

4-679

BOOK 3790

FIELD NOTES

OF THE SURVEY OF THE

East Boundary

and

Subdivision Lines,

of

Township 4 North, Range 14 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. Surveyor, 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 December 28, 1926.

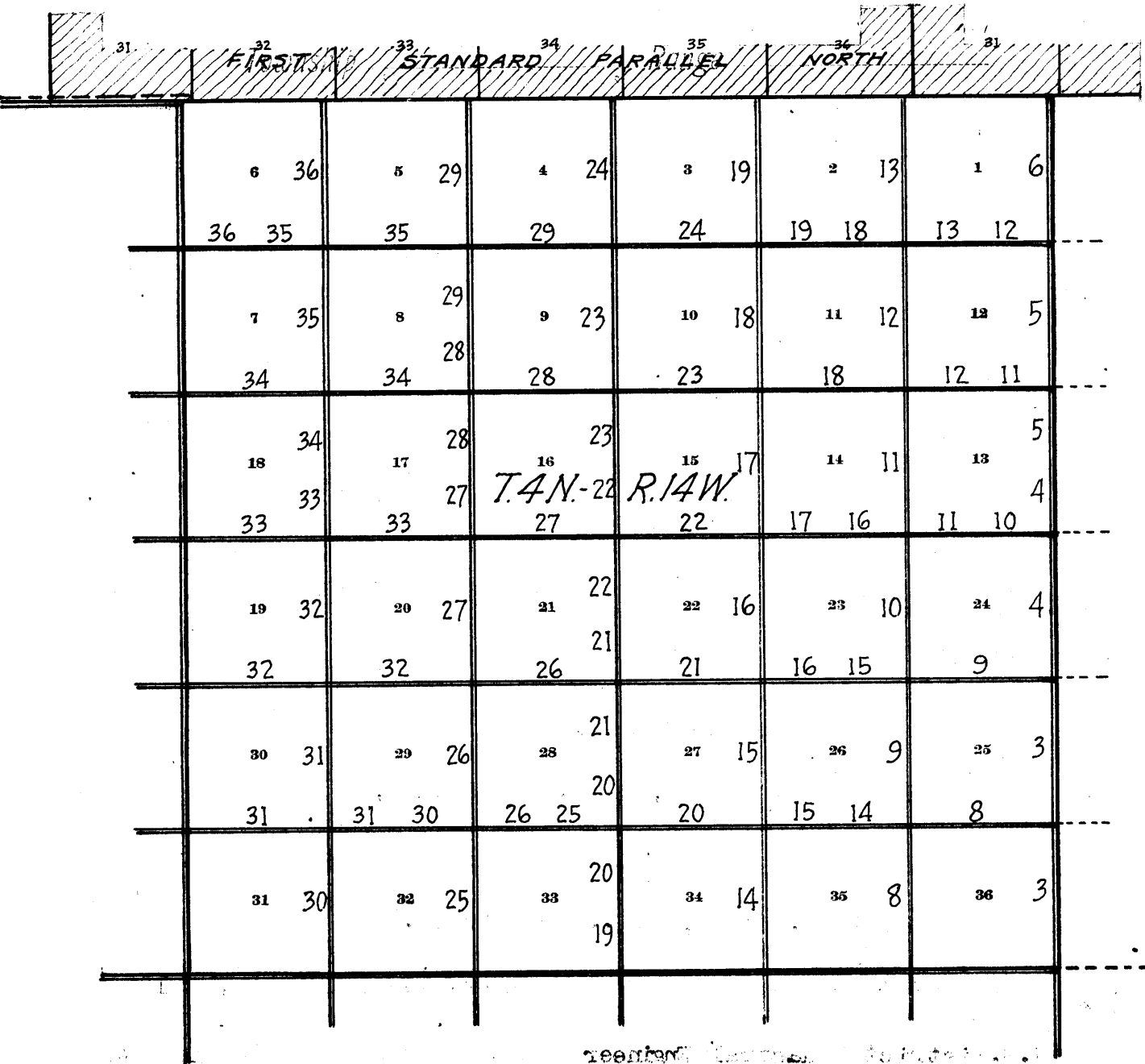
Survey completed January 13, 1927.

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3790

BOOK 3790


INDEX DIAGRAM.

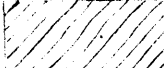


 Surveyed under this group.

 Retraced under this group.

 Accepted surveys, retracements or resurveys.

 Unsurveyed.

 Areas surveyed as per accepted plats on file.

Book "H"

Group 143 Arizona

Township 4 North, Range 14 West.

DATE DIAGRAM.

R.15W. R.14W.
31
For dates of
Retracement of
1st Std. Par. N.
See Book "G"

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

R.15W.	R.14W.	32	33	34	35	R.14W.	R.13W.
	31					36	31
1st Standard Parallel North							
Surveyed in Dec. 1908 and Jan. 1909 by J.F.Hesse U.S.D.S.							
	6	5	4	3	2	1	
	1-13-27	1-13-27	1-12-27	1-12-27	1-12-27	1-11-27	1-10-27
	7	8	9	10	11	12	26 27
	1-13-27	1-12-27	1-11-27	1-12-27	1-11-27	1-11-27	12-28 1-10-27
	18	17	16	15	14	13	12-28-26
	1-12-27	1-11-27	1-10-27	1-11-27	1-8-27	1-10-27	12-28-26
	19	20	21	22	23	24	12-28-26
	1-11-27	1-10-27	1-10-27	1-8-27	1-7-27	1-6-27	12-28-26
	30	29	28	27	26	25	12-28-26
	1-10-27	1-10-27	1-8-27	1-7-27	1-6-27	1-6-27	12-28-26
	31	32	33	34	35	36	12-28-26
	1-10-27	1-8-27	1-7-27	1-6-27	1-6-27		

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

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

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

Accepted surveys, retracements or resurveys.

Surveys executed on dates shown on diagram on page 1 hereof by Charles E. Hunter, U. S. Transitman, using 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 adjustment of the transits, and find them correct; then, to test the solar apparatuses by comparing their 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.

December 26, 1926. At 9 h. 0 m., a. m., app. t., set off $33^{\circ} 39\frac{1}{2}'$ N. on the lat. arc; $23^{\circ} 21'$ S. on the decl. arc, and determine a meridian with the solar which agrees with the true meridian.

At app. noon, with the lat. arc unchanged, set off $23^{\circ} 21'$ S., on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At 3 h. 0 m., p. m., app. t., with the lat. arc unchanged, set off $23^{\circ} 20\frac{1}{2}'$ 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; $22^{\circ} 05'$ 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 $22^{\circ} 05'$ S., on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

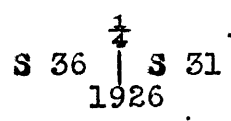
As all of the solar observations made during the usual hours of solar work come within $1\frac{1}{2}'$ of the true meridian, conclude that the instruments are in satisfactory adjustment.

Unless otherwise specified all measurements were made with Lallie steel tapes, 5.00 chains in length, compared with a Lufkin standard steel tape 1 chain in length and found correct.

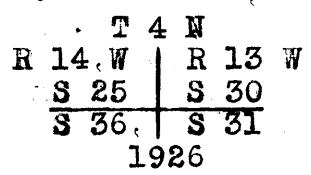
All measurements herein recorded are made upon the slope the vertical angles determined with a clinometer and the slope measurement properly reduced to true horizontal distance for entry in the field notes.

Survey of East Boundary of Township 4 North, Range 14 West.

Chains From the cor. of Ts. 3 and 4 N., Rs. 13 and 14 W., described in Book "F".
 North, on a true line, bet. secs. 31 and 36.
 Over mountainous land, thru scattering undergrowth.
 Descend 280 ft. over steep broken N. slope.
 14.50 Ravine, 30 lks. wide, 6 ft. deep, course NW.
 37.20 Wash, 10 lks. wide, 2 ft. deep, course NW.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 5 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post and raise a md. of stone 4 ft. base, 2 ft. high around post for $\frac{1}{4}$ sec. cor., brass cap marked

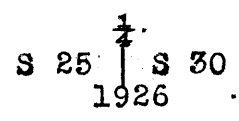


59.60 Wash, 50 lks. wide, 2 ft. deep, course S. 60° W.
 61.30 Wash, 20 lks. wide, 2 ft. deep, course west.
 69.90 Road, brs. N. 70° E., and S. 70° W.
 80.00 Set an iron post; 3 ft. long, 2 ins. in diam., 24 ins. in ground for cor. of secs. 25, 30, 31 and 36, brass cap marked



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

North, on true line, bet. secs. 25 and 30.
 Over level land, thru scattering undergrowth.
 7.80 Wash, 10 lks. wide, 2 ft. deep, course SW.
 14.60 Wash, 10 lks. wide, 2 ft. deep, course SW.
 25.20 Wash, 20 lks. wide, 4 ft. deep, course SW.
 32.10 Road, brs. N. 60° E., and S. 60° W.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post and raise a md. of stone 3 ft. base, 1 1/2 ft. high around post for $\frac{1}{4}$ sec. cor., brass cap marked



46.60 Ravine, 60 lks. wide, 7 ft. deep, course SW.
 50.10 Road, brs. N. 60° W., and S. 60° E.
 60.60 Wash, 5 lks. wide, 2 ft. deep, course SW. Asc. 125 ft. over S. slope.
 69.50 Spur, slopes east, desc. 50 ft.
 76.40 Drain, course E. Asc. 40 ft. to
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 4 ins. in ground to bed rock, deposit a 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. 19, 24, 25 and 30, brass cap marked

Survey of East Boundary of Township 4 North, Range 14 West.

Chains

T 4 N	
R 14 W	R 13 W
S 24	S 19
S 25	S 30
1926	

This cor. is on a spur sloping East.
Land, rolling.
Soil, stony, 4th rate.
Timber, none.
Undergrowth, creosote brush, scrub palo verde and iron-wood, cholla and ocotillo.
Giant cactus.

-
- North, on true line, bet. secs. 19 and 24.
Over hilly land, thru scattering undergrowth, desc. 50 ft.
- 7.40 Wash, 15 lks. wide, 3 ft. deep, course SE. Asc. 175 ft.
along SE. slope.
- 31.20 Spur, slopes S. 10° W., desc. 20 ft.
- 37.00 Head of drain, course SW.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in ground to bed rock, deposit a stone marked with cross (X) at base of post and raise a md. of stone 4 ft. base, 2 ft. high, around post, for $\frac{1}{4}$ sec. cor., brass cap marked

$\frac{1}{4}$	
S 24	S 19
1926	

- Asc. 27 ft.
- 41.30 Spur, slopes W. Desc. 115 ft.
- 46.70 Drain, course NW. Asc. 50 ft.
- 54.00 Spur, slopes W. Desc. 110 ft.
- 63.60 Wash, 10 lks. wide, 2 ft. deep, course SW. Asc. 220 ft.
- 73.00 Ridge, brs. E. and W. Desc. 40 ft.
- 77.80 Drain, course E. Asc. 30 ft. to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in ground to bed rock, deposit a 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. 13, 18, 19 and 24, brass cap marked

T 4 N	
R 14 W	R 13 W
S 13	S 18
S 24	S 19
1926	

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

-
- North, on true line, bet. secs. 13 and 18.
Over mountainous land, thru scattering undergrowth.
Asc. 5 ft.
- 0.45 Spur, slopes E. Desc. 180 ft. over N. slope
- 15.30 Wash, 5 lks. wide, 3 ft. deep, course NE.
- 25.25 Same wash, 20 lks. wide, 4 ft. deep, course NW.
- 32.10 Road, brs. NW. and SE.

Survey of East Boundary of Township 4 North, Range 14 West.

Chains

- 35.60 Ravine, 40 lks. wide, 3 ft. deep, course NW. Asc. 40 ft.
 38.70 Point of spur, slopes west. Desc. 7 ft. to
 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
 1926

Raise a md. of stone, 3 ft. base, 2 ft. high, W. of cor.
 Desc. 40 ft.

- 45.50 Wash, 10 lks. wide, 2 ft. deep, course W.
 63.15 Road, brs. NE. and SW.
 66.50 S. bank of ravine, 9 ft. deep, course W.
 69.15 N. bank of ravine, 4 ft. deep, course W.
 76.50 Wash, 10 lks. wide, 7 ft. deep, course W.
 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. 7, 12, 13 and 18,
 brass cap marked

T 4 N
 R 14 W | R 13 W
 S 12 | S 7
 S 13 | S 18
 1926

Land, rolling.

Soil, stony, 4th rate.

Timber, none.

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

Giant cactus.

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

Over rolling land, thru scattering undergrowth.

- 0.75 Wash, 10 lks. wide, 6 ft. deep, course W.
 4.40 Wash, 10 lks. wide, 8 ft. deep, course SW.
 12.20 Wash, 20 lks. wide, 8 ft. deep, course W.
 15.30 Wash, 20 lks. wide, 9 ft. deep, course W.
 25.30 Wash, 20 lks. wide, 7 ft. deep, course SW.
 30.60 Asc. 45 ft.
 33.40 Spur, slopes SW. Desc. 35 ft.
 36.20 Wash, 8 lks. wide, 6 ft. deep, course SW.
 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 3 ft. base, 2 ft.
 high around post for $\frac{1}{4}$ sec. cor., brass cap marked

$\frac{1}{4}$
 S 12 | S 7
 1926

- 41.50 Wash, 30 lks. wide, 8 ft. deep, course W.
 43.30 Wash, 10 lks. wide, 4 ft. deep, course W.
 52.00 Wash, 30 lks. wide, 5 ft. deep, course SW.
 55.00 Asc. 232 ft.
 67.30 Spur, slopes W. Desc. 150 ft.
 78.40 Ravine 60 lks. wide, 10 ft. deep, course W. Asc. 25 ft.
 to

Survey of East Boundary of Township 4 North, Range 14 West.

Chains

80.00 Set an iron post, 3 ft. long; 2 ins. in diam., 12 ins. in ground to bed rock; deposit stone, marked cross (X) at base of post and raise a md. of stone 4 ft. base, 2 ft. high around post for cor. of secs. 1, 6, 7 and 12, brass cap marked

	T 4 N	
R 14 W		R 13 W
S 12		S 6
S 12		S 7
1927		

Land, rolling and mountainous.

Soil, stony, 4th rate.

Timber, none.

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

Giant cactus.

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

Over mountainous land, thru scattering undergrowth.

Ascend 90 ft.

4.20 Spur, slopes W. Desc. 96 ft.
 13.80 Wash, 10 lks. wide, 3 ft. deep, course W. Asc. 320 ft.
 24.85 Spur, slopes W. Desc. 140 ft.
 38.80 Wash, 10 lks. wide, 3 ft. deep, course W. Asc. 30 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam.; 10 ins. in ground to bed rock, deposit stone marked 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 1		S 6
1927.		

Ascend 246 ft.

46.10 Spur, slopes NW. Desc. 142 ft. over NE. slope.

60.50 Foot of hill.

62.40 Wash, 5 lks. wide, 2 ft. deep, course NW.

65.30 Same wash, 5 lks. wide, 2 ft. deep, course NE.

74.70 Wash, 10 lks. wide; 2 ft. deep; course NE.

77.35 Intersect the First Standard Parallel North 3.82 chs. S. $89^{\circ} 58'$ W. of standard cor. of secs. 31 and 32, T. 5 N., R. 13 W., which is a granite stone 8 x 10, 6 ins. above ground, firmly set, marked S C on N. face, 5 grooves on E., and 1 groove on W. faces, witnessed by mound of stone N. of cor.

Set an iron post, 3 ft. long, 3 ins. in diam., 12 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post and raise a md. of stone, 4 ft. base, $1\frac{1}{2}$ ft. high around post for closing cor. of T. 4 N., Rs. 13 and 14 W., brass cap marked

	T 5 N	R 13 W
	S 31	
S 1		S 6
R 14 W		R 13 W
	T 4 N	
	C C	
1927		

Land, mountainous.

Soil, stony, 4th rate.

Timber, none.

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

Giant cactus.

Latitudes, Departures and Closing Errors.

Line designated.	True course	Dist- ance.	Latitudes		Departures	
			N.	S.	E.	W.
South Boundary	N.89°59' W.	478.69	.15			478.69
West Boundary	North	476.88	476.88			
North Boundary, (1st Std.Par.N)	N.89°57'E.	4.77			4.77	
	East	240:00			240:00	
	N.89°58'E.	232.59	.13		232.59	
East Boundary	South	477.35		477.35		
Convergency					0.48	
Totals			477.16	477.35	477.84	478.69
				477.16		477.84
Error in latitude			0.19			
Error in departure					0.85	

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

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

16.00 Wash, 10 lks. wide, 1 ft. deep, course SW.
 29.80 Road, brs. NE. and SW.
 34.80 Wash, 15 lks. wide, 2 ft. deep, course SW.
 38.30 Wash, 10 lks. wide, 1 ft. deep, course SW.
 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 35		S 36
1927		

48.30 Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor.
 Wash, 40 lks. wide, $1\frac{1}{2}$ ft. deep, course W.
 51.50 Road, bears E. and W.
 64.40 Wash, 10 lks. wide, 1 ft. deep, course W.
 74.70 Wash, 10 lks. wide, 1 ft. deep, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 25, 26, 35 and 36, brass cap marked

T 4 N	R 14 W
S 26	S 25
S 35	S 36
1927	

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

40.00 East, on random line, bet. secs. 25 and 36.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.86 Fall 13 lks. S. of cor. of secs. 25, 30, 31 and 36, on E. bdy. of township, hereinbefore described.
 Thence
 S. $89^{\circ} 54' W.$, on true line, bet. secs. 25 and 36.
 Over level land, thru scattering undergrowth.

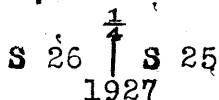
8.41 Road, brs. NW. and SE.
 10.96 Wash, 40 lks. wide, 2 ft. deep, course SW.
 31.11 Wash, 10 lks. wide, 1 ft. deep, course SW.
 39.93 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked

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

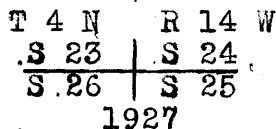
44.66 Raise a md. of stone, 3 ft. base, 2 ft. high, N. of cor.
 Road, brs. NE. and SW.
 55.06 Wash, 10 lks. wide, 1 ft. deep, course SW.
 57.66 Wash, 30 lks. wide, 2 ft. deep, course SW.
 71.46 Wash, 10 lks. wide, 1 ft. deep, course SW.
 79.86 The cor. of secs. 25, 26, 35 and 36.
 Land, level.
 Soil, stony, 4th rate.
 Timber, none.
 Undergrowth, creosote brush, scrub mesquite and palo verde, and cactus.

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains N. 0° 1' W., on true line bet. secs. 25 and 26.
 Over level land, thru scattering undergrowth.
 7.50 Wash, 8 lks. wide, 2 ft. deep, course SW.
 10.50 Road, bears E. and W.
 18.40 Wash, 30 lks. wide, 2 ft. deep, course W.
 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

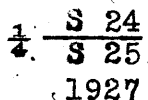


Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor.
 44.10 Road, brs. E. and W.
 45.00 Wash, 5 lks. wide, 1 ft. deep, course W.
 57.40 Wash, 10 lks. wide, 2 ft. deep, course W.
 59.40 Road, NW. and SE.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
 ground for cor. of secs. 23, 24, 25 and 26, brass cap
 marked



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

 East, on random line, bet. secs. 24 and 25.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect cor. of secs. 24, 25, 19 and 30, on E. bdy. of
 township, hereinbefore described.
 Thence
 West, on true line, bet. secs. 24 and 25.
 Over mountainous land, thru scattering undergrowth.
 Asc. 62 ft.
 5.60 Spur, slopes S.
 5.65 Ledge, 20 ft. high, brs. N. and S. Desc. 175 ft.
 21.40 Wash, 10 lks. wide, 2 ft. deep, course S.
 26.70 Drain, course SE. Asc. 200 ft.
 34.40 Top of malpais hill, brs. NW. and SE. Desc. 128 ft. to
 39.95 Set an iron post, 3 ft. long, 1 in. in diam., 2 ins. in
 ground to bed rock, deposit stone mkd. cross (X) at
 base of post and raise md. of stone. 4 ft. base, 2 $\frac{1}{2}$
 ft. high around post for $\frac{1}{4}$ sec. cor., brass cap
 marked



Desc. 75 ft.
 47.80 Drain, course south. Asc. 112 ft.
 55.90 Spur, slopes SW. Desc. 155 ft.
 74.90 Foot of hill.
 78.30 Road, brs. N. and S.
 79.90 The cor. of secs. 23, 24, 25 and 26.
 Land, mountainous.
 Soil, stony, 4th rate.
 Timber, none.
 Undergrowth, creosote brush, scrub palo verde and iron-
 wood, cholla and ocotillo.

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains N. 0° 1' W., on true line, bet. secs. 23 and 24.
Over level land, thru scattering undergrowth.

1.40 Ravine, 40 lks. wide, 6 ft. deep, course SW.
13.50 Road, bears N. 60° E., and S. 60° W.
18.00 Ravine, 50 lks. wide, 8 ft. deep, course W.
35.50 Wash, 10 lks. wide, 3 ft. deep, course W.
38.80 Wash, 10 lks. wide, 3 ft. deep, course W.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in ground to bed rock, raise a md. of stone $1\frac{1}{2}$ ft. base 1 ft. high, around post for $\frac{1}{4}$ sec. cor., brass cap marked

$\begin{array}{c} \uparrow \\ \text{S } 23 \quad | \quad \text{S } 24 \\ \hline 1927 \end{array}$

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

41.70 Wash, 10 lks. wide, 6 ft. deep, course SW.
51.50 Wash, 10 lks. wide, 6 ft. deep, course SW.
57.10 Wash, 10 lks. wide, 6 ft. deep, course SW.
60.00 Ravine, 50 lks. wide, 8 ft. deep, course SW.
65.00 Foot of hill, asc. 96 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 4 ft. base, 2 ft. high around post for cor. of secs. 13, 14, 23 and 24, brass cap marked

$\begin{array}{cc} \text{T } 4 \text{ N} & \text{R } 14 \text{ W} \\ \hline \text{S } 14 & | \quad \text{S } 13 \\ \hline \text{S } 23 & | \quad \text{S } 24 \\ \hline 1927 \end{array}$

Land, rolling and hilly.
Soil, stony, 4th rate.
Timber, none.
Undergrowth, creosote brush, scrub palo verde and iron-wood, cholla and ocotillo.
Giant cactus.

East, on random line, bet. secs. 13 and 24.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.00 Fall 13 lks. S. of cor. of secs. 13, 18, 19 and 24. on E. bdy. of township, hereinbefore described.
Thence
S. 89° 54' W., on true line, bet. secs. 13 and 24.
Over mountainous land, thru scattering undergrowth.
Asc. 43 ft.

4.20 Ridge, brs. NW. and SE. Desc. 210 ft.
14.70 Drain, course SW. Asc. 40 ft.
24.10 Spur, slopes S. Desc. 80 ft.
28.70 Wash, 15 lks. wide, 4 ft. deep, course S. Asc. 74 ft.
33.80 Spur, slopes SW. Desc. 52 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 4 ft. base, 2 ft. high, around post for $\frac{1}{4}$ sec. cor., brass cap marked

$\begin{array}{c} \frac{1}{4} \text{ S } 13 \\ \hline \text{S } 24 \\ \hline 1927 \end{array}$

50.00 Ravine, 15 lks. wide, 3 ft. deep, course SW.

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains

64.70 Wash, 10 lks. wide, 6 ft. deep, course S. Asc. 86 ft.
 73.60 Spur, slopes S. Desc. 77 ft. to
 80.00 The cor. of secs. 13, 14, 23 and 24.
 Land, mountainous.
 Soil, stony, 4th rate.
 Timber, none.
 Undergrowth, creosote brush, scrub palo verde, ironwood
 and catclaw, ocotillo and cholla cactus.
 Giant cactus.

 N. $0^{\circ} 1'$ W., on true line, bet. secs. 13 and 14.
 Over mountainous land, thru scattering undergrowth.
 Desc. 10 ft.

7.90 Wash, 10 lks. wide, 4 ft. deep, course W.
 10.50 Wash, 10 lks. wide, 4 ft. deep, course SW. Asc. 95 ft.
 15.50 Spur, slopes W. Desc. 30 ft.
 17.10 Drain, course west. Asc. 86 ft.
 28.50 Spur, slopes W. Desc. 102 ft.
 32.90 Drain, course NW. Asc. 14 ft.
 34.60 Spur, slopes W. Desc. 34 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in
 ground to bed rock, deposit a stone marked with cross
 (X) at base of post and raise a md. of stone, 3 ft.
 base, $1\frac{1}{2}$ ft. high, around post for $\frac{1}{4}$ sec. cor., brass
 cap marked

$\begin{array}{ccc} & \uparrow & \\ S\ 14 & & S\ 13 \\ & 1927 & \end{array}$

Desc. 35 ft.
 41.30 Drain, course NW.
 49.50 Foot of hill, enter level land.
 50.00 Wash, 40 lks. wide, 2 ft. deep, course SW.
 63.20 Wash, 30 lks. wide, $1\frac{1}{2}$ ft. deep, course S. 60° W.
 71.80 Road, 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. 11, 12, 13 and 14, brass
 cap marked

$\begin{array}{ccc} T\ 4\ N & & R\ 15\ W \\ S\ 11 & | & S\ 12 \\ S\ 14 & | & S\ 13 \\ & 1927 & \end{array}$

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 and gravelly, 3rd and 4th rate.
 Timber, none.
 Undergrowth, creosote brush, scrub palo verde and iron-
 wood, cholla and ocotillo.

 East, on random line, bet. secs. 12 and 13.
 40.00 Set temp $\frac{1}{4}$ sec. cor.
 79.84 Fall 28 lks. S. of cor. of secs. 7, 12, 13 and 18, on E.
 bdy. of township, hereinbefore described.
 Thence
 S. $89^{\circ} 48'$ W., on true line bet. secs. 12 and 13.

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

- Chains Over level land, thru scattering undergrowth.
- 3.24 Wash, 10 lks. wide, 6 ft. deep, course SW.
- 19.34 Wash, 30 lks. wide, 6 ft. deep, course SW.
- 35.04 E. bank of ravine, 8 ft. deep, course SW.
- 37.44 W. bank of ravine, 8 ft. deep, course SW.
- 39.92 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked
- $$\begin{array}{c} \frac{1}{4} \text{ S } 12 \\ \text{S } 13 \\ 1927 \end{array}$$
- Raise md. of stone, 3 ft. base, 2 ft. high, N. of cor.
- 40.84 Wash, 10 lks. wide, 3 ft. deep, course SW.
- 44.64 Wash, 30 lks. wide, 1 ft. deep, course SW.
- 62.74 Wash, 20 lks. wide, 2 ft. deep, course SW.
- 63.24 Wash, 5 lks. wide, 2 ft. deep, course SW.
- 66.04 Road, bears NW. and SE.
- 71.24 Road, brs. NE. and SW.
- 79.84 The cor. of secs. 11, 12, 13 and 14.
- Land, level.
- Soil, stony and gravelly, 2nd rate.
- Timber, none.
- Undergrowth, creosote brush, scrub palo verde and iron-wood, cholla and ocotillo.
-
- N. 0° 1' W., on true line, bet. secs. 11 and 12.
- 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
- $$\begin{array}{c} \frac{1}{4} \\ \text{S } 11 \quad | \quad \text{S } 12 \\ 1927 \end{array}$$
- Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor.
- 49.40 Wash, 20 lks. wide, 1 ft. deep, course SW.
- 73.80 Wash, 30 lks. wide, 1 ft. deep, course SW.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in ground for cor. of secs. 1, 2, 11 and 12, brass cap marked
- $$\begin{array}{c} \text{T } 4 \text{ N} \quad \text{R } 14 \text{ W} \\ \text{S } 2 \quad | \quad \text{S } 1 \\ \text{S } 11 \quad | \quad \text{S } 12 \\ 1927 \end{array}$$
- Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor.
- Land, level.
- Soil, sandy loam, 1st rate.
- Timber, none.
- Undergrowth, creosote brush, scrub palo verde and iron-wood, and cactus.
-
- East, on random line, bet. secs. 1 and 12.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.88 Fall 28 lks. S. of cor. of secs. 1, 6, 7 and 12, on the E. bdy. of township, hereinbefore described.
- Thence
- S. 89° 48' W., on true line, bet. secs. 1 and 12.
- Over mountainous land, thru scattering undergrowth.
- Asc. 18 ft.
- 1.78 Rocky spur, slopes SW. Desc. 100 ft.

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains

- 11.38 Foot of hill, thence over nearly level land.
 16.38 E. bank of ravine, 10 ft. deep, course SW.
 23.78 W. bank of ravine, 10 ft. deep, course SW.
 39.94 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked

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

1927

- 46.84 Raise md. of stone, 3 ft. base, 2 ft. high, N. of cor.
 Wash, 30 lks. wide; 1 ft. deep, course SW.
 56.84 Wash, 10 lks. wide, 3 ft. deep, course SW. Asc. 34 ft.
 61.34 Granite spur slopes SW. Desc. 63 ft.
 70.94 Wash, 10 lks. wide, 2 ft. deep, course SW.
 79.88 The cor. of secs. 1; 2, 11 and 12.
 Land, mountainous and level.
 Soil, stony, 4th rate.
 Timber, none.
 Undergrowth, creosote brush, scrub palo verde and iron-wood, and cactus.

- N. 0° 1' W., on true line, bet. secs. 1 and 2.
 Over rolling land, thru scattering brush.
 0.60 Wash, 30 lks. wide, 2 ft. deep, course SW.
 15.90 Wash, 40 lks. wide, 7 ft. deep, course SW.
 16.00 Asc. 115 ft.
 26.00 Spur, slopes SW. Desc. 52 ft.
 35.20 Drain, course SW. Asc. 153 ft. over broken SW. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 2 ins. in ground to bed rock, deposit stone mkd. cross (X) at base of post, and raise a md. of stone, 4 ft. base, 2 ft. high around post for $\frac{1}{4}$ sec. cor., brass cap marked

$$S 2 \uparrow S 1$$

1927

- Ascend 89 ft. over broken SW. slope.
 51.30 Spur, slopes NW. Desc. 26 ft.
 57.50 Wash, 10 lks. wide, 3 ft. deep, course NW. Asc. 58 ft.
 62.50 Spur, slopes NW. Desc. 190 ft.
 71.50 Wash, 40 lks. wide, course NW. Asc. 35 ft.
 77.62 Intersect the N. bdy. of Tp. (First Std. Par. N.) S. 89° 58' W., 3.42 chs. from std. cor. of T. 5 N., Rs. 13 and 14 W., which is a cross (X) on outcropping rock, S C north of cross and 6 grooves E., W., and N. of cross, witnessed by md. of stone N. of cor.
 Set an iron post, 3 ft. long; 2 ins. in diam., 24 ins. in ground for closing cor., of secs. 1 and 2, brass cap marked

$$\begin{array}{c} T 5 N \quad R 14 W \\ S 36 \\ S 2 \quad | \quad S 1 \\ T 4 N \quad R 14 W \\ C C \\ 1927 \end{array}$$

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

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

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

From cor. of secs. 2, 3, 34 and 35, on S. bdy. of T. 4
N., R. 14 W., described in Book "F".
N. 0° 1' W., on true line, bet. secs. 34 and 35.
Over rolling land, thru scattering undergrowth.
Asc. 147 ft.

11.00 Top of malpais ridge, brs. E. and W. Desc. 120 ft.
17.10 Drain, course NW. Asc. 40 ft.
22.80 Malpais spur, slopes NW. Desc. 71 ft.
26.80 Foot of hill. Enter level land.
28.30 Wash, 8 lks. wide, 2 ft. deep, course W.
36.60 Road, brs. E. and W.
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 34 | S 35
 1927

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

44.40 Wash, 5 lks. wide, 3 ft. deep, course W.
52.80 Road, brs. E. and W.
75.20 Wash, 15 lks. wide, 2 ft. deep, course W.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins.
in ground for cor. of secs. 26, 27, 34 and 35, brass
cap marked

T 4 N R 14 W
 S 27 | S 26
 S 34 | S 35
 1927

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

Land, hilly and level.
Soil, sandy loam and stony, 1st and 4th rate.
Timber, none.
Undergrowth, creosote brush, scrub palo verde and iron-
wood, cholla and ocotillo.

East, on random line, bet. secs. 26 and 35.

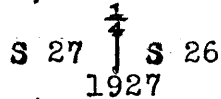
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.00 Fall 3 lks. N. of cor. of secs. 25, 26, 35 and 36.
Thence
N. 89° 59' W., on true line, bet. secs. 26 and 35.
Over rolling land, thru scattering undergrowth.
23.20 Wash, 5 lks. wide, 2 ft. deep, course SW.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 24 ins. in
ground for $\frac{1}{4}$ sec. cor., brass cap marked

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

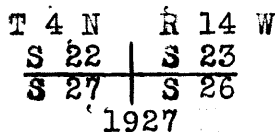
Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains From which
 Palo verde, 4 ins. in diam., brs. S. 85° E., 25 lks.,
 dist., marked $\frac{1}{4}$ S 35 B T.
 Palo verde, 6 ins. in diam., brs. N. 69° W., 130 lks.,
 dist., marked $\frac{1}{4}$ S 26 B T.
 59.00 Wash, 20 lks. wide, 2 ft. deep, course SW.
 71.30 Wash, 15 lks. wide, 1 ft. deep, course SW.
 80.00 The cor. of secs. 26, 27, 34 and 35.
 Land, level and gently rolling.
 Soil, sandy and gravelly, 2nd rate.
 Timber, none.
 Undergrowth, creosote brush, scrub palo verde, ironwood,
 and catclaw, oholla and ocotillo.

N. 0° 1' W., on true line, bet. secs. 26 and 27.
 Over level land, thru scattering undergrowth.
 4.10 Wash, 50 lks. wide, 3 ft. deep, course SW.
 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



Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,
 3 ft. dist.
 59.70 Road, brs. N. 60° E., and S. 60° W.
 68.40 Road, brs. NW. and SE.
 78.50 Foot of malpais hill. Asc. 40 ft. to
 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 4 ft. base,
 2 ft. high, around post, for cor. of secs. 22, 23,
 26 and 27, brass cap marked



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

East, on random line, bet. secs. 23 and 26.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.16 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 gently rolling land, thru scattering undergrowth.
 1.66 Ravine, 40 lks. wide, 6 ft. deep, course SW.
 13.66 Wash, 10 lks. wide, 2 ft. deep, course SW.
 14.76 Road, brs. NE. and SW.
 22.46 Road, brs. N. and S.
 27.26 Wash, 50 lks. wide, 3 ft. deep, course SW.
 38.26 Wash, 5 lks. wide, 1 ft. deep, course SW.
 40.08 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 14 West.

Chains

$$\frac{1}{4} \begin{array}{c} S 23 \\ S 26 \\ 1927 \end{array}$$

52.96 Raise a md. of stone, 3 ft. base, 2 ft. high, N. of cor.
Foot of hill, asc. 140 ft.
58.66 Malpais spur, slopes S. Desc. 150 ft.
68.96 Asc. 34 ft. to
80.16 The cor. of secs. 22, 23, 26 and 27.
Land, hilly and level.
Soil, gravelly and stony, 2nd, 3rd and 4th rate.
Timber, none.
Undergrowth, creosote brush, scrub palo verde and iron-
wood, ocotillo and cholla.
Giant cactus.

N. $0^{\circ} 1'$ W., on true line, bet. secs. 22 and 23.
Over hilly land, thru scattering undergrowth.
Asc. 63 ft.

3.30 Malpais spur, slopes W. Desc. 96 ft.
8.20 Foot of hill. Enter level land.
20.60 Wash, 20 lks. wide, 2 ft. deep, course SW.
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

$$\begin{array}{c} \frac{1}{4} \\ S 22 \mid S 23 \\ 1927 \end{array}$$

45.00 Raise md. of stone, 3 ft. base, 2 ft. high, W. of cor.
Asc. 60 ft.
48.00 Malpais hill. Desc. 55 ft.
51.85 Wash, 40 lks. wide, 2 ft. deep, course SW.
65.00 Asc. 115 ft., over SE. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 3 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. 14, 15, 22 and
23, brass cap marked

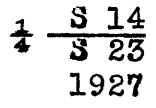
$$\begin{array}{c} T 4 N \quad R 14 W \\ S 15 \mid S 14 \\ S 22 \mid S 23 \\ 1927 \end{array}$$

Land, hilly.
Soil, gravelly and stony, 2nd and 4th rate.
Timber, none.
Undergrowth, creosote brush, scrub palo verde, ironwood
and catclaw and cactus.

40.00 East, on random line, bet. secs. 14 and 23.
Set temp. $\frac{1}{4}$ sec. cor.
80.16 Fall 5 lks. S. of cor. of secs. 13, 14, 23 and 24.
Thence
S. $89^{\circ} 58'$ W., on true line, bet. secs. 14 and 23.
Over rolling land, thru scattering undergrowth.
4.66 Wash, 5 lks. wide, 5 ft. deep, course S.
15.16 Foot of hill, ascend 105 ft.
20.16 Hill, desc. 50 ft.

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains
 22.66 Wash, 10 lks. wide, 4 ft. deep, course S.
 24.96 Road, bears N. and S.
 32.06 Wash, 20 lks. wide, 5 ft. deep, course SE.
 35.16 Road, brs. N. and S.
 38.46 Road, brs. NW. and SE.
 40.08 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked, brass cap marked

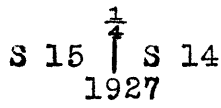


Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.

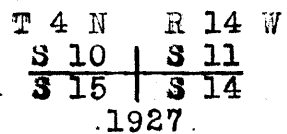
49.16 Road, brs. N. 60° W., and S. 60° E.
 58.66 Wash, 5 lks. wide, 1 ft. deep, course SW.
 66.76 Wash, 30 lks. wide, 2 ft. deep, course south. Asc. 92 ft. to
 80.16 The cor. of secs. 14, 15, 22 and 23.
 Land, level and rolling.
 Soil, gravelly and stony, 3rd and 4th rate.
 Timber, none.
 Undergrowth, creosote brush, scrub palo verde, ironwood and cactus.

N. 0° 1' W., on true line, bet. secs. 14 and 15.
 Over mountainous land, thru scattering undergrowth.
 Asc. 137 ft. over SE. slope.

6.10 Change to E. slope.
 17.20 Desc. 60 ft.
 22.20 Drain, course E. Asc. 45 ft.
 25.60 Small spur, slopes E. Desc. 148 ft. Over NE. slope to
 40.00 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, 3 ft. base, 1½ ft. high around post for $\frac{1}{4}$ sec. cor., brass cap marked



Desc. 70 ft. over NE. slope.
 49.00 Foot of mountain. Enter level land.
 49.40 Wash, 5 lks. wide, course W.
 53.70 Wash, 30 lks. wide, 1 ft. deep, course W.
 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



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 and sandy loam, 4th and 1st rate.
 Timber, none.
 Undergrowth, creosote brush, scrub palo verde and ironwood, and cactus.

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

- Chains East, on random line, bet. secs. 11 and 14.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Fall 9 lks. N. of cor. of secs. 11, 12, 13 and 14,
 Thence
 N. $89^{\circ} 56'$ W., on true line, bet. secs. 11 and 14.
 Over level land, thru scattering undergrowth.
 40.05 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 ground for $\frac{1}{4}$ sec. cor., brass cap marked

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

- Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,
 3 ft. dist.
 80.10 The cor. of secs. 10, 11, 14 and 15.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, creosote brush and cactus.

- N. $0^{\circ} 1'$ W., on true line, bet. secs. 10 and 11.
 Over level land, thru scattering undergrowth.
 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

$$S 10 \begin{array}{c} \frac{1}{4} \\ | \\ S 11 \\ 1927 \end{array}$$

- Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,
 3 ft. dist.
 45.00 Wash, 30 lks. wide, 2 ft. deep, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.
 in-ground for cor. of secs. 2, 3, 10 and 11, brass
 cap marked

$$\begin{array}{c} T 4 N \quad R 14 W \\ S 3 \quad | \quad S 2 \\ \hline S 10 \quad | \quad S 11 \\ 1927 \end{array}$$

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

- East, on random line, bet. secs. 2 and 11.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect the cor. of secs. 1, 2, 11 and 12.
 Thence
 West, on true line, bet. secs. 2 and 11.
 Over level land, thru scattering undergrowth.
 0.46 Wash, 30 lks. wide, 2 ft. deep, course SW.
 7.06 Wash, 10 lks. wide, 3 ft. deep, course SW.
 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

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains

$\frac{1}{4}$ $\frac{S 2}{S 11}$
1927

80.06 Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,
3 ft. dist.
The cor. of secs. 2, 3, 10 and 11.
Land, level.
Soil, sandy and gravelly, 1st and 2nd rate.
Timber, none.
Undergrowth, creosote brush, scrub palo verde and iron-
wood and cactus.

39.20 N. 0° 1' W., on true line, bet. secs. 2 and 3.
Over level land, thru scattering undergrowth,
Wash, 20 lks. wide, 1 ft. deep, course SW.
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

S 3 \uparrow S 2
1927

48.60 Raise a md. of stone, 3 ft. base, 2 ft. high, W. of cor.
Wash, 20 lks. wide, 2 ft. deep, course SW.
57.90 Wash, 10 lks. wide, 2 ft. deep, course SW.
77.38 Intersect the north boundary of the township (First
Standard Parallel North), S. 89° 58' W., 7.49 chs.
from std. cor. of secs. 35 and 36, T. 5 N., R. 14 W.,
which is granite stone 6 x 6, 5 ins. above ground,
firmly set, mkd. S C on N. face, with 1 groove on
E. face and 5 grooves on W. face, witnessed by md. of
stone, N. of cor.
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
ground for closing cor. of secs. 2 and 3, brass cap
marked

T 5 N R 14 W
S 35
 $\frac{S 3}{T 4 N}$ | $\frac{S 2}{R 14 W}$
C C
1927

Dig pits 18 x 18 x 12 ins., on line, one each E., W. and
S. of cor., 3 ft. dist.
Land, level.
Soil, gravelly, 2nd rate.
Timber, none.
Undergrowth, creosote brush, scrub palo verde and iron-
wood and cactus.

9.60 From the cor. of secs. 3, 4, 33 and 34, on the south bdy.
of the township, described in Book "F".
N. 0° 2' W., on true line, bet. secs. 33 and 34.
Over level land, thru scattering undergrowth.
Wash, 5 lks. wide, 1 ft. deep, course SW
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

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains

$$\begin{array}{c} \frac{1}{4} \\ \uparrow \\ \text{S } 33 \quad | \quad \text{S } 34 \\ 1927 \end{array}$$

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., 24 ins. in
ground for cor. of secs. 27, 28, 33 and 34, brass
cap marked

$$\begin{array}{cc} \text{T } 4 \text{ N} & \text{R } 14 \text{ W} \\ \text{S } 28 & | & \text{S } 27 \\ \text{S } 33 & | & \text{S } 34 \\ 1927 \end{array}$$

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

Land, level.

Soil, sandy loam, 1st rate.

Timber, none.

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

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

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

79.92 Fall 5 lks. S. of cor. of secs. 26, 27, 34 and 35.

Thence

S. 89° 58' W., on true line, bet. secs. 27 and 34.

Over level land, thru scattering undergrowth.

4.72 Wash, 40 lks. wide, 3 ft. deep, course SW.

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

$$\begin{array}{c} \frac{1}{4} \text{ S } 27 \\ \frac{1}{4} \text{ S } 34 \\ 1927 \end{array}$$

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

79.92 The cor. of secs. 27, 28, 33 and 34.

Land, level.

Soil, sandy loam and gravelly, 1st and 2nd rate.

Timber, none.

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

N. 0° 2' W., on true line, bet. secs. 27 and 28.

Over level land, thru scattering undergrowth.

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

$$\begin{array}{c} \frac{1}{4} \\ \uparrow \\ \text{S } 28 \quad | \quad \text{S } 27 \\ 1927 \end{array}$$

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

40.75 Wash, 10 lks. wide, 2 ft. deep, course SW.

43.10 Road, brs. E. and W.

59.00 Wash, 10 lks. wide, 4 ft. deep, course SW.

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in ground for cor. of secs. 21, 22, 27 and 28, brass cap marked

T 4 N	R 14 W
S 21	S 22
S 28	S 27
1927	

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

Soil, sandy and gravelly, 1st and 2nd rate.

Timber, none.

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

East, on random line, bet. secs. 22 and 27.

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

79.94 Fall 5 lks. S. of cor. of secs. 22, 23, 26 and 27.

Thence

S. $89^{\circ} 58'$ W., on true line, bet. secs. 22 and 27.

Over rolling land, thru scattering undergrowth.

Desc. 40 ft.

4.54 Foot of malpais hill.

5.74 Wash, 10 lks. wide, course SW.

11.14 Road, brs. N. and S.

27.54 Wash, 10 lks. wide, 3 ft. deep, course SW.

32.44 Wash, 10 lks. wide, 3 ft. deep, course SW.

39.97 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 22
	S 27
1927	

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

Wash, 10 lks. wide, 3 ft. deep, course SW.

68.94 Road, brs. NW. and SE.

79.94 The cor. of secs. 21, 22, 27 and 28.

Land, level and rolling.

Soil, sandy and gravelly, 2nd rate.

Timber, none.

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

N. $0^{\circ} 2'$ W., on true line, bet. secs. 21 and 22.

Over rolling land.

5.10 Wash, 10 lks. wide, course SW.

40.00 True point for $\frac{1}{4}$ sec. cor. falls in wash, 5 lks. wide, course SW.

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

S 21	$\frac{1}{4}$	S 22
	W C	
1927		

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains 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. 15, 16, 21 and 22, brass cap
marked

T 4 N	R 14 W
S 16	S 15
S 21	S 22
1927	

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

Land, rolling.

Soil, sandy loam, 1st rate.

Timber, none.

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

40.00 East, on random line, bet. secs. 15 and 22.
Set temp. $\frac{1}{4}$ sec. cor.

79.70 Intersect cor. of secs. 14, 15, 22 and 23.
Thence

West, on true line, bet. secs. 15 and 22.

Over mountainous land, thru scattering undergrowth.

Asc. 407 ft.

15.30 Spur, slopes S. Desc. 310 ft.

28.20 Drain, course south. Asc. 200 ft.

35.50 Spur, slopes S. Desc. 150 ft. to

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

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

Desc. 263 ft..

50.70 Foot of malpais mt., thence over rolling land.

72.70 Wash, 10 lks. wide, 2 ft. deep, course S.

79.70 The cor. of secs. 15, 16, 21 and 22.

Land, mountainous and rolling.

Soil, stony, 4th rate.

Timber, none.

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

Giant cactus.

40.00 N. 0° 2' W., on true line, bet. secs. 15 and 16.
Over 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

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

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,
 3 ft. dist. Asc. 148 ft. over SW. slope.
 54.20 Spur, slopes SW. Desc. 191 ft. over NW. slope.
 70.00 Wash, 20 lks. wide, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in
 ground for cor. of secs. 9, 10, 15 and 16, brass cap
 marked

T 4 N R 14 W
 S 9 S 10.
 S 16 S 15
 1927

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

East, on random line, bet. secs. 10 and 15.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.74 Fall 16 lks. N. of cor. of secs. 10, 11, 14 and 15.
 Thence
 N. 89° 53' W., on true line, bet. secs. 10 and 15.
 Over level land, thru scattering undergrowth.
 36.24 Wash, 30 lks. wide, 1 ft. deep, course SW.
 39.87 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 15
 S 22
 1927

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,
 3 ft. dist.
 59.74 Wash, 20 lks. wide, course SW.
 79.74 The cor. of secs. 9, 10, 15 and 16.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, creosote brush, scrub palo verde and iron-
 wood; and cactus.

N. 0° 2' W., on true line, bet. secs. 9 and 10.
 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

$\frac{1}{4}$
 S 9 S 10
 1927

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,
 3 ft. dist.
 59.10 Wash, 10 lks. wide, course SW.
 75.50 Wash, 15 lks. wide, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in
 ground for cor. of secs. 3, 4, 9 and 10, brass cap
 marked

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains

T 4 N. R 14 W

S 4	S 3
S 9	S 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, sandy and gravelly, 3rd rate.

Timber, none.

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

East, on random line, bet. secs. 3 and 10.

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

79.78 Fall 9 lks. N. of cor. of secs. 2, 3, 10 and 11.

Thence

N. 89° 56' W., on true line, bet. secs. 3 and 10.

Over level land, thru scattering undergrowth.

19.98 Dim road, brs. N. and S.

29.48 Wash, 10 lks. wide, 2 ft. deep, course S.

39.89 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 3
	S 10

1927

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

44.08 Wash, 20 lks. wide, 2 ft. deep, course S.

58.68 Wash, 10 lks. wide, 2 ft. deep, course SW.

68.88 Wash, 10 lks. wide, 2 ft. deep, course SW.

74.78 Dim road, brs. NE. and SW.

79.78 The cor. of secs. 3, 4, 9 and 10.

Land, level.

Soil, gravelly, 2nd rate.

Timber, none.

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

N. 0° 2' W., on true line, bet. secs. 3 and 4.

Over rolling land, thru scattering undergrowth.

6.10 Wash, 20 lks. wide, course SW.

24.80 Wash, 15 lks. wide, course SW.

34.40 Wash, 15 lks. wide, course 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

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

1927

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

41.90 Wash, 10 lks. wide, course SW.

60.80 Wash, 20 lks. wide, course west.

71.30 Road, brs. E. and W.

77.50 Intersect the north boundary of the township (First Standard Parallel North) 7.64 chs. west of the true point for standard cor. of secs. 34 and 35, T. 5 N.,

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains R. 14 W., which is witnessed at 0.35 chs. W. by a granite stone 8 x 10, 8 ins. above ground, firmly set and marked S C W C on N. face, 2 grooves on E. face, and 4 grooves on W. face with md. of stone N. of stone. At point of intersection 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.

T 5 N R 14 W
 S 34
 S 4 | S 3
 T 4 N R 14 W
 C C
 1927

Dig pits 18 x 18 x 12 ins., one each on line E., W. and S. of cor., 3 ft. dist.
 Land, rolling.
 Soil, sandy and gravelly, 3rd rate.
 Timber, none.
 Undergrowth, creosote and sage brush, scrub palo verde and ironwood, and cactus.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the township, described in Book "F".

N. 0° 2' W., on true line, bet. secs. 32 and 33.
 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

1/4
 S 32 | S 33
 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., 24 ins. in ground for cor. of secs. 28, 29, 32 and 33, brass cap marked

T 4 N R 14 W
 S 29 | S 28
 S 32 | S 33
 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 brush.

East, on random line, bet. secs. 28 and 33.

40.00 Set temp. 1/4 sec. cor.

80.02 Fall 5 lks. S. of cor. of secs. 27, 28, 33 and 34. Thence

S. 89° 58' W., on true line, bet. secs. 28 and 33.

Over level land, thru scattering undergrowth.

40.01 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in ground for 1/4 sec. cor., brass cap marked

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains

$$\frac{1}{4} \frac{S 28}{S 33}$$
 1927

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

80.02 The cor. of secs. 28, 29, 32 and 33.

Land, level.

Soil, sandy loam, 1st rate.

Timber, none.

Undergrowth, creosote brush and cactus.

N. 0° 2' W., on true line, bet. secs. 28 and 29.

Over level land, thru scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam.; 27 ins. in
the ground for $\frac{1}{4}$ sec. cor., brass cap marked
$$S 29 \uparrow S 28$$
 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. 20, 21, 28 and 29, brass cap
marked

T 4 N	R 14 W
S 20	S 21
S 29	S 28

 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 brush and cactus.

40.00 N. 89° 58' E., on random line, bet. secs. 21 and 28.

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

79.90 Intersect cor. of secs. 21, 22, 27 and 28.

Thence

S. 89° 58' W., on true line, bet. secs. 21 and 28.

Over level land, thru scattering undergrowth.

10.90 Wash, 8 lks. wide, course SW.

39.95 Set an iron post, 3 ft. long, 1 in. in diam.; 27 ins. in
ground for $\frac{1}{4}$ sec. cor., brass cap marked
$$\frac{1}{4} \frac{S 21}{S 28}$$
 1927

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

79.90 The cor. of secs. 20, 21, 28 and 29.

Land, level.

Soil, sandy loam, 1st rate.

Timber, none.

Undergrowth, creosote brush and cactus.

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

- Chains N. $0^{\circ} 2'$ W., on true line, bet. secs. 20 and 21.
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
- $$\begin{array}{c} \frac{1}{4} \\ \text{S } 20 \quad | \quad \text{S } 21 \\ 1927 \end{array}$$
- 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. 16, 17, 20 and 21, brass cap marked
- $$\begin{array}{cc} \text{T } 4 \text{ N} & \text{R } 14 \text{ W} \\ \text{S } 17 & | \quad \text{S } 16 \\ \text{S } 20 & | \quad \text{S } 21 \\ 1927 \end{array}$$
- 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, 1st rate.
Timber, none.
Undergrowth, creosote and sage brush, scrub mesquite and ocotillo.
-
- East, on random line, bet. secs. 16 and 21.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.88 Fall 7 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 level land, thru scattering undergrowth.
- 39.94 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked
- $$\frac{1}{4} \frac{\text{S } 16}{\text{S } 21}$$

1927
- Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
- 41.88 Wash, 20 lks. wide, course SW.
- 79.88 The cor. of secs. 16, 17, 20 and 21.
Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote and sage brush and cactus.
-
- N. $0^{\circ} 2'$ W., on true line, bet. secs. 16 and 17.
Over mountainous land, thru scattering undergrowth.
Asc. 236 ft.
- 38.80 Spur, slopes SE.
- 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

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 17 \text{ } | \text{ } \text{S } 16 \\ 1927 \end{array}$$

Desc. 145 ft. over NE. slope.

51.40 Wash, 8 lks. wide, course SE. Asc. 464 ft. over SW. slope.

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 a md. of stone around post for cor. of secs. 8, 9, 16 and 17, brass cap marked

$$\begin{array}{c} \text{T } 4 \text{ N } \quad \text{R } 14 \text{ W} \\ \text{S } 8 \quad | \quad \text{S } 9 \\ \text{S } 17 \quad | \quad \text{S } 16 \\ 1927 \end{array}$$

Land, mountainous.

Soil, stony, 4th rate.

Timber, none.

Undergrowth, creosote and sage brush, ocotillo and cholla.

Giant cactus.

East, on random line, bet. secs. 9 and 16.

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

79.92 Fall 9 lks. S. of cor. of secs. 9, 10, 15 and 16.

Thence

S. $89^{\circ} 56'$ W., on true line, bet. secs. 9 and 16.

Over rolling land, thru scattering undergrowth.

27.22 Wash, 15 lks. wide, course SE.

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 around post for $\frac{1}{4}$ sec. cor., brass cap marked
$$\frac{1}{4} \frac{\text{S } 9}{\text{S } 16} \\ 1927$$

Ascend 505 ft.

69.62 Ridge, bears NW. and SE. Desc. 152 ft. to

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

Land, rolling and mountainous.

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

Timber, none.

Undergrowth, creosote brush, ocotillo and cholla.

N. $0^{\circ} 2'$ W., on true line, bet. secs. 8 and 9.

Over mountainous land, thru scattering undergrowth.

Asc. 266 ft.

15.50 Ridge, brs. NW. and SE. Desc. 509 ft. over NE. slope to $\frac{1}{4}$ sec. cor.

26.80 Cliff, 75 ft. high, faces N.

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 $\frac{1}{4}$ sec. cor., brass cap marked
$$\begin{array}{c} \frac{1}{4} \\ \text{S } 8 \text{ } | \text{ } \text{S } 9 \\ 1927 \end{array}$$

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains Desc. 177 ft.
 59.80 Wash, 30 lks. wide, course west. Thence over gently rolling land.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground for cor. of secs. 4, 5, 8 and 9, brass cap marked

T 4 N	R 14 W
S 5	S 4
S 8	S 9

1927

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

Land, mountainous and rolling.

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

Timber, none.

Undergrowth, Creosote brush, cactus, scrub palo verde and ironwood.

Giant cactus.

East, on random line, bet. secs. 4 and 9.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.88 Fall 7 lks. N. of cor. of secs. 3, 4, 9 and 10.
 Thence
 N. 89° 57' W., on true line, bet. secs. 4 and 9.
 Over gently rolling land, thru scattering undergrowth.
 19.38 Wash, 20 lks. wide, course SW.
 33.08 Wash, 20 lks. wide, course SW.
 39.94 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 4
	S 9

1927

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
 49.58 Wash, 10 lks. wide, course SW.
 79.88 The cor. of secs. 4, 5, 8 and 9.
 Land, gently rolling.
 Soil, sandy and gravelly, 2nd and 3rd rate.
 Timber, none.
 Undergrowth, creosote brush, cactus, scrub palo verde, ironwood and catclaw.

N. 0° 2' W., on true line, bet. secs. 4 and 5.
 Over gently 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

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

.1927

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.
 71.80 Wash, 15 lks. wide, course SW.
 77.23 Intersect the north boundary of the township (First Standard Parallel North) 7.16 chs. west of the standard cor. of secs. 33 and 34, T. 5 N., R. 14 W., which

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains	<p>is a granite stone 6 x 8, 6 ins. above the ground, firmly set, marked S C on N. face, 3 grooves on each of east and west faces, witnessed by md. of stone N. of cor.</p> <p>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</p> <p style="text-align: center;"> T 5 N R 14 W S 33 S 5 S 4 T 4 N R 14 W C C 1927 </p> <p>Dig pits 18 x 18 x 12 ins., on line, one each E., W. and S. of cor., 3 ft. dist.</p> <p>Land, rolling.</p> <p>Soil, sandy and gravelly, 2nd rate.</p> <p>Timber, none.</p> <p>Undergrowth, creosote and sage brush, cactus and scrub palo verde.</p>
40.00	<p>From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of township, described in Book "F".</p> <p>N. 0° 3' W., on a true line, bet. secs. 31 and 32.</p> <p>Over level land, thru scattering undergrowth.</p> <p>Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked</p> <p style="text-align: center;"> S 31 S 32 1927 </p> <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. 29, 30, 31 and 32, brass cap marked</p> <p style="text-align: center;"> T 4 N R 14 W S 30 S 29 S 31 S 32 1927 </p> <p>Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.</p> <p>Land, level.</p> <p>Soil, sandy loam, 1st rate.</p> <p>Timber, none.</p> <p>Undergrowth, creosote and sage brush and cactus.</p>
40.00	<p>East, on random line, bet. secs. 29 and 32.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p>
79.96	<p>Fall 12 lks. N. of cor. of secs. 28, 29, 32 and 33.</p> <p>Thence</p> <p>N. 89° 55' W., on true line, bet. secs. 29 and 32.</p> <p>Over level land, thru scattering undergrowth.</p>
39.98	<p>Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked</p>

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains

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

79.96 Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,
3 ft. dist.
The cor. of secs. 29, 30, 31 and 32.
Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote brush and scrub mesquite.

40.00 N. 89° 59' W., on true line, bet. secs. 30 and 31, to-
ward flag on objective corner, which is visible.
Over level 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

$\frac{1}{4} \frac{S 30}{S 31}$
1927

78.60 Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,
3 ft. dist.
Intersect the west boundary of the township at the cor.
of secs. 25, 30, 31 and 36, described in Book "G".
Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote brush and scrub mesquite.

40.00 From Cor. of secs. 29, 30, 31, and 32,
N. 0° 3' W. on true line, bet. secs. 29 and 30.
Over level 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

$\frac{1}{4} \frac{S 30}{S 29}$
1927

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. 19, 20, 29 and 30, brass cap
marked

T 4 N R 14 W
 $\frac{S 19}{S 30} \frac{S 20}{S 29}$
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 14 West.

Chains East, on random line, bet. secs. 20 and 29.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Fall 12 lks. N. of cor. of secs. 20, 21, 28 and 29.
 Thence
 N. $89^{\circ} 55'$ W., on true line, bet. secs. 20 and 29.
 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

$$\frac{1}{4} \begin{array}{l} \text{S } 20 \\ \text{S } 29 \end{array}$$

1927

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,
 3 ft. dist.
 80.00 The cor. of secs. 19, 20, 29 and 30.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, creosote brush and cactus.

N. $89^{\circ} 58'$ W., on true line, bet. secs. 19 and 30, toward
 flag at objective corner which is visible.
 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

$$\frac{1}{4} \begin{array}{l} \text{S } 19 \\ \text{S } 30 \end{array}$$

1927

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,
 3 ft. dist.
 78.56 The corner of secs. 19, 24, 25 and 30, on the west bdy.
 of township, described in Book "G".
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, creosote brush, cactus and scrub mesquite.

From cor. of secs. 19, 20, 29, and 30,
 N. $9^{\circ} 3'$ W., on true line, bet. secs. 19 and 20.
 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

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 19 \quad | \quad \text{S } 20 \\ 1927 \end{array}$$

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. 17, 18, 19 and 20, brass
 cap marked

$$\begin{array}{cc} \text{T } 4 \text{ N} & \text{R } 14 \text{ W} \\ \text{S } 18 & | & \text{S } 17 \\ \text{S } 19 & | & \text{S } 20 \\ 1927 & & \end{array}$$

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains 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.

40.00 S. 89° 51' E., on random line, bet. secs. 17 and 20.
Set temp. $\frac{1}{4}$ sec. cor.

80.08 Intersect the cor. of secs. 16, 17, 20 and 21.
Thence

40.04 N. 89° 51' W., on true line, bet. secs. 17 and 20.
Over level 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

$\frac{1}{4}$ $\frac{S 17}{S 20}$
1927

80.08 Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
The cor. of secs. 17, 18, 19 and 20.

Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote brush.

40.00 N. 89° 59' W., on true line, between secs. 18 and 19 toward flag on objective corner which is visible.
Over level 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

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

78.47 Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
The cor. of secs. 13, 18, 19 and 24, on the west bdy. of township described in Book "G".

Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote brush and scrub mesquite.

40.00 From cor. of secs. 17, 18, 19, and 20,
N. 0° 3' W., on true line, bet. secs. 17 and 18.
Over level 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

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

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist. Asc. 56 ft.
 74.20 Spur, slopes W. Desc. 38 ft.
 75.90 Wash, 15 lks. wide, course west.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground for cor. of secs. 7, 8, 17 and 18, brass cap marked

T 4 N	R 14 W
S 7	S 8
S 18	S 17
1927	

Raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.
 Land, rolling and level.
 Soil, sandy and gravelly, stony, 3rd rate.
 Timber, none.
 Undergrowth, creosote and sage brush, cactus, scrub palo verde and ironwood.

East, on random line, bet. secs. 8 and 17.
 40.00 Set temp. ¼ sec. cor.
 80.10 Fall 14 lks. N. of cor. of secs. 8, 9, 16 and 17, Thence
 N. 89° 54' W., on true line, bet. secs. 8 and 17.
 Over mountainous land, thru scattering undergrowth.
 Desc. 275 ft.
 25.30 Drain, course SE. Asc. 154 ft. to
 40.05 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 ¼ sec. cor., brass cap marked

¼	S 8
	S 17
1927	

Desc. 332 ft.
 67.70 Wash, 10 lks. wide, course SW.
 80.10 The cor. of secs. 7, 8, 17 and 18.
 Land, mountainous.
 Soil, stony, 4th rate.
 Timber, none.
 Undergrowth, creosote brush, cactus, ocotillo and cholla.

N. 89° 59' W., on true line, between secs. 7 and 18, toward flag on objective corner, which is visible.
 Over gently rolling land, thru scattering undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for ¼ sec. cor., brass cap marked

¼	S 7
	S 18
1927	

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
 78.36 The cor. of secs. 7, 12, 13 and 18, on the west boundary of township, described in Book "G".
 Land, level.
 Soil, sandy and gravelly, 2nd rate.
 Timber, none.
 Undergrowth, creosote brush and cactus.

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains From cor. of secs. 7, 8, 17, and 18.
 N. 0° 3' W., on true line, bet. secs. 7 and 8.
 Over rolling land, thru scattering undergrowth.
 22.20 Wash, 6 lks. wide, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
 ground for 1/4 sec. cor., brass cap marked

S 7 | S 8
 1927

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,
 3 ft. dist.
 69.80 Wash, 15 lks. wide, course SW. Asc. 133 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins.
 in ground to bed rock, deposit a stone mkd. cross (X)
 at base of post and raise a mound of stone around
 post for cor. of secs. 5, 6, 7 and 8, brass cap mark-
 ed

T 4 N R 14 W
 S 6 | S 5
 S 7 | S 8
 1927

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

S. 89° 57' E., on random line, bet. secs. 5 and 8.
 40.00 Set temp. 1/4 sec. cor.
 80.00 Intersect the cor. of secs. 4, 5, 8 and 9.
 Thence
 N. 89° 57' W., on true line, bet. secs. 5 and 8.
 Over rolling land, thru scattering undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
 ground for 1/4 sec. cor., brass cap marked

1/4 S 5
 S 8
 1927

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,
 3 ft. dist.
 Asc. 58 ft.
 43.70 Ridge, brs. NW. and SE. Desc. 412 ft. to
 80.00 The cor. of secs. 5, 6, 7 and 8:
 Land, rolling and mountainous.
 Soil, stony, 4th rate.
 Timber, none.
 Undergrowth, creosote brush, ocotillo and cholla.

S. 89° 59' W., on true line bet. secs. 6 and 7, toward
 flag on objective corner which is visible.
 Over mountainous land, thru scattering undergrowth.
 Desc. 160 ft.
 10.90 Wash, 6 lks. wide, course SW. Asc. 52 ft.
 20.00 Spur, slopes SW. Desc. 42 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
 ground for 1/4 sec. cor., brass cap marked

Survey of Subdivisional Lines of Township 4 North, Range 14 West.

Chains

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

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

The cor. of secs. 1, 6, 7 and 12., on west boundary of township, described in Book "G"

Land, level and mountainous.

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

Timber, none.

Undergrowth, creosote brush and cactus.

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

N. 0° 3' W., on true line, bet. secs. 5 and 6.

Over rolling land, thru scattering undergrowth.

Asc. 68 ft.

3.35 Ridge, brs. NW. and SE. Desc. 201 ft. over NE. slope.

17.70 Wash, 20 lks. wide, course W., thence over gently rolling land.

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

$$\begin{array}{c} \frac{1}{4} \\ S 6 \quad | \quad S 5 \\ 1927 \end{array}$$

59.80 Dig pits, one each, N. and S. of cor., 3 ft. dist.

Wash, 20 lks. wide, course SW.

77.04 Intersect the north boundary of the township (First Standard Parallel North) 6.79 chs. W. of the std. cor. of secs. 32 and 33, T. 5 N., R. 14 W., which is a granite stone 8 x 10, 8 ins. above ground, firmly set, marked S C on N. face, 4 grooves on E. face, 2 grooves on W. face.

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins in the ground for closing cor. of secs. 5 and 6, brass cap marked

$$\begin{array}{c} T 5 N \quad R 14 W \\ S 32 \\ \hline S 6 \quad | \quad S 5 \\ T 4 N \quad R 14 W \\ C C \\ 1927 \end{array}$$

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

Land, rolling.

Soil, sandy, gravelly, and stony, 2nd and 4th rate.

Timber, none.

Undergrowth, creosote brush, ocotillo, cholla and cactus, scrub palo verde and mesquite.

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 of same described in Books "K" and "L" of this group.

GENERAL DESCRIPTION.

This township is mountainous in the northeastern portion. The southwesterly portion is level.

Soil on the level portion is sandy loam, 1st rate. The hilly and mountainous land soil is stony and gravelly, 3rd and 4th rate.

Timber has all been cut off from lands in this township.

Undergrowth is creosote and sage brush, ocotillo, cholla, scrub mesquite, palo verde and ironwood. Scattering giant cactus.

No water in this township.

There are indications of mineral in the northeast part of the township.

Land has been located by settlers in the southwestern portion of the township, but no buildings have been erected thereon.

Mean magnetic declination 15° E.

CERTIFICATE OF U.S. TRANSITMAN.

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 East Boundary and Subdivision Lines of

Township 4 North, Range 14 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.

Charles E. Hunter U.S. Transitman

Date: December 2, 1927.

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.

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 14 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, Ariz., 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.

Signature of 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 East Boundary and

Subdivision Lines of

Township 4 North, Range 14 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 the 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.

Signature of 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