

BOOK 3793

# FIELD NOTES

OF THE SURVEY OF THE

South Boundary,

West Boundary,

North Boundary

and

Subdivision Lines

of

Township 4 North, Range 16 West.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Charles E. Hunter, U. S. Transitman,

and

Otis O. Gould, U. S. Transitman.

In the capacity of U. S. Surveyors, under Special Instructions dated July 23, 1926, issued by U.S. District Cadastral Engineer to govern surveys included in Group No. 143, Arizona, which were approved by the Commissioner of the General Land Office, August 7, 1926, and Assignment Instructions dated November 1, 1926, and November 29, 1926.

Survey commenced January 13, 1927.

Survey completed January 20, 1927.

3793

3793



Book "K"

Group 143 Arizona.

Township 4 North, Range 16 West

DATE DIAGRAM

1927

For dates of Resurvey of 1st Std. Par. N. thru R. 16 W. see Book "J" R. 16 W. R. 15 W.  
 1st Standard Parallel North For dates of Retracement see Book "G"

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

For dates of Survey of this line see Book "G"

Surveyed by Charles E. Hunter, U.S. Transitman, on dates shown thereon.

Surveyed by Otis O. Gould, U.S. Transitman, on dates shown thereon.

Surveys executed on dates shown on diagram on page 1 hereof by Charles E. Hunter, U. S. Transitman, using a Buff light mountain transit No. 10125, and Otis O. Gould, U. S. Transitman, using Buff light mountain transit No. 9305. Each of these instruments is equipped with Smith solar attachment and the horizontal limb of each is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the latitude and declination arcs. Unless otherwise specified all azimuth determinations are accomplished with the solar attachment.

#### PRELIMINARY FIELD TEST.

Examine the adjustments of the transits, and find them correct; then, to test the solar apparatus of each by comparing its indications resulting from observations made during a. m. and p. m. hours with a meridian established by Polaris observation on December 25, 1926, as described in Book "G", proceed as follows:

By

Charles E. Hunter, U. S. Transitman,  
Buff Transit No. 10125

January 12, 1927. At 4 h. 0 m., p. m., app. t., set off  $33^{\circ} 39\frac{1}{2}'$  N. on the lat. arc;  $21^{\circ} 37'$  S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

January 13, 1927. At 8 h. 0 m., a. m., app. t., with the lat. arc unchanged, set off  $21^{\circ} 31'$  S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

By

Otis O. Gould, U. S. Transitman,  
Buff Transit No. 9305.

January 9, 1927. At 8 h. 0 m., a. m., app. t., set off  $33^{\circ} 39\frac{1}{2}'$  N. on the lat. arc;  $22^{\circ} 08'$  S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At 4 h. 0 m., p. m., app. t., with the lat. arc unchanged, set off  $22^{\circ} 04'$  S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within  $1\frac{1}{2}'$  of the true meridian, conclude that the instruments are in satisfactory adjustment.

Unless otherwise specified all measurements by Charles E. Hunter, U. S. Transitman, and Otis O. Gould, U. S. Transitman, were made with Lallie steel tapes, 5.00 chains in length. All tapes were compared with a Lufkin standard steel tape 1 chain in length and found correct.

All measurements herein recorded are made upon the slope the vertical angles determined with a clinometer and the slope measurement properly reduced to true horizontal distance for entry in the field notes.

Survey of South Boundary of Township 4 North, Range 16 West.

Chains From the cor. of Ts. 3 and 4 N., Rs. 15 and 16 W., described in Book "E".  
 West, on true line, bet. secs. 1 and 36.  
 Over level land, thru scattering undergrowth.  
 23.00 Wash, 5 lks. wide, 1 ft. deep, course NE.  
 28.00 Road, brs. NW. and SE.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   $\frac{S 36}{S 1}$   
 1927

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.  
 48.00 Enter overflow land, 3.00 chs. wide, course NE.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground for cor. of secs. 1, 2, 35 and 36, brass cap marked

T 4 N      R 16 W  
 S 35 | S 36  
 S 2 | S 1  
 T 3 N  
 1927

Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.  
 Land, level.  
 Soil, gravelly, 2nd rate.  
 Timber, none.  
 Undergrowth, creosote brush, scrub palo verde and iron-wood.

-----  
 West, on true line, bet. secs. 2 and 35.  
 Over level land, thru scattering undergrowth.  
 18.60 Road, brs. NE. and SW.  
 19.20 Wash, 5 lks. wide, 1 ft. deep, course NE.  
 28.90 Dim road, brs. NE. and SW.  
 39.75 Wash, 5 lks. wide, 1 ft. deep, course NE.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   $\frac{S 35}{S 2}$   
 1927

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.  
 41.00 Road, brs. NE. and SW.  
 44.46 Wire fence, brs. NE. and SW.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in ground for cor. of secs. 2, 3, 34 and 35, brass cap marked

T 4 N      R 16 W  
 S 34 | S 35  
 S 3 | S 2  
 T 3 N  
 1927

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

## Survey of South Boundary of Township 4 North, Range 16 West.

Chains From this cor. U. S. L. M. No. 3207, brs. S. 13° 47' W.,  
248.39 chs. dist. A cross (X) U S L M No 3207 marked  
on surface rock and witnessed by a md. of stone 6 ft.  
base, 6 ft. high, 3 ft. S. of cor.

Land, level.

Soil, gravelly, 3rd rate.

Timber, none.

Undergrowth, creosote brush, scrub palo verde and iron-  
wood.

West, on true line, bet. secs. 3 and 34.

Over level land, thru scattering undergrowth.

20.00 Wash, 5 lks. wide, 2 ft. deep, course NE.

37.50 Wash, 10 lks. wide, 2 ft. deep, course NE.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
ground for  $\frac{1}{4}$  sec. cor., brass cap marked

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

1927

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

42.30 Wash, 10 lks. wide, 2 ft. deep, course NE.

55.50 Wash, 10 lks. wide, 3 ft. deep, course NE.

59.90 Wash, 10 lks. wide, 3 " " " NE.

69.20 Wash, 10 " " 2 " " " NE.

77.20 Wash, 20 " " 3 " " " NE.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
in ground for cor. of secs. 3, 4, 33 and 34, brass  
cap marked

$$\begin{array}{c} T 4 N \quad R 16 W \\ \hline S 33 \quad | \quad S 34 \\ \hline S 4 \quad | \quad S 3 \\ T 3 N \\ 1927 \end{array}$$

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

Land, level.

Soil, gravelly, 2nd rate.

Timber, none.

Undergrowth, creosote brush and scrub palo verde.

West, on random line, bet. secs. 4 and 33.

Over level land, thru scattering undergrowth.

1.90 Wash, 5 lks. wide, 3 ft. deep, course NE.

16.50 Wash, 10 " " 2 " " " NE.

21.70 Wash, 20 " " 2 " " " NE.

28.25 Wash, 20 " " 3 " " " North.

38.50 Wash, 20 " " 3 " " " N.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$$\frac{1}{4} \frac{S 33}{S 4}$$

1927

Raise md. of stone, 4 ft. base, 2 ft. high, N. of cor.

47.50 Wash, 20 lks. wide, 2 ft. deep, course N.

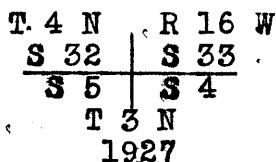
57.10 Wash, 10 " " 3 " " " N.

59.30 Wash, 50 " " 3 " " " NE.

Survey of South Boundary of Township 4 North, Range 16 West.

Chains

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in ground for cor. of secs. 4, 5, 32 and 33, brass cap marked



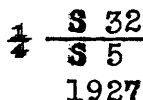
Raise a md. of stone, 4 ft. base, 4 ft. high, W. of cor. Land, level. Soil, gravelly, 2nd rate. Timber, none. Undergrowth, creosote brush, scrub ironwood and palo verde.

West, on true line, bet. secs. 5 and 32. Over mountainous land, thru scattering undergrowth.

25.00 Wash, 10 lks. wide, 2 ft. deep, course SE.

35.00 Enter mountainous land, asc. 30 ft. over E. slope to

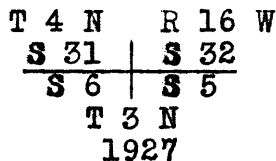
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post and raise md. of stone, 4 ft. base, 2 ft. high, around post for 1/4 sec. cor., brass cap marked



Asc. 580 ft. over steep E. slope.

65.00 Top of malpais mt. brs. NW. and SE., desc. 140 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post and raise md. of stone 4 ft. base, 2 ft. high, around post for cor. of secs. 5, 6, 31 and 32, brass cap marked



Land, mountainous, Soil, stony, 4th rate. Timber, none. Undergrowth, creosote brush, cholla, ocotillo, scrub palo verde, ironwood and catclaw. Giant cactus.

West, on true line, bet. secs. 6 and 31. Over mountainous land, thru scattering undergrowth. Desc. 330 ft. over W. slope.

12.60 Foot of mt., enter small valley, brs. N. and S.

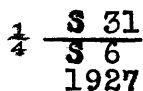
15.75 Wash, 150 lks. wide, 3 ft. deep, course N.

24.70 Road, brs. N. and S.

29.60 Wash, 50 lks. wide, 2 ft. deep, course NE.

34.50 Leave small valley, asc. 78 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post and raise md. of stone, 4 ft. base, 2 ft. high, around post, for 1/4 sec. cor., brass cap marked



## Survey of South Boundary of Township 4 North, Range 16 West.

## Chains

45.00 Desc. 30 ft.  
 50.00 Drain, course NE.  
 58.80 Drain, course NE. Asc. 109 ft.  
 66.10 Ridge, brs. N. and S. Desc. 106 ft.  
 72.25 Wash, 5 lks. wide, 2 ft. deep, course NW. Asc. 33 ft.  
 74.30 Desc. 34 ft. to  
 78.56 Set an iron post, 3 ft. long, 3 ins. in diam., 15 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post and raise md. of stone, 4 ft. base, 1½ high, around post for cor. of Ts. 3 and 4 N., Rs. 16 and 17 W., brass cap marked

	T 4 N	
R 17 W	R 16 W	
S 36	S 31	
S 1	S 6	
	T 3 N	
	1927	

Land, mountainous.  
 Soil, stony, 4th rate.  
 Timber, none.  
 Undergrowth, creosote brush, cholla, ocotillo, scrub palo verde, ironwood and catclaw.



Survey of West Boundary of Township 4 North, Range 16 West.

Chains From the cor. of Ts. 3 and 4 N., Rs. 16 and 17 W., hereinbefore described.  
 North, on true line, bet. secs. 31 and 36.  
 Over hilly land, thru scattering undergrowth.  
 2.70 Wash, 5 lks. wide, 2 ft. deep, course NW., thence along W. slope.  
 19.30 Drain, course W. Asc. 123 ft.  
 32.00 Spur, slopes NW. Desc. 60 ft. to  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in ground to bed rock, deposit stone marked cross (X) at base of post and raise md. of stone, 4 ft. base, 2 ft. high, around post for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   
 S 36 | S 31  
 1927

Desc. 60 ft.  
 42.50 Drain, course NW. Asc. 100 ft.  
 58.30 Spur, slopes NW. Desc. 145 ft. over NE. slope.  
 75.00 Foot of hill. Enter level land, brs. NW. and SE.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post and raise md. of stone, 3 ft. base,  $1\frac{1}{2}$  ft. high, around post for cor. of secs. 25, 30, 31 and 36, brass cap marked

T 4 N  
 R 17 W | R 16 W  
 S 25 | S 30  
 S 36 | S 31  
 1927

Land, mountainous.  
 Soil, stony, 4th rate.  
 Timber, none.  
 Undergrowth, creosote brush, cactus, scrub palo verde, ironwood and catclaw.

North, on true line, bet. secs. 25 and 30.  
 Over level land, thru scattering undergrowth.  
 4.00 Wash, 40 lks. wide, 2 ft. deep, course NE.  
 28.10 Wash, 40 " " 3 " " " NE.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   
 S 25 | S 30  
 1927

Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor.  
 73.40 Wash, 10 lks. wide, 3 ft. deep, course NE.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in ground for cor. of secs. 19, 24, 25 and 30, brass cap marked

T 4 N  
 R 17 W | R 16 W  
 S 24 | S 19  
 S 25 | S 30  
 1927

## Survey of West Boundary of Township 4 North, Range 16 West.

Chains Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor.  
Land, level.  
Soil, gravelly, 3rd rate.  
Timber, none.  
Undergrowth, creosote brush, cactus, scrub ironwood,  
palo verde and catclaw.

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North, on true line, bet. secs. 19 and 24.  
Over level land, thru scattering undergrowth.

7.20 Wash, 5 lks. wide, 2 ft. deep, course NW.  
13.00 Same wash, " NE.  
30.20 Wash, 30 lks. wide, 3 ft. deep, course NE.  
34.50 Wash, 30 lks. wide, 3 " " " NE.  
37.70 Road, brs. NE. and SW.  
39.50 Wash, 30 lks. wide, 3 ft. deep, course NE.  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in  
ground for  $\frac{1}{4}$  sec. cor., brass cap marked.

$\frac{1}{4}$   
 S 24 | S 19  
 1927

42.80 Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor.  
Same wash, 30 lks. wide, 3 ft. deep, course NW.  
70.55 Quartzsite and Vicksburg road, brs. NE. and SW.  
72.50 Wash, 80 lks. wide, 3 ft. deep, course NE.  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
in ground for cor. of secs. 13, 18, 19 and 24, brass  
cap marked.

T 4 N  
 R 17 W | R 16 W  
 S 13 | S 18  
 S 24 | S 19  
 1927

Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and  
NW. of cor., 3 ft. dist.

Land, level.  
Soil, gravelly, 3rd rate.  
Timber, none.  
Undergrowth, creosote brush, cactus, scrub palo verde,  
ironwood and catclaw.

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North, on true line, bet. secs. 13 and 18.  
Over level land, thru scattering undergrowth.

1.80 Wash, 20 lks. wide, 2 ft. deep, course NE.  
26.40 Wash, 30 " " 3 " " " NE.  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in  
ground for  $\frac{1}{4}$  sec. cor., brass cap marked.

$\frac{1}{4}$   
 S 13 | S 18  
 1927

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,  
3 ft. dist.

70.70 Wash, 10 lks. wide, 3 ft. deep, course E.  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in

## Survey of West Boundary of Township 4 North, Range 16 West.

Chains ground for cor. of secs. 7, 12, 13 and 18, brass cap marked

T 4 N	
R 17 W	R 16 W
S 12	S 7
S 13	S 18
1927	

Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.

Land, level.

Soil, adobe, 3rd rate.

Timber, none.

Undergrowth, creosote brush, cactus, scrub palo verde, ironwood and catclaw.

North, on true line, bet. secs. 7 and 12.

Over level land, thru scattering undergrowth.

11.40 Wash, 20 lks. wide, 3 ft. deep, course E.

21.10 Dim road, brs. NW. and SE.

32.00 Leave level land, asc. 35 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post and raise md. of stone, 3 ft. base, 2 ft. high around post for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$	
S 12	S 7
1927	

Asc. 230 ft.

53.20 Ridge, brs. NW. and SE. Desc. 300 ft. over NE. slope.

60.20 Ledge, 50 ft. high, brs. NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in ground for cor. of secs. 1, 6, 7 and 12, brass cap marked

T 4 N	
R 17 W	R 16 W
S 1	S 6
S 12	S 7
1927	

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

Land, level and mountainous.

Soil, gravelly and stony, 3rd and 4th rate.

Timber, none.

Undergrowth, creosote brush, cactus, scrub palo verde, ironwood and catclaw.

Giant cactus.

North, on true line, bet. secs. 1 and 6.

Over rolling land, thru scattering undergrowth.

Desc. 30 ft.

3.60 Wash, 10 lks. wide, 2 ft. deep, course NE.

15.00 Enter level land, brs. NW. and SE.

24.00 Enter overflow land, 3.00 chs. wide, course E.

35.00 Enter overflow land, 2.00 chs. wide, course E.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in

## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   
 S 1 | S 6  
 1927

40.80 Raise a md. of stone, 3 ft. base, 2 ft. high, W. of cor.  
 Enter overflow land, 100 lks. wide, course E.  
 66.90 Wash, 20 lks. wide, 2 ft. deep, course NE.  
 72.00 Wash, 30 " " 1 " " " E.  
 74.78 Intersect the First Standard Parallel North, 24 lks. N.  
 89° 50' E. of the std. cor. of secs. 31 and 32, T.  
 5 N., R. 16 W., described in Book "J".  
 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins.  
 in ground for closing cor. of T. 4 N., Rs. 16 and 17  
 W., brass cap marked .

T 5 N R 16 W  
 S 32  
 S 1 | S 6  
 R 17 W | R 16 W  
 T 4 N  
 C C  
 1927

Raise md. of stone, 3 ft. base, 2 ft. high, S. of cor.  
 Land, rolling and level.  
 Soil, sandy and gravelly, 3rd and 4th rate.  
 Timber, none.  
 Undergrowth, creosote brush, cholla, ocotillo, scrub  
 palo verde, ironwood and catclaw.

Survey of North Boundary of Township 4 North, Range 16 West.  
(on First Standard Parallel North)

- Chains From the closing cor. of T. 4 N., Rs. 15 and 16 W.,  
described in Book "G".  
S. 89° 50' W., on true line, on N. bdy. of sec. 1.  
Over level land, thru scattering undergrowth.
- 37.48 Intersect std.  $\frac{1}{4}$  sec. cor. of sec. 31, T. 5 N., R. 15 W.,  
which is a granite stone 6 x 6 ins., 6 ins. above  
ground, mkd.  $\frac{1}{4}$  S C on N. face, and witnessed by two  
pits, one each E. and W. of cor. No B. Ts.
- 39.93 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$  S 1  
1927

- Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,  
3 ft. dist.,
- 77.53 Intersect the std. cor. of T. 5 N., Rs. 15 and 16 W.,  
described in Book "I" of this group.
- 79.86 Pt. for closing cor. of secs. 1 and 2, hereinafter de-  
scribed.  
Land, level.  
Soil, sandy and gravelly, 2nd and 3rd rate.  
Timber, none.  
Undergrowth, creosote brush and scrub mesquite.

- S. 89° 50' W., on true line on N. bdy. of Sec. 2.  
Over level land, thru scattering undergrowth.
- 37.75 Intersect the std.  $\frac{1}{4}$  sec. cor. of sec. 36, T. 5 N., R.  
16 W., described in Book "J".
- 39.97 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$  S 2  
1927

- Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,  
3 ft. dist.
- 77.80 Intersect the std. cor. of secs. 35 and 36, T. 5 N., R.  
16 W., described in Book "J"
- 79.95 Pt. for closing cor. of secs. 2 and 3, hereinafter de-  
scribed.  
Land, level.  
Soil, sandy and gravelly, 1st and 3rd rate.  
Timber, none.  
Undergrowth, creosote brush and scrub mesquite.

- S. 89° 50' W., on N. bdy. of sec. 3.  
Over level land, thru scattering undergrowth.
- 37.85 Intersect std.  $\frac{1}{4}$  sec. cor. of sec. 35, T. 5 N., R. 16 W.,  
described in Book "J".
- 39.96 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in  
ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$  S 3  
1927

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

Survey of North Boundary of Township 4 North, Range 16 West.  
(on First Standard Parallel North)

Chains	
77.85	Intersect std. cor. of secs. 34 and 35, T. 5 N., R. 16 W., described in Book "J".
79.92	True pt. for closing cor. of secs. 3 and 4, hereinafter described. Land, level. Soil, sandy and gravel, 2nd and 3rd rate. Timber, none. Undergrowth, creosote brush, scrub mesquite and palo verde.
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	S. 89° 50' W., on true line on N. bdy. of sec. 4. Over level land, thru scattering undergrowth.
37.93	Intersect the std. $\frac{1}{4}$ sec. cor. of sec. 34, described in Book "J"
40.03	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked
$\frac{1}{4}$ S 4 1927	
77.93	Raise md. of stone, 3 ft. base, 2 ft. high, S. of cor. Intersect std. cor. of secs. 33 and 34, T. 5 N., R. 16 W., described in Book "J"
80.06	True pt. for closing cor. of secs. 4 and 5, hereinafter described. Land, level. Soil, gravelly and sandy, 2nd and 3rd rate. Timber, scattering scrub ironwood. Undergrowth, creosote brush and scrub mesquite.
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	S. 89° 50' W., on true line, on N. bdy. of sec. 5. Over level land, thru scattering undergrowth.
37.87	Intersect the std. $\frac{1}{4}$ sec. cor. of sec. 33, described in Book "J".
39.82	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked
$\frac{1}{4}$ S 5 1927	
77.87	Raise md. of stone, 3 ft. base, 2 ft. high, S. of cor. Intersect the std. cor. of secs. 32 and 33, described in Book "J"
79.63	The true pt. for closing cor. of secs. 5 and 6, hereinafter described. Land, level. Soil, stony and gravelly, 3rd rate. Timber, scattering scrub ironwood and palo verde. Undergrowth, creosote brush and scrub mesquite.
-----	
	S. 89° 50' W., on true line, on N. bdy. of sec. 6. Over level land, thru scattering undergrowth.
38.24	Intersect std. $\frac{1}{4}$ sec. cor. of sec. 32, T. 5 N., R. 16 W., described in Book "J"

Survey of North Boundary of Township 4 North, Range 16 West.  
(on First Standard Parallel North)

Chains  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$  S 6.  
1927

78.00 Raise md. of stone, 3 ft. base, 2 ft. high, S. of cor. Intersect closing cor. of T. 4 N., Rs. 16 and 17 W., hereinbefore described.

Land, level.

Soil, sandy and gravelly, 2nd and 3rd rate.

Timber, scattering scrub palo verde and ironwood.

Undergrowth, creosote brush and scrub mesquite.

Giant cactus.

T. 4 N., R. 16 W.

Latitudes, Departures and Closing Errors.

Line designated	True course	Dist- ance.	Latitudes		Departures	
			N.	S.	E.	W.
South Boundary	West	478.56				478.56
West Boundary	North	474.78	474.78			
North Boundary (1st S.P.N.)	N.89°50'E.	477.42	1.38		477.42	
East Boundary	South	475.47		475.47		
Convergency						0.48
Totals			476.16	475.47	477.90	478.56
			475.47			477.90
Error in latitude			0.69			
Error in departure					0.66	

## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains From the cor. of secs. 1, 2, 35 and 36, on S. bdy. of township, hereinbefore described.  
N.  $0^{\circ} 1' W.$ , on true line, bet. secs. 35 and 36.  
Over level land, thru scattering undergrowth.

14.10 Wash, 10 lks. wide, course E.  
17.44 Windmill brs. N.  $49^{\circ} 25' W.$  SW. cor. of house brs. N.  $43^{\circ} 08' E.$   
24.80 Road, brs. NE. and SW.  
25.40 Wash, 20 lks. wide, course NE.  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   
 S 35 | S 36  
 1927

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.

41.40 Road, brs. NE. and SW.  
43.30 Wash, 30 lks. wide, course NE.  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground for cor. of secs. 25, 26, 35 and 36, brass cap marked

T 4 N    R 16 W  
 S 26 | S 25  
 S 35 | S 36  
 1927

Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.  
Land, gently rolling.  
Soil, sandy and stony, 3rd rate.  
Timber, none.  
Undergrowth, creosote and sage brush, cactus, scrub palo verde and ironwood.

-----

East, on random line, bet. secs. 25 and 36.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.94 Fall 5 lks. S. of cor. of secs. 25, 30, 31 and 36, on E. bdy. of township, described in Book "G".  
Thence  
S.  $89^{\circ} 58' W.$ , on true line, bet. secs. 25 and 36.  
Over level land, thru scattering undergrowth.

20.04 Wash, 15 lks. wide, course NE.  
39.97 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$  S 25  
 S 36  
 1927

46.94 Raise md. of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
Road, brs. NE. and SW.  
74.14 Road, brs. N. and S.  
79.94 The cor. of secs. 25, 26, 35 and 36.  
Land, level.  
Soil, sandy and gravelly, 2nd and 3rd rate.  
Timber, none.  
Undergrowth, creosote brush, scrub palo verde, ironwood catclaw and sage brush.

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Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains N. 0° 1' W., on true line, bet. secs. 25 and 26.  
 Over rolling land, thru scattering undergrowth.  
 33.00 Wash, 10 lks. wide, course NE.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
 ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   

S 26	S 25
1927	

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,  
 3 ft. dist.  
 62.00 Road, brs. NW. and SE.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins.  
 in ground for cor. of secs. 23, 24, 25 and 26, brass  
 cap marked

T 4 N	R 16 W
S 23	S 24
S 26	S 25
1927	

Raise md. of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.  
 Land, rolling.  
 Soil, stony and gravelly, 3rd rate.  
 Timber, none.  
 Undergrowth, creosote and sage brush, scrub ironwood  
 palo verde and cactus.

East, on random line, bet. secs. 24 and 25.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.00 Intersect the cor. of secs. 19, 24, 25 and 30, on E. bdy.  
 of township, described in Book "G".

Thence  
 West, on true line, bet. secs. 24 and 25.  
 Over level land, thru scattering undergrowth.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
 ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   $\frac{S 24}{S 25}$   
 1927

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,  
 3 ft. dist.  
 60.50 Wash, 15 lks. wide, course N.  
 75.30 Road, brs. NW. and south.  
 80.00 The cor. of secs. 23, 24, 25 and 26.  
 Land, level.  
 Soil, sandy loam and gravelly, 1st and 3rd rate.  
 Timber, none.  
 Undergrowth, creosote and sage brush, cactus, scrub palo  
 verde, ironwood and catclaw.

N. 0° 1' W., on true line, bet. secs. 23 and 24.  
 Over gently rolling land, thru scattering undergrowth.  
 26.10 Road, brs. NW. and SE.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
 ground for  $\frac{1}{4}$  sec. cor., brass cap marked

## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains	$\begin{array}{c} \frac{1}{4} \\ \text{S } 23 \quad   \quad \text{S } 24 \\ 1927 \end{array}$
80.00	<p>Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.</p> <p>Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground for cor. of secs. 13, 14, 23 and 24, brass cap marked</p>
	$\begin{array}{cc} \text{T } 4 \text{ N} & \text{R } 16 \text{ W} \\ \text{S } 14 &   & \text{S } 13 \\ \text{S } 23 &   & \text{S } 24 \\ 1927 & & \end{array}$
	<p>Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.</p> <p>Land, gently rolling.</p> <p>Soil, sandy loam, 1st rate.</p> <p>Timber, none.</p> <p>Undergrowth, creosote and sage brush and scrub ironwood.</p>
40.00	<p>East, on random line, bet. secs. 13 and 24, Set temp. <math>\frac{1}{4}</math> sec. cor.</p>
80.02	<p>Intersect the cor. of secs. 13, 18, 19 and 24, on E. bdy. of township, described in Book "G".</p> <p>Thence</p>
40.01	<p>West, on true line, bet. secs. 13 and 24. Over level land, thru scattering undergrowth.</p> <p>Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for <math>\frac{1}{4}</math> sec. cor., brass cap marked</p>
	$\frac{1}{4} \begin{array}{c} \text{S } 13 \\ \text{S } 24 \\ 1927 \end{array}$
80.02	<p>Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.</p> <p>The cor. of secs. 13, 14, 23 and 24.</p> <p>Land, level.</p> <p>Soil, sandy loam and gravelly, 1st and 2nd rate.</p> <p>Timber, none.</p> <p>Undergrowth, creosote and sage brush, cactus and scrub catclaw.</p>
40.00	<p>N. <math>0^{\circ}</math> 1' W., on true line, bet. secs. 13 and 14. Over level land, thru scattering undergrowth.</p> <p>Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for <math>\frac{1}{4}</math> sec. cor., brass cap marked</p>
	$\begin{array}{c} \frac{1}{4} \\ \text{S } 14 \quad   \quad \text{S } 13 \\ 1927. \end{array}$
80.00	<p>Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.</p> <p>Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground for cor. of secs. 11, 12, 13 and 14, brass cap marked</p>

Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains

T 4 N	R 16 W
S 11	S 12
S 14	S 13
1927	

Dig pits 18 x 18 x 12 ins., one each, NE., SE., SW. and NW. of cor., 3 ft. dist.  
 Land, level.  
 Soil, sandy loam, 1st rate.  
 Timber, none.  
 Undergrowth, creosote and sage brush and scrub catclaw.

N. 89° 59' E., on random line, bet. secs. 12 and 13.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.00 Intersect the cor. of secs. 7, 12, 13 and 18, on E. bdy. of township, described in Book "G".  
 Thence  
 S. 89° 59' W., on true line, bet. secs. 12 and 13.  
 Over level land, thru scattering undergrowth.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$	S 12
	S 13
1927	

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.  
 71.20 South center of house brs. north 4.50 chains.  
 80.00 The cor. of secs. 11, 12, 13 and 14.  
 Land, level.  
 Soil, sandy loam, 1st rate.  
 Timber, none.  
 Undergrowth, creosote and sage brush and cactus.

N. 0° 1' W., on true line, bet. secs. 11 and 12.  
 Over level land, thru scattering undergrowth.  
 5.70 Quartzsite and Vicksburg road, brs. NE. and SW.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

S 11	$\frac{1}{4}$	S 12
1927		

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground for cor. of secs. 1, 2, 11 and 12, brass cap marked

T 4 N	R 16 W
S 2	S 1
S 11	S 12
1927	

Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.  
 Land, level.  
 Soil, sandy loam, 1st rate.  
 Timber, none.  
 Undergrowth, creosote and sage brush, and cactus.

## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains East, on random line, bet. secs. 1 and 12.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.94 Intersect the cor. of secs. 1, 6, 7 and 12, on the E.  
 bdy. of township, described in Book "G"  
 Thence  
 West, on true line, bet. secs. 1 and 12.  
 Over level land, thru scattering undergrowth.  
 9.64 House, brs. S., 1.00 ch. dist.  
 39.97 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
 ground, for  $\frac{1}{4}$  sec. cor., brass cap marked

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

1927

79.94 Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,  
 3 ft. dist.  
 The cor. of secs. 1, 2, 11 and 12.  
 Land, level.  
 Soil, sandy loam, 1st rate.  
 Timber, none.  
 Undergrowth, creosote and sage brush, and cactus.

16.70 N.  $0^{\circ}$  1' W., on true line, bet. secs. 1 and 2.  
 Over level land, thru scattering undergrowth.  
 Road, brs. NE. and SW.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
 ground for  $\frac{1}{4}$  sec. cor., brass cap marked

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

1927

75.34 Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,  
 3 ft. dist.  
 Intersect the First Standard Parallel North, 233 lks.  
 S.  $89^{\circ}$  50' W., from std. cor. of T. 5 N., Rs. 15 and  
 16 W.; described in Book "I".  
 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in  
 ground for closing cor. of secs. 1 and 2, brass cap  
 marked

$$\begin{array}{c} T 5 N \quad R 16 W \\ S 36 \\ \hline S 2 \quad | \quad S 1 \\ T 4 N \quad R 16 W \\ C C \\ 1927 \end{array}$$

Dig pits 18 x 18 x 12 ins., one each E., W. and S. of  
 cor. 3 ft. dist.  
 Land, level.  
 Soil, sandy loam, 1st rate.  
 Timber, none.  
 Undergrowth, creosote and sage brush and cactus.

13.70 From the cor. of secs. 2, 3, 34 and 35, on S. bdy. of  
 township, hereinbefore described,  
 N.  $0^{\circ}$  1' W., on true line, bet. secs. 34 and 35.  
 Over level land, thru scattering undergrowth.  
 Wash, 5 lks. wide, 1 ft. deep, course NE.

Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains  
 20.00 Wash, 10 lks. wide, 2 ft. deep, course NE.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   
 S 34 | S 35  
 1927

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.

45.60 Wash, 5 lks. wide, 2 ft. deep, course E.  
 54.80 Wash, 30 " " 2 " " " E.  
 55.30 Wash, 40 " " 2 " " " E.  
 57.10 Wash, 20 " " 3 " " " E.  
 70.00 Foot of hill, asc. 40 ft.  
 73.70 Wire fence, brs. NW. and SE.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post and raise md. of stone 4 ft. base, 2 ft. high, around post for cor. of secs. 26, 27, 34 and 35, brass cap marked

T 4 N R 16 W  
 S 27 | S 26  
 S 34 | S 35  
 1927

Land, level and rolling.  
 Soil, adobe and gravelly, 2nd and 3rd rate.  
 Timber, none.  
 Undergrowth, creosote brush, cactus, scrub palo verde, ironwood and catclaw.

-----

East, on random line, bet. secs. 26 and 35.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.08 Fall 12 lks. N. of cor. of secs. 25, 26, 35 and 36.  
 Thence  
 N. 89° 55' W., on true line, bet. secs. 26 and 35.  
 Over rolling land, thru scattering undergrowth.  
 20.08 Asc. 240 ft. over NE. slope to  
 40.04 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in ground to bed rock, deposit stone mkd. with cross (X) at base of post and raise md. of stone, 4 ft. base, 2 ft. high, around post, for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$  S 26  
 S 35  
 1927

Ascend 89 ft.  
 43.58 Ridge, brs. NW. and SE., desc. 137 ft.  
 52.48 Drain, course SW. Asc. 74 ft.  
 59.78 Spur, slopes S. Desc. 95 ft.  
 64.73 Wash, 10 lks. wide, 2 ft. deep, course S. Asc. 63 ft.  
 75.98 Spur, slopes S., desc. 24 ft. to  
 80.08 The cor. of secs. 26, 27, 34 and 35.  
 Land, hilly and level.  
 Soil, stony and gravelly, 4th rate.  
 Timber, none.  
 Undergrowth, creosote brush, cactus, scrub ironwood and palo verde.

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## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains N. 0° 1' W., on true line, bet. secs. 26 and 27.  
 Over mountainous land, thru scattering undergrowth.  
 Asc. 200 ft. over steep SW. slope.  
 18.50 Spur, slopes SE., desc. 240 ft.  
 36.50 Wash, 10 lks. wide, 2 ft. deep, course E., Asc. 50 ft. to  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in  
 ground to bed rock, deposit stone mkd. cross (X) at  
 base of post and raise md. of stone 4 ft. base, 2 ft.  
 high, around post, for  $\frac{1}{4}$  sec. cor., brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 27 \quad | \quad \text{S } 26 \\ 1927 \end{array}$$

Asc. 65 ft.  
 51.00 Spur, slopes W. Desc. 74 ft.  
 56.10 Wash, 10 lks. wide, 1 ft. deep, course SW. Asc. 220 ft.  
 73.00 Ridge, brs. E. and W. Desc. 58 ft.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in  
 ground to bed rock, deposit stone mkd. cross (X) at  
 base of post and raise md. of stone, 4 ft. base, 2 ft.  
 high, around post for cor. of secs. 22, 23, 26 and 27,  
 brass cap marked

$$\begin{array}{c} \text{T } 4 \text{ N} \quad \text{R } 16 \text{ W} \\ \text{S } 22 \quad | \quad \text{S } 23 \\ \text{S } 27 \quad | \quad \text{S } 26 \\ 1927 \end{array}$$

Land, mountainous.  
 Soil, stony, 4th rate.  
 Timber, none.  
 Undergrowth, creosote brush, cholla, ocotillo, scrub  
 palo verde and ironwood.

East, on random line, bet. secs. 23 and 26.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.92 Fall 12 lks. N. of cor. of secs. 23, 24, 25 and 26.  
 Thence  
 N. 89° 55' W., on true line, bet. secs. 23 and 26.  
 Over mountainous land, thru scattering undergrowth.  
 7.42 Wash, 10 lks. wide, 2 ft. deep, course NE.  
 8.52 Road, brs. NW. and SE.  
 19.42 Road, bears NE. and SW.  
 39.96 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in  
 ground to bed rock, deposit stone, mkd. cross (X) at  
 base of post and raise md. of stone, 4 ft. base, 2 ft.  
 high around post, for  $\frac{1}{4}$  sec. cor., brass cap marked

$$\frac{1}{4} \frac{\text{S } 23}{\text{S } 26} \\ 1927$$

49.52 Drain, course S. 70° E. Asc. 114 ft.  
 57.92 Spur, slopes N. Desc. 70 ft.  
 60.57 Drain, course NE. Asc. 340 ft. to sec. cor.  
 73.62 Ledge 30 ft. high, brs. NE. and SW.  
 79.92 The cor. of secs. 22, 23, 26 and 27.  
 Land, level and mountainous.  
 Soil, stony, 4th rate.  
 Timber, none.  
 Undergrowth, creosote brush, cactus, scrub ironwood and  
 palo verde.

Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains N. 0° 1' W., on true line, bet. secs. 22 and 23.  
 Over mountainous land, thru scattering undergrowth.  
 Desc. 376 ft.  
 30.00 Foot of mtn. and enter level land.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in  
 ground to bed rock, deposit stone, mkd. cross (X) at  
 base of post and raise md. of stone around post for  
 1/4 sec. cor., brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 22 \text{ } | \text{ } \text{S } 23 \\ \hline 1927 \end{array}$$

56.00 Wash, 10 lks. wide, 2 ft. deep, course E.  
 62.00 Road, brs. E. and W.  
 62.50 Road, brs. NW. and SE.  
 63.50 Malpais knoll, 50 ft. high, brs. E., 5.00 chs. dist..  
 68.60 Wash, 30 lks. wide, 2 ft. deep, course NE.  
 73.20 Wash, 20 " " 2 " " " E.  
 74.00 Wash, 20 " " 2 " " " E.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins.  
 in ground for cor. of secs. 14, 15, 22 and 23, brass  
 cap marked

$$\begin{array}{c} \text{T } 4 \text{ N } \quad \text{R } 16 \text{ W} \\ \text{S } 15 \text{ } | \text{ } \text{S } 14 \\ \text{S } 22 \text{ } | \text{ } \text{S } 23 \\ \hline 1927 \end{array}$$

Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and  
 NW. of cor., 3 ft. dist.

Land, mountainous and level.  
 Soil, stony, 4th rate.  
 Timber, none.  
 Undergrowth, creosote brush, cactus, scrub palo verde,  
 ironwood and catclaw.

East, on random line, bet. secs. 14 and 23.  
 40.00 Set temp. 1/4 sec. cor.  
 79.88 Fall 3 lks. N. of cor. of secs. 13, 14, 23 and 24.  
 Thence  
 N. 89° 59' W., on true line, bet. secs. 14 and 23.  
 Over level land, thru scattering undergrowth,  
 39.94 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 ground for 1/4 sec. cor., brass cap marked

$$\begin{array}{c} \frac{1}{4} \text{ S } 14 \\ \frac{1}{4} \text{ S } 23 \\ \hline 1927 \end{array}$$

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,  
 3 ft. dist.  
 40.78 Wash, 20 lks. wide, 2 ft. deep, course NE.  
 42.68 Wash, 20 lks. wide, 2 " " " NE.  
 43.08 Road, brs. NW. and SE.  
 51.88 Windmill and reservoir bear North, about 5.00 chs. dist.  
 66.88 Wash, 10 lks. wide, 2 ft. deep, course NE.  
 79.88 The cor. of secs. 14, 15, 22 and 23.  
 Land, level.  
 Soil, adobe, 1st rate.  
 Timber, none.  
 Undergrowth, creosote brush, scrub ironwood and palo verde.

## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains N. 0° 1' W., on true line, bet. secs. 14 and 15.  
Over level land, thru scattering undergrowth.  
1.80 Road, brs. E. and W.  
6.10 Wash, 15 lks. wide, 2 ft. deep, course E.  
16.80 Wash, 5 lks. wide, 3 " " " E.  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in  
ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ \text{S 15} \quad | \quad \text{S 14} \\ 1927 \end{array}$$

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,  
3 ft. dist.

53.20 Road, brs. NE. and SW.  
59.10 Wash, 10 lks. wide, 5 ft. deep, course NE.  
64.30 Quartzsite and Vicksburg road, brs. E. and W.  
74.00 Wash, 5 lks. wide, 3 ft. deep, course E.  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in  
ground for cor. of secs. 10, 11, 14 and 15, brass cap  
marked

$$\begin{array}{c} \text{T 4 N} \quad \text{R 16 W} \\ \text{S 10} \quad | \quad \text{S 11} \\ \text{S 15} \quad | \quad \text{S 14} \\ 1927 \end{array}$$

Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and  
NW. of cor., 3 ft. dist.

Land, level.  
Soil, adobe, 1st rate.  
Timber, none.  
Undergrowth, creosote brush, scrub palo verde and iron-  
wood.

East on random line, bet. secs. 11 and 14.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.90 Fall 9 lks. N. of cor. of secs. 11, 12, 13 and 14.  
Thence  
N. 89° 56' W., on true line, bet. secs. 11 and 14.  
Over level land, thru scattering undergrowth.  
13.70 Quartzsite and vicksburg road, brs. N. 60° E., and S.  
60° W.  
30.30 Road, brs. N. and S.  
39.95 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$$\begin{array}{c} \frac{1}{4} \quad \text{S 11} \\ \text{S 14} \\ 1927 \end{array}$$

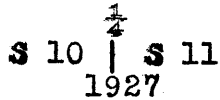
Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,  
3 ft. dist.

79.90 The cor. of secs. 10, 11, 14 and 15.  
Land, level.  
Soil, adobe, 1st rate.  
Timber, none.  
Undergrowth, creosote brush, scrub ironwood and palo verde.

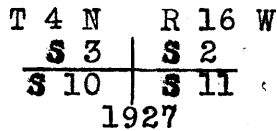


Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains N. 0° 1' W., on true line, bet. secs: 10 and 11.  
 Over level land, thru scattering undergrowth:  
 13.80 Wash; 8 lks. wide, 3 ft. deep, course E.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground for 1/4 sec. cor., brass cap marked

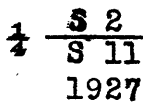


Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in ground for cor. of secs. 2, 3, 10 and 11, brass cap marked



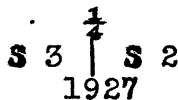
Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.  
 Land, level.  
 Soil, gravelly, 2nd rate.  
 Timber, none.  
 Undergrowth, creosote brush, scrub ironwood and palo verde.

-----  
 East, on random line; bet. secs. 2 and 11.  
 40.00 Set temp. 1/4 sec. cor.  
 79.96 Fall 12 lks. N. of cor. of secs. 1, 2, 11 and 12.  
 Thence  
 N. 89° 55' W., on true line, bet. secs. 2 and 11.  
 Over level land, thru scattering undergrowth.  
 20.16 Road, brs. NE. and SW.  
 39.98 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground for 1/4 sec. cor., brass cap marked



Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.  
 79.96 The cor. of secs. 2, 3, 10 and 11.  
 Land, level.  
 Soil, gravelly, 2nd rate.  
 Timber, none.  
 Undergrowth, creosote brush; scrub ironwood and palo verde.

-----  
 N. 0° 1' W., on true line, bet. secs. 2 and 3.  
 Over level land, thru scattering undergrowth.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground for 1/4 sec. cor., brass cap marked



Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.  
 75.00 Intersect First Standard Parallel North, 2.15 chs. S.

## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains 89° 50' W., of std. cor. of secs. 35 and 36, T. 5 N., R. 16 W., described in Book "J".  
Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in ground for closing cor. of secs. 2 and 3, brass cap marked

T 5 N	R 16 W
S 35	
S 3	S 2
T 4 N	R 16 W
C C	
1927	

Dig pits 18 x 18 x 12 ins., E., W. and S. of cor., 3 ft. dist.

Land, level.

Soil, adobe, 1st rate.

Timber, none.

Undergrowth, creosote brush, scrub ironwood and palo verde.

From the cor. of secs. 3, 4, 33 and 34 on S. bdy. of township, hereinbefore described.

N. 0° 2' W., on true line, bet. secs. 33 and 34.

Over rolling land, thru scattering undergrowth.

21.00 Wash, 40 lks. wide, course NE.

32.60 Wash, 30 " " " NE.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post and raise md. of stone around post for  $\frac{1}{4}$  sec. cor., brass cap marked

S 33	$\frac{1}{4}$	S 34
1927		

46.40 Wash, 10 lks. wide, course E.

68.20 Asc. 160 ft. over SW. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground for cor. of secs. 27, 28, 33 and 34, brass cap marked

T 4 N	R 16 W
S 28	S 27
S 33	S 34
1927	

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

Land, mountainous and rolling.

Soil, stony, 4th rate.

Timber, none.

Undergrowth, creosote brush, ocotillo, cholla, scrub palo verde and sage brush.

East, on random line, bet. secs. 27 and 34.

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

80.00 Fall 2 lks. S. of cor. of secs. 26, 27, 34 and 35.

Thence

S. 89° 59' W., on true line, bet. secs. 27 and 34.

Over rolling land, thru scattering undergrowth.

8.50 Wire fence, brs. NW. and SE.

10.00 Wash, 10 lks. wide, course SE. Asc. 380 ft.

Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains

36.00 Spur, slopes S. Desc. 45 ft. to  
 40.00 Set an iron post, 3 ft. long 1 in. in diam., 12 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post and raise md. of stone around post for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   $\frac{S 27}{S 34}$   
1927

Desc. 284 ft.

53.00 Ravine, course S. Asc. 221 ft.  
 61.30 Spur, slopes S. Desc. 184 ft. to  
 80.00 The cor. of secs. 27, 28, 33 and 34.  
 Land, mountainous and rolling.  
 Soil, stony, 4th rate.  
 Timber, none.  
 Undergrowth, creosote brush, cholla, ocotillo, scrub palo verde and ironwood.

-----  
 N. 0° 2' W., on true line, bet. secs. 27 and 28.  
 Over mountainous land, thru scattering undergrowth.  
 Ascend 142 ft. over SW. slope.

9.70 Spur, slopes SW. Desc. 98 ft.  
 14.60 Ravine, course SW. Asc. 274 ft.  
 25.00 Spur, slopes SW. Desc. 34 ft.  
 26.10 Head of ravine, course SW. Asc. 126 ft. to  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post, and raise md. of stone around post for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   
 S 28 | S 27  
 1927

Asc. 265 ft.

64.06 Ridge, brs. NW. and SE. Desc. 507 ft. over NE. slope to  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post and raise md. of stone around post for cor. of secs. 21, 22, 27 and 28, brass cap marked

T 4 N      R 16 W  
 S 21 | S 22  
 S 28 | S 27  
 1927

Land, mountainous.  
 Soil, stony, 4th rate.  
 Timber, none.  
 Undergrowth, creosote brush, ocotillo, cholla and scrub palo verde.

-----  
 East, on random line, bet. secs. 22 and 27.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.96 Intersect the cor. of secs. 22, 23, 26 and 27.  
 Thence

## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains West, on a true line, bet. secs. 22 and 27.  
Over mountainous land, thru scattering undergrowth.  
Asc. 241 ft.

7.46 Ridge, brs. NW. and SE. Desc. 430 ft. to  
39.98 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in  
ground to bed rock, deposit stone mkd. cross (X) at  
base of post and raise md. of stone around post for  $\frac{1}{4}$   
sec. cor., brass cap marked

$$\frac{1}{4} \begin{array}{c} S 22 \\ S 27 \\ 1927 \end{array}$$

Desc. 127 ft.

48.56 Wash, 10 lks. wide, course NW. Asc. 291 ft. to  
79.96 The cor. of secs. 21, 22, 27 and 28.  
Land, mountainous.  
Soil, stony, 4th rate.  
Timber, none.  
Undergrowth, creosote brush, cholla, ocotillo and scrub  
palo verde.  
Giant cactus.

N.  $0^{\circ} 2'$  W., on true line, bet. secs. 21 and 22.  
Over mountainous land, thru scattering undergrowth.  
Desc. 318 ft. over NE. slope to

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

$$S 21 \begin{array}{c} \frac{1}{4} \\ S 22 \\ 1927 \end{array}$$

Raise md. of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
Thence over rolling land.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in  
ground for cor. of secs. 15, 16, 21 and 22, brass  
cap marked

$$\begin{array}{cc} T 4 N & R 16 W \\ S 16 & S 15 \\ S 21 & S 22 \\ 1927 \end{array}$$

Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and  
NW. of cor., 3 ft. dist.  
Land, rolling.  
Soil, stony, 3rd rate.  
Timber, none.  
Undergrowth, creosote brush, ocotillo, cholla, scrub  
palo verde and ironwood, and sage brush.

East, on random line, bet. secs. 15 and 22.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.00 Fall 2 lks. N. of cor. of secs. 14, 15, 22 and 23.  
Thence  
N.  $89^{\circ} 59'$  W., on true line, bet. secs. 15 and 22.  
Over level land, thru scattering undergrowth.

15.40 Wash, 35 lks. wide, course SE.

Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains

- 17.70 SE. cor. of garage, brs. N. 1 link.
- 20.90 Road, brs. N. and SW.
- 21.18 SE. cor. of house, brs. N. 11° E., 230 lks. dist.  
From same point a mining shaft brs. S. 1° 15' W.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for ¼ sec. cor., brass cap marked

$\frac{1}{4}$   $\frac{\$ 15}{\$ 22}$   
 1927

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.

- From this cor. a mining shaft brs. S. 47° 13' E.
- 42.90 Road, brs. NW. and SE.
- 51.20 Wash, 30 lks. wide, course NE.
- 80.00 The cor. of secs. 15, 16, 21 and 22.  
Land, level.  
Soil, gravelly, 2nd rate.  
Timber, none.  
Undergrowth, creosote and sage brush, ocotillo, cholla, scrub palo verde and ironwood.  
Giant cactus.

N. 0° 2' W., on true line, bet. secs. 15 and 16.  
Over level land, thru scattering undergrowth.

- 7.20 Road, brs. E. and W.
- 16.50 Wash, 5 lks. wide, 3 ft. deep, course E.
- 19.50 Wash, 60 lks. wide, 3 " " " E.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground for ¼ sec. cor., brass cap marked

$\frac{1}{4}$   
 $\$ 16 \mid \$ 15$   
 1927

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.

- 52.20 Wash, 10 lks. wide, 1 ft. deep, course NE.
- 52.60 Quartzsite and Vicksburg road, brs. E. and W.
- 69.60 Wash, 40 lks. wide, 3 ft. deep, course N. 60° E.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in ground for cor. of secs. 9, 10, 15 and 16, brass cap marked

T 4 N    R 16 W  
 $\frac{\$ 9 \mid \$ 10}{\$ 16 \mid \$ 15}$   
 1927

Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor.  
Land, level.  
Soil, adobe and gravelly, 1st and 3rd rate.  
Timber, none.  
Undergrowth, creosote brush, scrub palo verde and iron-wood,

- 40.00 East, on random line, bet. secs. 10 and 15.  
Set temp. ¼ sec. cor.
- 79.94 Fall 1 lk. N. of cor. of secs. 10, 11, 14 and 15.

## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains Thence  
West, on true line, bet. secs. 10 and 15.  
Over level land, thru scattering undergrowth.  
39.97 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
ground for  $\frac{1}{4}$  sec. cor., brass cap marked

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

1927

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,  
3 ft. dist.  
49.94 Wash, 10 lks. wide, 1 ft. deep, course NE.  
79.94 The cor. of secs. 9, 10, 15 and 16.  
Land, level.  
Soil, adobe and gravelly, 1st and 2nd rate.  
Timber, none.  
Undergrowth, creosote brush, scrub palo verde and iron-  
wood.

N.  $0^{\circ} 2'$  W., on true line, bet. secs. 9 and 10.  
Over level land, thru scattering undergrowth.  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in  
ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$$\$ 9 \frac{1}{4} \mid \$ 10$$

1927

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,  
3 ft. dist..  
65.00 Enter overflow land, 3.00 chs. wide, course NE.  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins.  
in ground for cor. of secs. 3, 4, 9 and 10, brass  
cap marked

T 4 N	R 16 W
\$ 4	\$ 3
\$ 9	\$ 10

1927

Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and  
NW. of cor., 3 ft. dist.  
Land, rolling.  
Soil, stony, 3rd rate.  
Timber, none.  
Undergrowth, creosote and sage brush, ocotillo, cholla,  
scrub palo verde and ironwood.

East, on random line, bet. secs. 3 and 10.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.96 Fall 20 lks. S. of cor. of secs. 2, 3, 10 and 11.  
Thence  
S.  $89^{\circ} 51'$  W., on true line, bet. secs. 3 and 10.  
Over level land, thru scattering undergrowth.  
32.46 Wash, 7 lks. wide, 2 ft. deep, course NE.  
39.98 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

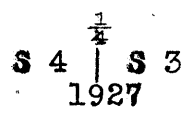
$$\frac{1}{4} \frac{\$ 3}{\$ 10}$$

1927

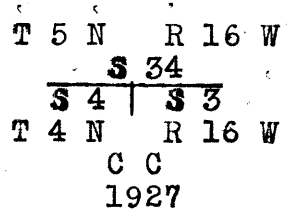
Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist  
 79.96 The cor. of secs. 3, 4, 9 and 10.  
 Land, level.  
 Soil, adobe and gravelly, 1st and 2nd rate.  
 Timber, none.  
 Undergrowth, creosote brush, scrub palo verde and iron-wood.

40.00 N. 0° 2' W., on true line, bet. secs. 3 and 4.  
 Over level land, thru scattering undergrowth.  
 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for 1/4 sec. cor., brass cap marked

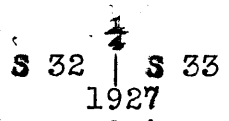


75.00 Dig pits 18 x 18 x 12 ins., one each N. and S. of post, 3 ft. dist.  
 Intersect First Standard Parallel North, 207 lks. S. 89° 50' W. of std. cor. of secs. 34 and 35, T. 5 N., R. 16 W., described in Book "J".  
 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground for closing cor. of secs. 3 and 4, brass cap marked

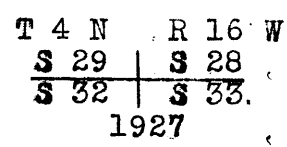


Raise md. of stone, 2 1/2 ft. base, 1 1/2 ft. high, S. of cor.  
 Land, level.  
 Soil, sandy and stony, 2nd and 3rd rate.  
 Timber, none.  
 Undergrowth, creosote and sage brush, scrub ironwood and palo verde; some cactus.

40.00 From the cor. of secs. 4, 5, 32 and 33 on S. bdy. of township, hereinbefore described.  
 N. 0° 2' W., on true line, bet. secs. 32 and 33.  
 Over rolling land, thru scattering undergrowth.  
 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post, and raise md. of stone around post, for 1/4 sec. cor., brass cap marked



80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground for cor. of secs. 28, 29, 32 and 33, brass cap marked

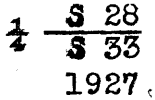


Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains Raise a md, of stone,  $2\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
Land, rolling.  
Soil, stony and sandy, 3rd rate.  
Timber, none.  
Undergrowth, creosote and sage brush, ocotillo, cholla  
and scrub palo verde.

-----  
East, on random line, bet. secs. 28 and 33.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.94 Intersect the cor. of secs. 27, 28, 33 and 34.  
Thence  
West, on true line, bet. secs. 28 and 33.  
Over rolling land, thru scattering undergrowth.  
Desc. 113 ft.

29.74 Wash, 15 lks. wide, course S.  
32.44 Wash, 20 lks. " " SE.  
39.97 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in  
ground to bed rock, deposit stone mkd. cross (X) at  
base of post and raise md. of stone around post for  
 $\frac{1}{4}$  sec. cor., brass cap marked

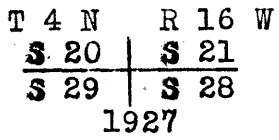


61.24 Wash, 15 lks. wide, course NE.  
79.94 The cor. of secs. 28, 29, 32 and 33.  
Land, rolling.  
Soil, stony, 4th rate.  
Timber, none.  
Undergrowth, creosote brush, scrub palo verde, cholla,  
ocotillo and sage brush.

-----  
N.  $0^{\circ} 2'$  W., on true line, bet. secs. 28 and 29.  
Over rolling land, thru scattering undergrowth.  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins.  
in ground for  $\frac{1}{4}$  sec. cor., brass cap marked



Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,  
3 ft. dist.  
Asc. 151 ft.  
70.80 Spur, slopes SW. Desc. 80. ft.  
74.90 Wash, 10 lks. wide, course SW. Asc. 25 ft. to  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins.  
in ground to bed rock, deposit stone mkd. cross (X)  
at base of post, and raise md. of stone around post  
for cor. of secs. 20, 21, 28 and 29, brass cap marked



Land, mountainous.  
Soil, stony, 4th rate.  
Timber, none.  
Undergrowth, creosote and sage brush, cactus, scrub  
palo verde and ironwood.



Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains East, on random line, bet. secs. 21 and 28.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.90 Fall, 3 lks. S, of cor. of secs. 21, 22, 27 and 28.  
 Thence  
 S.  $89^{\circ} 59'$  W., on true line, bet. secs. 21 and 28.  
 Over mountainous land, thru scattering undergrowth.  
 Asc. 532 ft. over NE. slope.  
 20.90 Ridge, brs. NW. and SE. Desc. 138 ft. to  
 39.95 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in  
 ground to bed rock, deposit stone mkd. cross (X) at  
 base of post and raise md. of stone around post for  
 $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   $\frac{S 21}{S 28}$   
 1927

Desc. 390 ft. over SW. slope.  
 65.10 Ravine, course SW. Asc. 73 ft.  
 68.30 Spur, slopes SW. Desc. 231 ft.  
 77.90 Wash, 10 lks. wide, course SE.  
 79.90 The cor. of secs. 20, 21, 28 and 29.  
 Land, mountainous.  
 Soil, stony, 4th rate.  
 Timber, none.  
 Undergrowth, creosote brush, cholla, ocotillo, and scrub  
 palo verde.

N.  $0^{\circ} 2'$  W., on true line, bet. secs. 20 and 21.  
 Over hilly land, thru scattering undergrowth.  
 Asc. 466 ft.  
 33.70 Ridge, brs. E. and W. Desc. 32 ft. to  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in  
 ground to bed rock, deposit stone mkd. cross (X) at  
 base of post and raise md. of stone, 4 ft. base, 2 ft.  
 high around post for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   
 $\frac{S 20}{S 21}$   
 1927

Desc. 57 ft. over NW. slope.  
 46.00 Desc. 525 ft. over N. slope to wash.  
 50.10 Ledge, 40 ft. high, brs. E. and W.  
 54.20 Ledge, 50 ft. high, brs. E. and W.  
 78.50 Wash, 20 lks. wide, 3 ft. deep, course NW.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins.  
 in ground to bed rock, deposit stone, mkd. cross (X)  
 at base of post and raise md. of stone 3 ft. base,  
 2 ft. high around post for cor. of secs. 16, 17, 20  
 and 21, brass cap marked

T 4 N R 16 W  
 $\frac{S 17}{S 20} \mid \frac{S 16}{S 21}$   
 1927

Land, mountainous.  
 Soil, stony, 4th rate.  
 Timber, none.  
 Undergrowth, creosote brush, cholla, ocotillo, scrub  
 palo verde and ironwood.

Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains East, on random line, bet. secs. 16 and 21.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.04 Fall 6 lks. S. of cor. of secs. 15, 16, 21 and 22.  
 Thence  
 S.  $89^{\circ} 57'$  W., on true line, bet. secs. 16 and 21.  
 Over rolling land, thru scattering undergrowth.  
 34.04 Asc. 30 ft. to  
 40.02 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in  
 ground to bed rock, deposit stone mkd. cross (X) at  
 base of post and raise md. of stone 4 ft. base, 2 ft.  
 high around post for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   $\frac{\$ 16}{\$ 21}$   
 1927

Asc. 17 ft.  
 41.74 Spur, slopes N. Desc. 15 ft.  
 47.04 Drain, course N. Asc. 200 ft.  
 70.14 Spur, slopes N. Desc. 180 ft. to  
 80.04 The cor. of secs. 16, 17, 20 and 21.  
 Land, hilly and mountainous.  
 Soil, stony, 4th rate.  
 Timber, none.  
 Undergrowth, creosote brush, cactus, ocotillo, cholla,  
 scrub palo verde and ironwood.

N.  $0^{\circ} 2'$  W., on true line, bet. secs. 16 and 17.  
 Over rolling land, thru scattering undergrowth.  
 Desc. 40 ft.  
 13.00 Foot of mt. Enter level land.  
 15.90 Wash, 10 lks. wide, 2 ft. deep, course NE.  
 23.30 Road, brs. E. and W.  
 28.70 Quartzsite and Vicksburg road, brs. N.  $70^{\circ}$  E., and S.  $70^{\circ}$   
 W.  
 31.80 Wash, 60 lks. wide, 3 ft. deep, course E.  
 36.80 Wash, 40 lks. wide, 3 " " " E.  
 39.60 Wash, 30 " " 2 " " " E.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in  
 ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   
 $\$ 17$  |  $\$ 16$   
 1927

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,  
 3 ft. dist.  
 44.60 Wash, 30 lks. wide, 3 ft. deep, course E.  
 47.80 Wash, 20 " " 3 " " " E.  
 70.20 Wash, 10 lks. wide, 2 ft. deep, course NE.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
 in ground for cor. of secs. 8, 9, 16 and 17, brass  
 cap marked

T 4 N R 16 W  
 $\$ 8$  |  $\$ 9$   
 $\$ 17$  |  $\$ 16$   
 1927

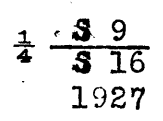
Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and  
 NW. of cor., 3 ft. dist.

Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains Land, level and rolling.  
 Soil, gravelly and stony and adobe, 2nd 3rd and 4th rate.  
 Timber, none.  
 Undergrowth, creosote brush, scrub ironwood and paloverde,  
 some cactus.

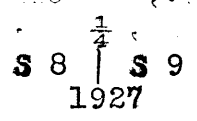
40.00 East, on random line, bet. secs. 9 and 16.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.94 Fall 16 lks. S. of cor. of secs. 9, 10, 15 and 16.

Thence,  
 S. 89° 53' W., on true line, bet. secs. 9 and 16.  
 Over level land, thru scattering undergrowth.  
 39.97 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in  
 ground to bed rock, deposit stone m $\bar{k}$ . cross (X) at  
 base of post and raise md. of stone around post for  
 $\frac{1}{4}$  sec. cor., brass cap marked

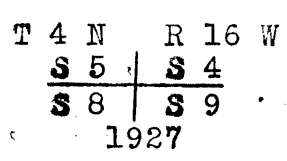


66.44 Wash, 10 lks. wide, 2 ft. deep, course NE.  
 79.94 The cor. of secs. 8, 9, 16 and 17.  
 Land, level.  
 Soil, adobe and gravelly, 1st and 2nd rate.  
 Timber, none.  
 Undergrowth, creosote brush, scrub ironwood and palo verde

40.00 N. 0° 2' W., on true line, bet. secs. 8 and 9.  
 Over gently rolling land, thru scattering undergrowth.  
 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
 ground for  $\frac{1}{4}$  sec. cor.; brass cap marked



80.00 Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,  
 3 ft. dist.  
 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins.  
 in ground for cor. of secs. 4, 5, 8 and 9, brass cap  
 marked



Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and  
 NW. of cor., 3 ft. dist.  
 Land, gently rolling.  
 Soil, sandy loam and gravelly, 1st and 2nd rate.  
 Timber, none.  
 Undergrowth, creosote and sage brush, cactus, scrub  
 palo verde and ironwood.

## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains East, on random line, bet. secs. 4 and 9.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.98 Fall 7 lks. S. of cor. of secs. 3, 4, 9 and 10.  
 Thence  
 S.  $89^{\circ} 57'$  W., on true line, bet. secs. 4 and 9.  
 Over level land, thru scattering undergrowth.  
 39.99 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
 ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$$\frac{1}{4} \frac{S 4}{S 9}$$

1927

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,  
 3 ft. dist.  
 79.98 The cor. of secs. 4, 5, 8 and 9.  
 Land, level.  
 Soil, sandy loam, 2nd rate.  
 Timber, none.  
 Undergrowth, creosote and sage brush, cactus, scrub palo  
 verde and ironwood.

N.  $0^{\circ} 2'$  W., on true line, bet. secs. 4 and 5.  
 Over level land, thru scattering undergrowth.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
 ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$$S 5 \begin{array}{c} \uparrow \\ \frac{1}{4} \\ \downarrow \end{array} S 4$$

1927

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,  
 3 ft. dist.  
 74.84 Intersect the First Standard Parallel North, 2.13 chs.  
 S.  $89^{\circ} 50'$  W. of std. cor. of secs. 33 and 34, T. 5  
 N., R. 16 W., described in Book "J".  
 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in  
 ground for closing cor. of secs. 4 and 5, brass cap  
 marked

$$\begin{array}{r} T 5 N \quad R 16 W \\ \hline S 33 \\ \hline S 5 \quad | \quad S 4 \\ T 4 N \quad R 16 W \\ C C \\ 1927 \end{array}$$

Raise md. of stone,  $2\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, S. of cor.  
 Land, level.  
 Soil, sandy and gravelly, 2nd and 3rd rate.  
 Timber, none.  
 Undergrowth, creosote and sage brush, cactus and scrub  
 ironwood.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of  
 of township, hereinbefore described.  
 N.  $0^{\circ} 3'$  W., on true line, bet. secs. 31 and 32.  
 Over rolling land, thru scattering undergrowth.  
 Descend 100 ft.  
 25.00 Enter level land, brs. NW. and SE.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in  
 ground for  $\frac{1}{4}$  sec. cor., brass cap marked

Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains

S 31	$\frac{1}{4}$	S 32
1927		

- 55.80 Raise md. of stones 3 ft. base, 2 ft. high, W. of cor.
- Wire fence, brs. NE. and SW.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post, and raise md. of stone, 2 ft. base, 1 ft. high, around post for cor. of secs. 29, 30, 31 and 32, brass cap marked

T 4 N	R 16 W
S 30	S 29
S 31	S 32
1927	

Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor.  
 Land, mountainous and level.  
 Soil, stony and gravelly, 3rd rate.  
 Timber, none.  
 Undergrowth, creosote brush, cactus, scrub ironwood and palo verde.

- 40.00 East, on random line, bet. secs. 29 and 32.
- Set temp.  $\frac{1}{4}$  sec. cor.
- 80.04 Intersect cor. of secs. 28, 29, 32 and 33.
- Thence
- West, on true line, bet. secs. 29 and 32.
- Over rolling land, thru scattering undergrowth.
- 40.02 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in ground to bed rock, deposit stone mkd. with cross (X) at base of post and raise md. of stone around post for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$	S 29
	S 32
1927	

- 69.04 Wire fence, brs. NE. and SW.
- 80.04 The cor. of secs. 29, 30, 31 and 32.
- Land, rolling.
- Soil, gravelly and stony, 3rd rate.
- Timber, none.
- Undergrowth, creosote brush, ocotillo, cholla, scrub palo verde and ironwood.
- Giant cactus.

- 40.00 West, on random line, bet. secs. 30 and 31.
- Set temp.  $\frac{1}{4}$  sec. cor.
- 78.41 Fall 5 lks. N. of cor. of secs. 25, 30, 31 and 32, on W. bdy. of township, hereinbefore described.
- Thence
- N. 89° 58' E., on true line, bet. secs. 30 and 31.
- Over rolling land.
- 24.80 Wash, 10 lks. wide, course NW.
- 38.41 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in ground to bed rock, deposit a stone mkd. cross (X) at base of post and raise md. of stone around post for  $\frac{1}{4}$  sec. cor., brass cap marked

## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains

$$\frac{1}{4} \begin{array}{l} S 30 \\ S 31 \end{array}$$
 1927

- 43.80 Road, brs. NW. and SE.  
 62.50 Wash, 60 lks. wide, course NW.  
 74.10 Wash, 50 lks. wide, course NW.  
 78.41 The cor. of secs. 29, 30, 31 and 32.  
 Land, rolling.  
 Soil, gravelly, 3rd rate.  
 Timber, none.  
 Undergrowth, creosote and sage brush, cholla, ocotillo  
 and scrub palo verde.  
 Giant cactus.

N. 0° 3' W., on true line, bet. secs. 29 and 30.  
 Over level land, thru scattering undergrowth.

- 6.00 Wash, 30 lks. wide, 2 ft. deep, course N. 70° E.  
 21.50 Wash, 40 " " 2 " " " N. 20° E.  
 24.10 Same wash, course N. 30° W.  
 30.50 Same wash, 70 lks. wide; 2 ft. deep, course N. 15° E.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ S 30 \quad | \quad S 29 \\ 1927 \end{array}$$

- 69.60 Raise a md. of stone, 3 ft. base, 2 ft. high, W. of cor.  
 Wash, 80 lks. wide, 3 ft. deep, course NE.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in  
 ground to bed rock, deposit stone mkd. cross (X) at  
 base of post, and raise md. of stone around post for  
 cor. of secs. 19, 20, 29 and 30, brass cap marked

$$\begin{array}{c} T 4 N \quad R 16 W \\ S 19 \quad | \quad S 20 \\ S 30 \quad | \quad S 29 \\ 1927 \end{array}$$

Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor.  
 Land, level.  
 Soil, gravelly, 3rd rate.  
 Timber, none.  
 Undergrowth, creosote brush, cholla, ocotillo, scrub  
 palo verde and catclaw.  
 Giant cactus.

- East, on random line, bet. secs. 20 and 29.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.18 Fall 9 lks. S. of cor. of secs. 20, 21, 28 and 29.  
 Thence  
 S. 89° 56' W., on true line, bet. secs. 20 and 29.  
 Over mountainous land, thru scattering undergrowth.  
 Asc. 70 ft.  
 8.68 Spur, slopes S. Desc. 100 ft.  
 17.98 Drain, course S. Asc. 105 ft.  
 24.68 Spur, slopes S. Desc. 190 ft.  
 38.88 Foot of mt., thence over level land.  
 40.09 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 ground for  $\frac{1}{4}$  sec. cor., brass cap marked

## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains

$$\frac{1}{4} \frac{\$ 20}{\$ 29}$$
 1927

- Raise md. of stone, 3 ft. base, 2 ft. high, N. of cor.
- 40.88 Wash, 5 lks. wide, 3 ft. deep, course NW.
- 60.98 Wash, 15 lks. " 3 " " " N.
- 66.98 Wash, 40 " " 3 " " " N.
- 75.58 Wash, 70 " " 3 " " " N.
- 80.18 The cor. of secs. 19, 20, 29 and 30.  
Land, mountainous and level.  
Soil, gravelly and stony, 2nd and 3rd rate.  
Timber, none.  
Undergrowth, creosote brush, cholla, ocotillo, cactus,  
scrub ironwood, palo verde and catclaw.

- West, on random line, bet. secs. 19 and 30.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 78.24 Fall 6 lks. S. of cor. of secs. 19, 24, 25 and 30, on W.  
bdy. of township, hereinbefore described.  
Thence  
S. 89° 57' E., on true line, bet. secs. 19 and 30.  
Over rolling land, thru scattering undergrowth.
- 35.54 Wash, 30 lks. wide, course NE.
- 38.24 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in  
ground to bed rock, deposit stone mkd. cross (X) at  
base of post and raise md. of stone around post for  
 $\frac{1}{4}$  sec. cor., brass cap marked

$$\frac{1}{4} \frac{\$ 19}{\$ 30}$$
 1927

- 42.14 Wash, 25 lks. wide, course NW.
- 58.44 Road, brs. NW. and SE.
- 77.34 Wash, 15 lks. wide, course NE.
- 78.24 The cor. of secs. 19, 20, 29 and 30.  
Land, rolling.  
Soil, gravelly and stony, 3rd rate.  
Timber, none.  
Undergrowth, creosote and sage brush, cholla, ocotillo,  
scrub palo verde, ironwood and catclaw.  
Giant cactus.

- N. 0° 3' W., on true line, bet. secs. 19 and 20.  
Over level land, thru scattering undergrowth.
- 1.80 Wash, 40 lks. wide, 2 ft. deep, course NE.
- 27.30 Wash, 10 " " 2 " " " "
- 31.50 Enter wash 30 lks. wide, 2 ft. deep, from SW. to N.
- 33.00 Leave wash, from S. to NE.
- 39.70 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in  
ground for witness cor. to  $\frac{1}{4}$  sec. cor., brass cap marked

W C

$$\frac{1}{4} \frac{\$ 19}{\$ 20}$$
 1927

- 40.00 Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor.  
True pt. for  $\frac{1}{4}$  sec. cor., falls in wash where it is im-  
practicable to monument the cor., therefore estab.  
W. C. at 30 lks. S. 0° 3' E., as described above.
- 40.25 Wash, 70 lks. wide, 3 ft. deep, course NE.
- 56.80 Same wash, 10 lks. wide, 3 ft. deep, course NW.

## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

- Chains
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in ground to bed rock, deposit stone, mkd. cross (X) at base of post, raise md. of stone around post for cor. of secs. 17, 18, 19 and 20, brass cap marked
- |       |        |
|-------|--------|
| T 4 N | R 16 W |
| \$ 18 | \$ 17  |
| \$ 19 | \$ 20  |
- 1927
- Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor. Land, level.  
Soil, gravelly, 2nd and 3rd rate.  
Timber, none  
Undergrowth, creosote brush, cactus, scrub ironwood, palo verde and catclaw.
- 
- East, on random line, bet. secs. 17 and 20.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.14 Fall 20 lks. S. of cor. of secs. 16, 17, 20 and 21. Thence  
S. 89° 51' W., on true line, bet. secs. 17 and 20. Over mountainous land, thru scattering undergrowth.
- 1.54 Wash, 10 lks. wide, 3 ft. deep, course NW.
- 7.74 Wash, 10. " " 3 " " " N.  
Asc. 109 ft.
- 21.24 Spur, slopes NW. Desc. 122 ft.
- 40.07 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in ground to bed rock, raise a small md. of stone around post for  $\frac{1}{4}$  sec. cor., brass cap marked
- |               |       |
|---------------|-------|
| $\frac{1}{4}$ | \$ 17 |
|               | \$ 20 |
- 1927
- Raise md. of stone 3 ft. base, 2 ft. high, N. of cor.
- 41.44 Wash, 10 lks. wide, 3 ft. deep, course N. Asc. 80 ft.
- 48.04 Spur, slopes NW. Desc. 63 ft.
- 68.54 Wash, 30 lks. wide, 2 ft. deep, course N.
- 80.14 The cor. of secs. 17, 18, 19 and 20.  
Land, mountainous.  
Soil, stony, 4th rate.  
Timber, none.  
Undergrowth, creosote brush, ocotillo, cholla, scrub palo verde, ironwood and catclaw.
- 
- West, on random line, bet. secs. 18 and 19.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 78.23 Fall 5 lks. N. of cor. of secs. 13, 18, 19 and 24, on W. bdy. of township, hereinbefore described.  
Thence  
N. 89° 58' E., on true line, bet. secs. 18 and 19. Over rolling land.
- 8.60 Wash, 80 lks. wide, course NE.
- 29.90 Quartzsite and Vicksburg road, brs. N. 70° E., and S. 70° W.
- 37.60 Wash, 10 lks. wide, course NW.
- 38.23 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in ground to bed rock, deposit stone mkd. with cross (X) at base of post and raise a md. of stone around post for  $\frac{1}{4}$  sec. cor., brass cap marked



Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains

$\frac{1}{4}$   $\frac{S 18}{S 19}$   
1927

48.80 Road, brs. NW. and SE.  
76.30 Wash, 122 lks. wide, course NE.  
78.23 The cor. of secs. 17, 18, 19 and 20.  
Land, rolling.  
Soil, gravelly, 3rd rate.  
Timber, none.  
Undergrowth, creosote brush, cholla, ocotillo, scrub palo verde, ironwood and catclaw.  
Giant cactus.

N. 0° 3' W., on true line, bet. secs. 17 and 18.  
Over rolling land, thru scattering undergrowth.

4.20 Wash, 110 lks. wide, course NE.  
9.80 Quartzsite and Vicksburg Road, brs. N. 60° E., and S. 70° W.  
28.40 Road, brs. NW. and SE.  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   
S 18 | S 17  
1927

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.  
47.60 Wash, 120 lks. wide, course NE. Asc. 215 ft. over SE. slope.  
63.50 Spur, slopes SW.  
65.00 Head of ravine, course SW.  
70.80 Ridge, brs. NW. and SE.; desc. 145 ft. over NE. slope.  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in ground to bed rock, deposit stone, mkd. cross (X) at base of post and raise md. of stone around post for cor. of secs. 7, 8, 17 and 18, brass cap marked

T 4 N R 16 W  
S 7 | S 8  
S 18 | S 17  
1927

Land, mountainous.  
Soil, stony, 4th rate.  
Timber, none.  
Undergrowth, creosote and sage brush, cactus, scrub palo verde, ironwood and catclaw.  
Giant cactus

N. 89° 56' E., on random line, bet. secs. 8 and 17.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.06 Intersect the cor. of secs. 8, 9, 16 and 17.  
Thence

S. 89° 56' W., on true line, bet. secs. 8 and 17.  
Over rolling land, thru scattering undergrowth.  
40.03 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   $\frac{S 8}{S 17}$   
1927

## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

- Chains Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,  
3 ft. dist.
- 80.06 The cor. of secs. 7, 8, 17 and 18.  
Land, rolling.  
Soil, gravelly, 2nd and 3rd rate.  
Timber, none.  
Undergrowth, creosote brush, cactus, scrub palo verde  
and ironwood.
- 
- West, on random line, bet. secs. 7 and 18.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 78.14 Fall 10 lks. N. of cor. of secs. 7, 12, 13 and 18, on the  
W. bdy. of township, hereinbefore described.  
Thence  
N. 89° 56' E., on true line, bet. secs. 7 and 18.  
Over rolling land, thru scattering undergrowth.
- 9.34 Wash, 30 lks. wide, 3 ft. deep, course SE.
- 24.74 Dim road, brs. NW. and SE.
- 38.14 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in  
ground to bed rock, deposit stone, mkd. cross (X) at  
base of post and raise md. of stone 2 ft. base, 1 ft.  
high, around post for  $\frac{1}{4}$  sec. cor., brass cap marked
- $\frac{1}{4}$   $\frac{S 7}{S 18}$   
1927
- Raise md. of stone, 3 ft. base, 2 ft. high, N. of cor.  
Asc. 102 ft.
- 46.54 Spur, slopes SW. Desc. 64 ft.
- 49.94 Drain, course SW. Asc. 215 ft.
- 63.34 Spur, slopes SW. Desc. 30 ft.
- 65.24 Head of drain, course S. Asc. 60 ft.
- 71.64 Ridge, brs. NW. and SE. Desc. 213 ft. to cor.
- 72.84 Ledge, 30 ft. high, brs. NW. and SE. Continue to descend
- 78.14 The cor. of secs. 7, 8, 17 and 18.  
Land, rolling and mountainous.  
Soil, stony, 4th rate.  
Timber, none.  
Undergrowth, creosote brush, cholla, ocotillo, scrub  
palo verde, ironwood and catclaw.
- 
- N. 0° 3' W., on true line, bet. secs. 7 and 8.  
Over hilly land, thru scattering undergrowth.  
Desc. 140 ft. over NE. slope.
- 20.00 Foot of mountain. Enter level land.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in  
ground for  $\frac{1}{4}$  sec. cor., brass cap marked
- $\frac{1}{4}$   
S 7 | S 8  
1927
- 80.00 Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor.  
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
in ground for cor. of secs. 5, 6, 7 and 8, brass cap  
marked

Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains

T 4 N    R 16 W  
 S 6 | S 5  
 S 7 | S 8  
 1927

Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor. Land, rolling and level.  
 Soil, stony and gravelly, 3rd and 4th rate.  
 Timber, none.  
 Undergrowth, creosote brush, ocotillo, cholla, scrub catclaw, palo verde and ironwood.

East, on random line, bet. secs. 5 and 8.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.90 Fall 12 lks. S. of cor. of secs. 4, 5, 8 and 9.  
Thence
- S.  $89^{\circ} 55'$  W., on true line, bet. secs. 5 and 8.  
Over level land, thru scattering undergrowth.
- 14.90 Enter overflow land, 2.00 chs. wide, course N.
- 39.95 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4} \frac{S 5}{S 8}$   
1927

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.

- 62.90 Enter overflow land, 3.00 chs. wide, course N.
- 79.90 The cor. of secs. 5, 6, 7 and 8.  
Land, level.  
Soil, gravelly, 2nd and 3rd rate.  
Timber, none.  
Undergrowth, creosote brush, scrub palo verde, ironwood and catclaw.

West, on random line, bet. secs. 6 and 7.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 78.06 Fall 12 lks. N. of cor. of secs. 1, 6, 7 and 12, on W. bdy. of township, hereinbefore described.  
Thence
- N.  $89^{\circ} 55'$  E., on true line, bet. secs. 6 and 7.  
Over level land, thru scattering undergrowth,
- 4.36 Wash, 20 lks. wide, 3 ft. deep, course NE.
- 9.96 Wash, 10 lks. wide, 3 " " " " " NE.
- Ascend gradually 30 ft. to
- 38.06 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4} \frac{S 6}{S 7}$   
1927

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist. Desc. gradual E: slope.

- 55.06 Enter overflow land, 2.00 chs. wide, course N.
- 64.06 Enter overflow land, 2.00 chs. wide, course N.
- 78.06 The cor. of secs. 5, 6, 7 and 8.

## Survey of Subdivisional Lines of Township 4 North, Range 16 West.

Chains Land, level and gently rolling.  
Soil, gravelly and sandy loam, 1st and 2nd rate.  
Timber, none.  
Undergrowth, creosote brush, cactus, scrub palo verde and ironwood.

40.00 N.  $0^{\circ} 3'$  W., on true line, bet. secs. 5 and 6.  
Over level land, thru scattering undergrowth.  
Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in ground for  $\frac{1}{4}$  sec. cor., brass cap marked

$\frac{1}{4}$   
 S 6 | S 5  
 1927

74.70 Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor.  
Intersect the First Standard Parallel North 176 lks. S.  
 $89^{\circ} 50'$  W. of std. cor. of secs. 32 and 33, T. 5 N.,  
R. 16 W., described in Book "J".  
Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in ground for closing cor. of secs. 5 and 6, brass cap marked

T 5 N    R 16 W  
          S 32

S 6	S 5
T 4 N	R 16 W
C C	
1927	

Raise a md. of stone, 3 ft. base, 2 ft. high, S. of cor.

Land, slightly rolling.  
Soil, gravelly, 2nd and 3rd rate.  
Timber, none.  
Undergrowth, creosote brush, cactus and scrub palo verde and ironwood.

The continued satisfactory adjustment of the solar apparatus of the instruments used in the execution of the surveys described in the foregoing field notes is indicated from field tests described in Book "L", of this group.

GENERAL DESCRIPTION.

This township is traversed by one mountain range, running NW. and SE., thru the southern portion. There are a few hills in the SW. corner; also a few in secs. 7, 8, 17 and 18. The remainder of the township is nearly level. The drainage in the south part flows toward the east. The drainage in the northern part flows towards the NE.

The Quartzsite and Vicksburg highway, runs NE. and SW. thru the township.

Soil, sandy loam and gravelly, and stony, 1st, 3rd and 4th rate.

Undergrowth, creosote brush, cholla, ocotillo, sage brush scrub, palo verde, ironwood and catclaw.

Scattering bunch grass along the washes and overflow land.

Giant cactus in the hilly land.

There is a mine in secs. 35 and 36 and in secs. 15 and 22.

A good well of good water was found in sec. 14.

Homesteaders are located in Secs. 1, 12, 13 and 15.

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CERTIFICATE OF ~~UNSUB~~ TRANSIT MANOR.

I, Charles E. Hunter, ~~U.S. Transitman~~, hereby certify upon honor that, in pursuance of special instructions received from the ~~U.S. District Cadastral Engineer~~, for Group 143, Arizona, bearing date of the 23rd day of July, 1926, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_  
the South Boundary,  
\_\_\_\_\_ West Boundary \_\_\_\_\_  
\_\_\_\_\_ North Boundary and \_\_\_\_\_  
\_\_\_\_\_ Subdivision Lines of \_\_\_\_\_  
Township 4 North, Range 16 West \_\_\_\_\_ of the Gila and Salt  
River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes and by diagram on page 1 hereof as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the ~~U.S. District Cadastral Engineer~~, for Group 143, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place: Phoenix Arizona.  
Date: December 2, 1927.

Charles E. Hunter  
U.S. ~~Transitman~~

APPROVAL

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,  
\_\_\_\_\_, 19\_\_\_\_  
The foregoing field notes of the survey of \_\_\_\_\_  
\_\_\_\_\_ executed by \_\_\_\_\_  
under his special instructions dated \_\_\_\_\_, 19\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.  
\_\_\_\_\_  
U. S. Surveyor General.  
I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_  
\_\_\_\_\_, has been correctly copied from the original notes on file in this office.  
\_\_\_\_\_  
U. S. Surveyor General.

4-680

**FIELD ASSISTANTS.**  
To

Otis O. Gould, U.S.Transitman

NAMES.	CAPACITY.
Fred W. Pender	1st Chainman
Rufford J. Price	2nd Chainman
Earl Utter	Flagman
Joseph M. Maxwell	Moundman



CERTIFICATE OF U.S. TRANSITMAN

I, Otis O. Gould U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U.S. District Cadastral Engineer, for Group 143, Arizona, bearing date of the 23rd day of July, 1926, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

the Subdivision lines of

Township 4 North, Range 16 West of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes <sup>and by diagram on page 1 hereof</sup> as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U.S. District Cadastral Engineer, for Group 143, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place:  
Phoenix, Arizona.  
Date:  
NOV. 1, 1927.

*Otis O. Gould*  
U.S. Transitman

APPROVAL.

OFFICE OF THE U.S. SUPERVISOR OF SURVEYS,

Denver, Colo., DEC. 10, 1927

The foregoing field notes of the survey of the South Boundary

West boundary,

North boundary

and Subdivision Lines of

Township 4 North, Range 16 West

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

executed by Charles E. Hunter, and Otis O. Gould, U.S. Transitmen,

under special instructions dated July 23, 1926 for Group 143 Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Frank A. Johnson*  
U.S. Supervisor of Surveys

I certify that the foregoing transcript of the field notes of the above described surveys in

has been correctly copied from the original notes on file in this office.

U. S. Surveyor General