, palo verde, ironwood and mesquite; undergrowth, greasewood.
	From the cor. of secs. 29, 30, 31 and 32, monumented with an iron post 2 ins. diam., firmly set, mkd. and witnessed as described in the official record. N. 89° 55' W., bet. secs. 30 and 31. Over rolling land, through scattering timber and undergrowth. Ascend 24 ft. over E. slope.
3.70	Low spur, slopes S.; desc. 23 ft. over W. slope.
11.50	Gas line, bears N. and S.
29.60	Wash, 40 lks. wide, course SW.
36.65	State Highway No. 95, bears N. 22° 22' E. and S. 22° 22' W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 30 and 31. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
44.10	Enter wash bottom land, drains S.
50.00	Old highway, bears NW. and SE.

Subdivision of T. 2 S., R. 19 W.

Chains	<p>50.50 Leave wash bottom land, bears N. and S.</p> <p>57.50 Enter wash bottom land, drains SW.</p> <p>60.50 Leave wash bottom land, bears NE. and SW.</p> <p>78.50 The cor. of secs. 25, 30, 31 and 36 on the W. bdy. of the Tp.</p> <p>Land, rolling. Soil, sandy and gravelly. Timber, palo verde, ironwood and mesquite; undergrowth, greasewood.</p> <hr/> <p>From the cor. of secs. 29, 30, 31 and 32.</p> <p>N. 0° 03' W., bet. secs. 29 and 30.</p> <p>Over hilly land, through scattering timber and undergrowth.</p> <p>Ascend 36 ft. over S. slope.</p> <p>10.60 Spur, slopes W.; desc. 48 ft. over N. slope.</p> <p>14.50 Wash, 10 lks. wide, course S. 60° W.; asc. 60 ft. over S. slope.</p> <p>24.30 Spur, slopes W.; desc. 55 ft. over N. slope.</p> <p>35.70 Wash, 30 lks. wide, course SW.</p> <p>38.50 Wash, 20 lks. wide, course SW.</p> <p>40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 30.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, to solid rock and in a mound of stone to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>S 30 S 29 1952</p> </div> <p>41.80 Gas line, bears N. 30° E. and S. 30° W.</p> <p>42.10 Ascend 59 ft. along E. slope.</p> <p>57.95 Top of ascent; desc. 45 ft. over NE. slope.</p> <p>64.20 Wash, 10 lks. wide, course W.; asc. 32 ft. over S. slope.</p> <p>67.50 Top of low hill; desc. 44 ft. over N. slope.</p> <p>70.60 Wash, 15 lks. wide, course SW.</p> <p>75.80 Wash, 40 lks. wide, course S. 20° W.</p> <p>79.35 State, Highway No. 95, bears N. 29° 30' E. and S. 29° 30' W.</p> <p>80.00 Point for the cor. of secs. 19, 20, 29 and 30.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 2 S R 19 W S 19 S 20 S 30 S 29 1952</p> </div> <p>Raise a mound of stone, 2½ ft. base, 2½ ft. high, W. of cor.</p>
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Chains

Land, hilly.
Soil, rocky and gravelly.
Timber, palo verde, ironwood and mesquite; undergrowth, greasewood.

From the cor. of secs. 20, 21, 28 and 29.

S. 89° 54' W., bet. secs. 20 and 29.

Over mountainous land, through scattering timber and undergrowth.

Ascend 184 ft. over NE. slope.

- 7.20 Ridge spur, slopes SE.; desc. 341 ft. over SW. slope.
21.90 Wash, 30 lks. wide, course SW.; asc. 30 ft. over SE. slope.
26.45 Spur, slopes S.; desc. 82 ft. along S. slope of a spur.
39.94 Point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 29.
Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, to solid rock and in a mound of stone to top, with brass cap mkd.

S 20
┌───┐
└───┘
S 29
1952

- 42.90 Ravine, course NW.; asc. 13 ft. over E. slope.
55.80 Spur, slopes N.; desc. 26 ft. over W. slope.
58.40 Wash, 10 lks. wide, course NW.; asc. 30 ft. over E. slope.
58.55 Power line road, bears N. and S.
59.55 Power line, bears N. 10° E. and S. 10° W.
62.40 Spur, slopes N.; desc. 59 ft. over W. slope.
65.70 Gas line, bears NW. and S.
69.20 Wash, 15 lks. wide, course SW.
76.40 Wash, 40 lks. wide, course S. 20° W.
79.20 State Highway No. 95, bears N. 29° 30' E. and S. 29° 30' W.
79.83 The cor. of secs. 19, 20, 29 and 30.

Land, mountainous.
Soil, rocky and gravelly.
Timber, palo verde, ironwood and mesquite; undergrowth, greasewood.

N. 89° 57' W., bet. secs. 19 and 30.

Over mountainous land, through scattering timber and undergrowth.

Ascend 10 ft. over E. slope.

- 5.75 Spur, slopes S.; desc. 23 ft. over W. slope.
14.40 Ravine, course S.; asc. 40 ft. over E. slope.
15.70 Spur, slopes S.; desc. 29 ft. over W. slope.
22.40 Wash, 40 lks. wide, course S.; asc. 281 ft. over SE. slope.

Subdivision of T. 2 S., R. 19 W.

Chains	
28.30	Spur, slopes S. 20° E., continue ascent along S. slope.
38.00	Spur, slopes N.; desc. 162 ft. over W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 30. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground, to bedrock and in a mound of stone to top, with brass cap mkd.
47.00	Ravine, course SW.; asc. 113 ft. over E. slope.
54.55	Spur, slopes S.; desc. 174 ft. over W. slope.
63.00	Wash, 20 lks. wide, course SW.; asc. 184 ft. over SE. slope.
69.90	Spur, slopes SW.; desc. 180 ft. over NW. slope.
78.39	The cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the Tp. Land, mountainous. Soil, rocky and gravelly. Timber, palo verde and ironwood; undergrowth, greasewood.
	From the cor. of secs. 19, 20, 29 and 30. Over mountainous land, through scattering timber and undergrowth. N. 0° 03' W., bet. secs. 19 and 20.
2.30	Old highway, bears NE. and SE.
5.00	Ascend 57 ft. over S. slope.
16.00	Spur, slopes W.; desc. 23 ft. over N. slope.
21.50	Wash, 15 lks. wide, course W.; asc. 63 ft. over S. slope.
34.20	Spur, slopes E.; desc. 23 ft. over N. slope.
39.20	Wash, 20 lks. wide, course E.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 20. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor. Ascend 150 ft. over S. slope.
51.00	Ridge, low divide, bears E. and W.; desc. 86 ft. over N. slope.
51.04	From this point, U. S. C. & G. Survey triangulation station "DIVIDE" bears N. 76° 06' E.
65.90	Old road, bears E. and W.; Leave mountainous land, enter gently rolling land.
80.00	Point for the cor. of secs. 17, 18, 19 and 20.

Chains

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

T 2 S R 19 W
 S 18 | S 17
 ————
 S 19 | S 20
 1952

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

From this corner, U. S. C. & G. Survey triangulation station "DIVIDE" bears S. $35^{\circ} 35'$ E. and is marked by a brass tablet, seated in a concrete block, 10 ins. sq., 8 ins. above ground, mkd. DIVIDE 1949.

Land, S. 65 chs. mountainous; N. 15 chs. gently rolling.
 Soil, rocky and gravelly.
 Timber, palo verde and ironwood; undergrowth, greasewood.

From the cor. of secs. 16, 17, 20 and 21.

S, $89^{\circ} 51'$ W.; bet. secs. 17 and 20.

Over gently rolling land, through scattering timber and undergrowth.

10.90 Low spur, slopes N.; desc. 28 ft. over W. slope.

34.90 Wash, 10 lks. wide, course NW.

39.95 Point for the $\frac{1}{4}$ sec. cor. of secs. 17 and 20.

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

S 17
 ————
 $\frac{1}{4}$
 S 20
 1952

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

41.90 Gas line, bears N. and S.

44.80 Power line, bears N. 20° E. and S. 20° W.

45.40 Power line road, bears N. and S.

70.76 State highway No. 95, bears S. $14^{\circ} 15'$ E. and N. $14^{\circ} 15'$ W.

73.80 Old state highway, bears N. and S.

79.90 The cor. of secs. 17, 18, 19 and 20.

Land, rolling.
 Soil, sandy and gravelly.
 Timber, Palo verde and ironwood; undergrowth, greasewood.

N. $89^{\circ} 58'$ W., bet. secs. 18 and 19.

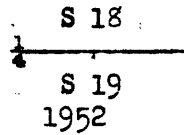
Over rolling land, through scattering timber and undergrowth.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 18 and 19.

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

Subdivision of T. 2 S., R. 19 W.

Chains



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

68.90 Old road, bears SE. and NW.

78.37 The cor. of secs. 13, 18, 19 and 24 on the W. bdy. of Tp.

Land, rolling.
Soil, sandy and gravelly.
Timber, palo verde and ironwood; undergrowth, greasewood.

From the cor. of secs. 17, 18, 19 and 20.

N. 0° 03' W., bet. secs. 17 and 18.

Over gently rolling land, through scattering timber and undergrowth.

40.00 Point for the ¼ sec. cor. of secs. 17 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

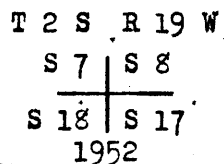


raise a mound of stone, 2½ ft. base, 2½ ft. high, W. of cor.

74.10 Wash, 10 lks. wide, course E.

80.00 Point for the cor. of secs. 7, 8, 17 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.



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

Land, rolling.
Soil, sandy and gravelly.
Timber, palo verde and ironwood; undergrowth, greasewood.

From the cor. of secs. 8, 9, 16 and 17.

S. 89° 51' W., bet. secs. 8 and 17.

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

8.70 Gas line, bears S. 30° W. and N; 30° E.

12.80 Power line, bears S. 30° W. and N. 30° E.

13.20 Power line road, bears S. 30° W. and N. 30° E.

24.90 Old road, bears SE. and NW.

Subdivision of T; 2 S., R. 19 W.

Chains	
34.15	State Highway No. 95, bears S, 25° 41' W. and N. 25° 41' E.
39.94	Point for the $\frac{1}{4}$ sec. cor. of secs. 8 and 17. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. $\begin{array}{r} \frac{1}{4} \\ \hline S 8 \\ S 17. \\ 1952 \end{array}$ raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor. From this corner, the SE. corner of the building at the Midway Service Station on State Highway No. 95, bears N. 32° 58' E., 24.334 chs. dist.
61.60	Wash, 15 lks. wide, course N.
79.88	The cor. of secs. 7, 8, 17 and 18. Land, rolling, Soil, sandy and gravelly. Timber, palo verde and ironwood; undergrowth, greasewood.
	N. 89° 58' W., bet. secs. 7 and 18. Over rolling land, through scattering timber and undergrowth.
20.45	Wash, 20 lks. wide, course NE.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 18. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. $\begin{array}{r} \frac{1}{4} \\ \hline S 7 \\ S 18 \\ 1952 \end{array}$ raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
78.26	The cor. of secs. 7, 12, 13 and 18 on the W. bdy. of the Tp. Land, rolling. Soil, sandy and gravelly. Timber, palo verde and ironwood; undergrowth, greasewood.
	From the cor. of secs. 7, 8, 17 and 18. N. 0° 03' W., bet. secs. 7 and 8. Over rolling land, through scattering timber and undergrowth.
9.00	Wash, 30 lks. wide, course NE.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 8. Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd. $\begin{array}{r} \frac{1}{4} \\ \hline S 7 \quad S 8 \\ 1952 \end{array}$

Subdivision of T. 2 S., R. 19 W.

Chains

- 45.00 Ascend 69. ft. over S. slope.
- 56.25 Spur, slopes E.; desc. 114 ft. over N. slope.
- 79.10 Wash, 10 lks. wide, course NE.
- 80.00 Point for the cor. of secs. 5, 6, 7 and 8.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T 2 S R 19 W

S 6 | S 5

S 7 | S 8

1952

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

Land, rolling.

Soil, sandy and gravelly.

Timber, palo verde and ironwood; undergrowth, greasewood.

From the cor. of secs. 4, 5, 8 and 9.

S, $89^{\circ} 51'$ W., bet. secs. 5 and 8.

Over gently rolling land, through scattering timber and undergrowth.

- 3.90 Wash, 30 lks. wide, course NW.
- 15.90 Old highway, bears N. and S.
- 25.90 Wash, 30 lks. wide, course NW.
- 39.94 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 8.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

S 5
 $\frac{1}{4}$ ———
 S 8
 1952

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

- 50.50 Wash, 20 lks. wide, course N.
- 58.90 Old road, bears NW. and SE.
- 78.40 Wash, 10 lks. wide, course NE.
- 79.88 The cor. of secs. 5, 6, 7 and 8.

Land, rolling.

Soil, sandy and gravelly.

Timber, palo verde and ironwood; undergrowth, greasewood.

N. $89^{\circ} 54'$ W., bet. secs. 6 and 7.

Over rolling land, through scattering timber and undergrowth.

Ascend 140 ft. over E. slope.

- 28.15 Ridge Spur, slopes N. 30° W.; desc. 114 ft. over W. slope.

Subdivision of T. 2 S., R. 19 W.

Chains

36.65 Wash, 50 lks. wide, course N.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 7.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
$$\begin{array}{c} \frac{1}{4} \\ \hline \text{S 6} \\ \text{S 7} \\ 1952 \end{array}$$
raise a mound of stone, $2\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, N. of cor.

61.85 Wash, 30 lks. wide, 12 ft. deep, course N. for 1 ch. to a junction with a wash, which drains E.

71.45 Wash, 40 lks. wide, 8 ft. deep, course N. for 50 lks. to junction with a wash, drains E.

78.13 The true point for the cor. of secs. 1, 6, 7 and 12 on the W. bdy. of the ~~EP~~.

Land, rolling.

Soil, sandy and gravelly.

Timber, palo verde and ironwood; undergrowth, greasewood.

From the cor. of secs. 5, 6, 7 and 8.

N. $0^{\circ} 04'$ W., bet. secs. 5 and 6.

Over gently rolling land, through scattering timber and undergrowth.

3.50 Road, bears SE. and NW.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 6.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
$$\begin{array}{c} \frac{1}{4} \\ \hline \text{S 6} \quad | \quad \text{S 5} \\ 1952 \end{array}$$
raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

41.10 Wash, 25 lks. wide, 5 ft. deep, course E.

41.60 Old road, bears N. 20° E. and S. 20° W.52.80 Recross old road, bears N. 10° W. and S. 10° E.

80.10 The cor. of secs. 5, 6, 31 and 32.

Land, rolling.

Soil, sandy and gravelly.

Timber, palo verde, ironwood and mesquite; undergrowth, greasewood.

Test of Solar Orientation

April 19, 1952: At camp near the cor. of secs. 16, 17, 20 and 21, T. 2 N., R. 19 W., at 8:00 a.m., app. t., I set off $33^{\circ} 30'$ N. on the lat. arc; $11^{\circ} 19' 30''$ N. on the decl'. arc.; and orient the instrument with the solar; the line of sight agrees with the meridian

Test of Solar Orientation

established by Polaris observation.

At 4:00 p.m., app. t., set off $33^{\circ} 30'$ N. on the lat. arc; $11^{\circ} 26'$ N. on the decl'. arc and repeat the test of the solar; the line of sight agrees with the meridian established by Polaris observation.

April 19, 1952.

General Description

The land in T. 2 S., R. 19 W. is of a desert nature and ranges in elevation from about 1100 to 1800 ft. above sea level. The township is located between the Castle Dome and Chocolate Mountains in the La Posa Plain. The land in sections 6, 7, 18, 19, 20, 29 and 30 is mostly mountainous the remainder of the sections in this survey are gently rolling. There is a low divide running in a general E. and W. direction between the Castle Dome and Chocolate Mountains through sections 19, 20 and 21. The drainage north of this divide is into Tyson Wash and to the south into the Gila River.

The soil in the mountainous areas is rocky and gravelly and in the rolling land of sandy, gravelly clay. There is a fair growth of native grass throughout the area. The timber is of palo verde, ironwood and mesquite with undergrowth of greasewood. The land is used mostly for cattle grazing.

Midway Service Station is located in the SE $\frac{1}{4}$ of sec. 8, along State Highway No. 95. This highway enters the township on the S. bdy. of sec. 31 and traverses through sections 31, 30, 20, 17, 8, 9, and 4, leaving the township a short distance east of the $\frac{1}{4}$ sec. cor. of secs. 4 and 33 on the N. boundary.

4-680
(Feb., 1950)

Form 1000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Fred R. Chappell	Cartographic Survey Aid
Robert D. Stevens	" " "
Martin G. Roeben	Surveying and Cartographic Aid
William H. Derendor	" " " "
Carl P. Lyons	" " " "
William A. Vestal	" " " "

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BOOK 4398

CERTIFICATE OF CADASTRAL ENGINEER

I, Ty White, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 18th day of March, 1952, I have surveyed the west boundary and a portion of the south boundary and subdivisional lines of Township 2 South, Range 19 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 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.

Albuquerque, New Mexico,
May 12, 1952

Ty White

Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., **OCT 13 1952**, 19

The foregoing field notes of the survey of the west boundary and a portion of the south boundary and subdivisional lines of Township 2 South, Range 19 West of the Gila and Salt River Meridian, Arizona

executed by Ty White having been critically examined and found correct, are hereby approved.

Donald B. Clement

Acting Chief, Division of Cadastral 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.~~

~~_____
Chief, Division of Cadastral Engineering.~~