

BOOK 3789

FIELD NOTES

Of the RETRACEMENT of the

First Standard Parallel, North, thru Range 15 West, and

Part of Range 14 West,

and of the SURVEY of the

East Boundary,

West Boundary,

North Boundary

and

Subdivision Lines

of

Township 4 North, Range 15 West,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

William H. Thorn, U. S. Cadastral Engineer,

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 December 24, 1926.

Survey completed January 8, 1927.

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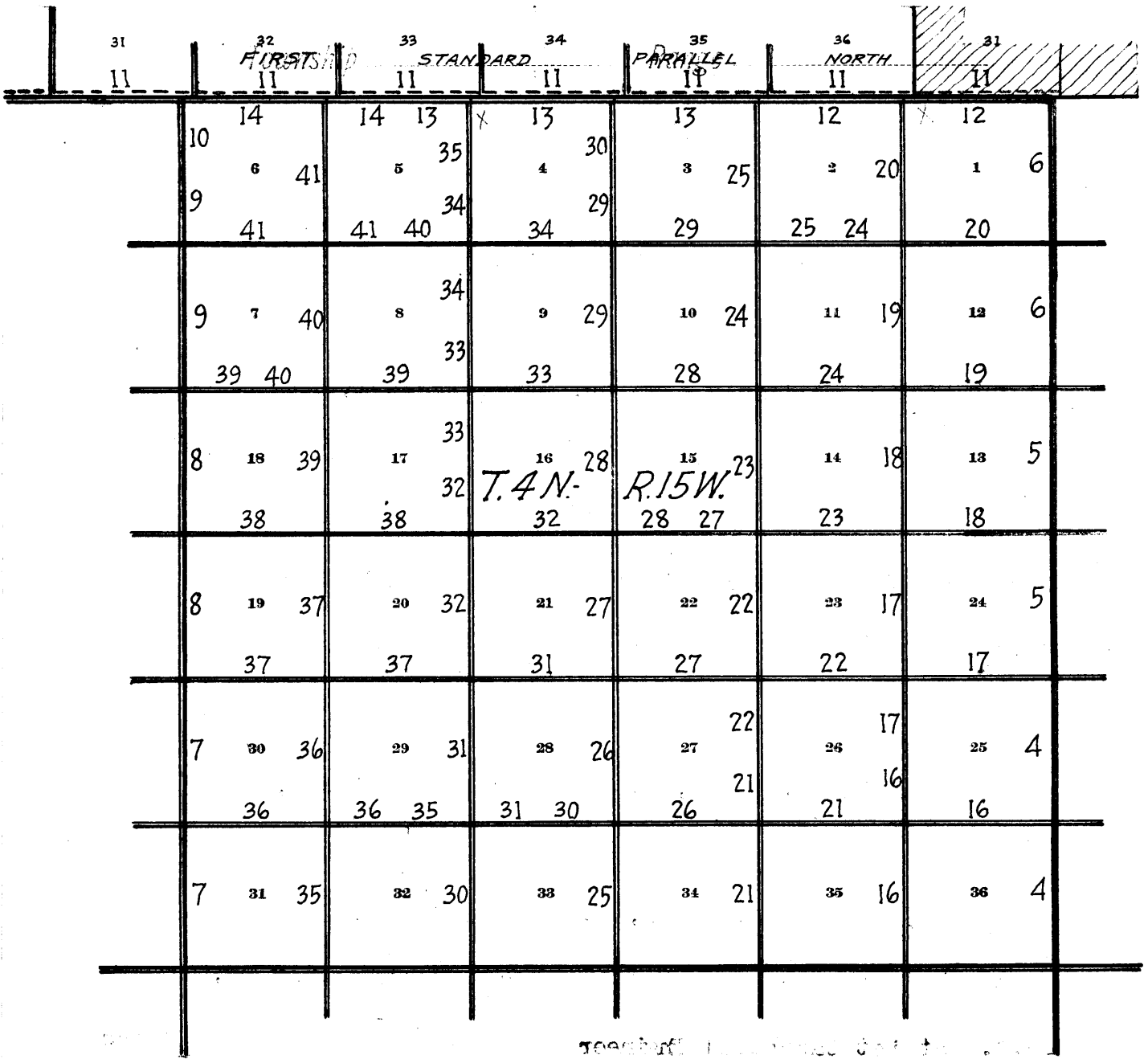
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7-6-53
 Eugene records plotted
 east to S²W¹ and
 west to S²W¹ area
 miscellaneous positions
 7/1/53

(1A)

BOOK 3789

INDEX DIAGRAM.

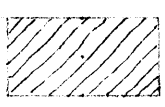


————— Surveyed under this group.

----- Retraced under this group.

----- Resurveyed under this group.

————— Accepted surveys, retracements or resurveys.

 Areas surveyed as per accepted plats on file.

Book "G"
 Group 143 Arizona
 Township 4 North, Range 15 West

DATE DIAGRAM.

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

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

- Surveyed by Wm. H. Thorn, U.S. Cadastral Eng., on dates shown thereon.
- Surveyed by Otis O. Gould, U.S. Transitman, on dates shown thereon.
- Retraced by Wm. H. Thorn, U.S.C.E., on dates shown thereon.

Surveys executed on dates shown on diagram on page 1 hereof by William H. Thorn, U. S. Cadastral Engineer, using a Buff light mountain transit No. 18000; 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.

Examine the adjustments 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, proceed as follows:

PRELIMINARY FIELD TEST

of
Buff Transit No. 18000
by

William H. Thorn, U. S. Cadastral Engineer.

December 25, 1926. At camp near the quarter-section corner of the East bdy. of sec. 25, T. 4 N., R. 15 W., G. & S. R. B. & M., Arizona, latitude $33^{\circ} 39\frac{1}{2}'$ N., longitude $113^{\circ} 45'$ W., at 1 h. 20 m., a. m., 1. m. t., observe Polaris at western elongation making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined on a peg driven firmly in the ground 5.00 chains north.

December 25, 1926. At 8 h. 0 m., a. m. app. t., lay off the azimuth of Polaris $1^{\circ} 18'$ to the west and mark the true meridian by a spike in a post 10.00 chs. north of my station.

At 9 h. 0 m., a. m., app. t., set off $33^{\circ} 39\frac{1}{2}'$ N. on the lat. arc; $23^{\circ} 22\frac{1}{2}'$ 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 $23^{\circ} 22'$ 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.

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 $23^{\circ} 21\frac{1}{2}' S.$, 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.

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 W. H. Thorn, U. S. C. E., were made with a Lufkin steel tape, 5.00 chains in length, and all measurements by Otis O. Gould, U. S. Transitman, were made with a Lallie steel tape, 5.00 chains in length. Both 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 East Boundary of Township 4 North, Range 15 West.

Chains From the corner of Ts. 3 and 4 N., Rs. 14 and 15 W., described in Book "E".
 North, on true line, bet. secs. 31 and 36.
 Over level land, thru dense undergrowth
 -20.00 Enter overflow land, course NW.
 32.00 Bradford's well and windmill bear W., about 15.00 chs. dist.
 35.00 Leave overflow land, course NW.
 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 36		S 31
	$\frac{1}{4}$	
	1926	

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.
 41.00 A house bears west about 15.00 chs. dist., thence thru scattering undergrowth.
 79.00 Drain, course west.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground for cor. of secs. 25, 30, 31 and 36, brass cap marked

	T 4 N	
R 15 W		R 14 W
S 25		S 30
S 36		S 31
	1926	

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 mesquite, ironwood and palo verde.
 Scattering bunch grass.

North, on true line, bet. secs. 25 and 30.
 Over level land, thru scattering undergrowth, draining W.
 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 25		S 30
	$\frac{1}{4}$	
	1926	

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. 19, 24, 25 and 30, brass cap marked

	T 4 N	
R 15 W		R 14 W
S 24		S 19
S 25		S 30
	1926	

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

Survey of East Boundary of Township 4 North, Range 15 West.

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

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

20.00 Enter overflow land, 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

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 24 \quad | \quad \text{S } 19 \\ \hline 1926 \end{array}$$

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

74.00 Leave overflow land, course SW.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins.
in ground for cor. of secs. 13, 18, 19 and 24, brass
cap marked

$$\begin{array}{c} \text{T } 4 \text{ N} \\ \text{R } 15 \text{ W} \quad | \quad \text{R } 14 \text{ W} \\ \hline \text{S } 13 \quad | \quad \text{S } 18 \\ \hline \text{S } 24 \quad | \quad \text{S } 19 \\ \hline 1926 \end{array}$$

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.

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

5.00 Enter overflow land, course SW.
35.00 Leave overflow land, 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

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 13 \quad | \quad \text{S } 18 \\ \hline 1926 \end{array}$$

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. 7, 12, 18 and 18, brass cap
marked

$$\begin{array}{c} \text{T } 4 \text{ N} \\ \text{R } 15 \text{ W} \quad | \quad \text{R } 14 \text{ W} \\ \hline \text{S } 12 \quad | \quad \text{S } 7 \\ \hline \text{S } 13 \quad | \quad \text{S } 18 \\ \hline 1926 \end{array}$$

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.

Survey of East Boundary of Township 4 North, Range 15 West

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

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 12 \text{ | } \text{S } 7 \\ 1926 \end{array}$$

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

Enter overflow land, course SW.

64.00 Leave overflow land, course SW.

76.00 Drain, course SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins.
in ground for cor. of secs. 1, 6, 7 and 12, brass
cap marked

$$\begin{array}{c} \text{T } 4 \text{ N} \\ \text{R } 15 \text{ W} \text{ | } \text{R } 14 \text{ W} \\ \text{S } 1 \text{ | } \text{S } 6 \\ \text{S } 12 \text{ | } \text{S } 7 \\ 1926 \end{array}$$

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

Soil, sandy loam, 1st rate.

Timber, none.

Undergrowth, creosote brush and scrub mesquite.

North, on true line, bet. secs. 1 and 6.
Over level land, thru scattering undergrowth.

5.00 Wash, 10 lks. wide, course SW.

11.00 Asc. 70 ft. over SE. slope of spur.

20.00 Spur, slopes E.

25.00 Desc. 60 ft. over NE. slope.

32.00 Enter level land, thru dense 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

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 1 \text{ | } \text{S } 6 \\ 1926 \end{array}$$

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

45.00 Enter overflow land, 5.00 chs. wide, course SW.

76.30 Wash, 30 lks. wide, course W.

76.88 Intersect the First Standard Parallel North 4.77 chs.

S. $89^{\circ} 57'$ W. of std. cor. of secs. 31 and 32, on S.
bdy. of T. 5 N., R. 14 W., which is a granite stone
8 x 10 ins., 6 ins. above ground, mkd. S C on N. face
with 5 grooves on E. face, and 1 groove on W. face,
firmly set and witnessed by md. of stone N. of cor.

At point of intersection set an iron post, 3 ft. long,
3 ins. in diam., 27 ins. in ground for closing cor.
of T. 4 N., Rs. 14 and 15 W. with brass cap marked

$$\begin{array}{c} \text{T } 5 \text{ N} \text{ R } 14 \text{ W} \\ \text{S } 1 \text{ | } \text{S } 6 \\ \text{R } 15 \text{ W} \text{ | } \text{R } 14 \text{ W} \\ \text{CC} \\ \text{T } 4 \text{ N} \\ 1926 \end{array}$$

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

Land, level and rolling.

Soil, sandy and stone, 2nd and 4th rate.

Timber, none.

Undergrowth, creosote brush and scrub mesquite.

Survey of West Boundary of Township 4 North, Range 15 West.

Chains From the cor. of Ts. 3 and 4 N., Rs. 15 and 16 W., de-
scribed in Book "E".
North, on true line, bet. secs. 31 and 36.
Over level land, thru scattering undergrowth.
23.75 A lone ironwood tree, 16 ins. in diam., on line. Cut
two notches each on N. and S. faces. Enter overflow
land, 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

S 36	↑ $\frac{1}{4}$	S 31
1926		

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,
3 ft. dist.
House at mining camp bears S. 78° W.
79.80 Drain, course NE.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins.
in ground for cor. of secs. 25, 30, 31 and 36, brass
cap marked

T 4 N	
R 16 W	R 15 W
S 25	S 30
S 36	S 31
1926	

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 mesquite, palo verde
and ironwood.

North on true line, bet. secs. 25 and 30.
Over level land, thru scattering undergrowth.
5.00 Enter overflow land, 7.00 chs. wide, course NE.
39.00 Enter overflow land, 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

S 25	↑ $\frac{1}{4}$	S 30
1926		

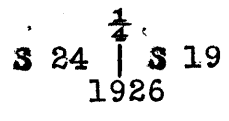
From which
Lone palo verde, 6 ins. in diam., brs. S. 3° W., 123
lks. dist., marked $\frac{1}{4}$ S 25 B T.
No other tree available.
Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,
3 ft. dist.
63.00 Leave overflow land, course NE., thence over gravel flat.
73.50 Road, brs. NE. and SW.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in
ground for cor. of secs. 19, 24, 25 and 30, brass cap
marked

T 4 N	
R 16 W	R 15 W
S 24	S 19
S 25	S 30
1926	

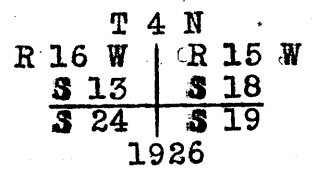
Survey of West Boundary of Township 4 North, Range 15 West.

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 and gravelly, 1st and 2nd rate.
 Timber, none.
 Undergrowth, creosote brush, scrub mesquite, palo verde and ironwood.

 North, on true line, bet. secs. 19 and 24.
 Over level land, thru scattering undergrowth.
 2.00 Enter overflow land, course NE.
 20.00 Leave overflow land, course NE. Thence over gravel flat.
 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

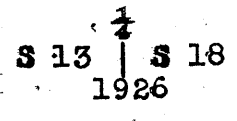


Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.
 44.30 Dim road, brs. E. and W.
 55.00 Enter overflow land, course NE.
 75.00 Leave overflow land, course NE.
 79.00 Wind mill brs. N. 89° W.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground for cor. of secs. 13, 18, 19 and 24, 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, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, creosote brush, 4 to 6 ft. high.

 North, on true line, bet. secs. 13 and 18.
 Over level land, thru scattering undergrowth.
 10.00 Enter adobe flat, brs. NE. and SW.
 20.00 Enter overflow land, 10.00 chs. wide, course NE., thru dense brush.
 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.
 Wind mill brs. S. 75° 30' W.
 42.50 Dim road, brs. E. and W.
 54.00 Dim road, brs. NE. and SW.
 67.00 Enter clearing; extends west 5.00 chs. and east 15.00 chs., 10 chs. wide.
 78.00 Frame house brs. E., about 5.00 chs. dist.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground for cor. of secs. 7, 12, 13 and 18, brass cap marked

Survey of West Boundary of Township 4 North, Range 15 West.

Chains

T 4 N	
R 16 W	R 15 W
S 12	S 7
S 13	S 18
1926	

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

Land, level.

Soil, adobe and sandy loam, 1st rate.

Timber, none.

Undergrowth, creosote brush and scrub mesquite.

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

Over level land, thru scattering undergrowth.

14.00 Drain, course E.

20.50 Wash, 10 lks. wide, course E.

24.00 Vicksburg & Quartzsite road, bears E. and W.

36.00 House bears E. about 7.00 chs. dist. Enter clearing brs. E. and W.

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 12	S 7
1926	

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

41.00 Leave clearing brs. E. and W.; drainage NE.

79.00 Frame house bears W., about 10.00 chs.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground for cor. of secs. 1, 6, 7 and 12, brass cap marked

T 4 N	
R 16 W	R 15 W
S 1	S 6
S 12	S 7
1926	

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 and scrub mesquite 4 to 6 ft. high.

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

Over level land, thru scattering undergrowth.

5.00 Enter clearing, 5.00 chs wide, 20.00 chs. long.

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 1	S 6
1926	

Survey of West Boundary of Township 4 North, Range 15 West.

Chains 75.47 Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,
3 ft. dist.
Thence over sandy flat, drainage NE.
Intersect First Standard Parallel North S. 89° 50' W.,
2.56 chains from standard cor. of secs. 31 and 32,
T. 5 N., R. 15 W., hereinafter described.
Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
ground for closing cor. of T. 4 N., Rs. 15 and 16 W.,
brass cap marked

T 5 N	R 15 W
S	31
S 1	S 6
R 16 W	R 15 W
T 4 N	
C C	
1926	

Dig pits 18 x 18 x 12 ins., one each on line E., W. and
S. of cor., 3 ft. dist.
Land, level.
Soil, sandy, 2nd rate.
Timber, none.
Undergrowth, creosote brush, 4 to 6 ft. high.

FIRST STANDARD PARALLEL NORTH, thru parts of Rs. 14 & 15 W.,
(N. Bdy. of T. 4 N., R. 15 W.)
Retracement for Survey.

Chains	<p>The First Standard Parallel North, thru Rs. 14 and 15 W., was surveyed by J. P. Hesse, U. S. D. S. in 1908 and 1909. No retracement or resurvey is of record.</p> <p>The setting of quarter-section corners and closing corners on the Parallel for T. 4 N., R. 15 W., as described in the following notes constitutes a survey of N. bdy. of said township.</p> <p>The standard corner of Secs. 31 and 32, T. 5 N., R. 14 W., on the First Standard Parallel North is a granite stone 8 x 10 ins., 6 ins. above ground, firmly set, mkd. S C on N. face, 5 grooves on E. face, and 1 groove on W. face and md. of stone N.</p> <p>Thence</p> <p>West, on random line, on S. bdy. of Sec. 31. (E. $\frac{1}{2}$)</p> <p>40.06 Fall 3 lks. N. of std. $\frac{1}{4}$ sec. cor. Set over cor. and continue random line W. on S. bdy. of sec. 31, (W. $\frac{1}{2}$.)</p> <p>40.15 Fall 4 lks. N. of std. cor. of T. 5 N., Rs. 14 and 15 W.</p> <p>-----</p> <p>From the std. cor. of T. 5 N., Rs. 14 and 15 W.,</p> <p>West, on random line on S. bdy. of sec. 36. (E. $\frac{1}{2}$)</p> <p>40.00 Fall 11 $\frac{1}{2}$ lks. N. of std. $\frac{1}{4}$ sec. cor. From std. $\frac{1}{4}$ sec. cor.</p> <p>West, on random line on S. bdy. of Sec. 36 (W. $\frac{1}{2}$)</p> <p>40.03 Fall 11 $\frac{1}{2}$ lks. N. of std. cor. of secs. 35 and 36.</p> <p>-----</p> <p>From std. cor. of secs. 35 and 36.</p> <p>West, on random line, on S. bdy. of sec. 35.</p> <p>40.00 Std. $\frac{1}{4}$ sec. cor. lying on ground. Continue random line west.</p> <p>80.00 Fall 23 lks. N. of std. cor. of secs. 34 and 35.</p> <p>-----</p> <p>From std. cor. of secs. 34 and 35.</p> <p>West, on random line, on S. bdy. of sec. 34. (E. $\frac{1}{2}$)</p> <p>40.00 Fall 11 $\frac{1}{2}$ lks. N. of std. $\frac{1}{4}$ sec. cor. From std. $\frac{1}{4}$ sec. cor. W. on random line on S. bdy. of sec. 34 (W. $\frac{1}{2}$)</p> <p>40.00 Fall 11 $\frac{1}{2}$ lks. N. of std. cor. of secs. 33 and 34.</p> <p>-----</p> <p>From std. cor. of secs. 33 and 34.</p> <p>West, on random line on S. bdy. of sec. 33. (E. $\frac{1}{2}$)</p> <p>40.04 Fall 11 $\frac{1}{2}$ lks. N. of std. $\frac{1}{4}$ sec. cor. From std. $\frac{1}{4}$ sec. cor. W. on random line on S. bdy. of sec. 33 (W. $\frac{1}{2}$)</p> <p>40.04 Fall 11 $\frac{1}{2}$ lks. N. of std. cor. of secs. 32 and 33.</p> <p>-----</p> <p>From std. cor. of secs. 32 and 33.</p> <p>West, on random line on S. bdy. of sec. 32. (E. $\frac{1}{2}$)</p> <p>40.09 Fall 11 $\frac{1}{2}$ lks. N. of std. $\frac{1}{4}$ sec. cor. of sec. 32. From std. $\frac{1}{4}$ sec. cor. W. on random line on S. bdy. of sec. 32. (W. $\frac{1}{2}$).</p> <p>39.98 Fall 11 $\frac{1}{2}$ lks. N. of std. cor. of secs. 31 and 32.</p> <p>-----</p> <p>From the std. cor. of secs. 31 and 32.</p> <p>West, on random line on S. bdy. of sec. 31. (E. $\frac{1}{2}$).</p> <p>40.04 Fall 11 $\frac{1}{2}$ lks. N. of std. $\frac{1}{4}$ sec. cor. From std. $\frac{1}{4}$ sec. cor. W. on random line on S. bdy. of sec. 31. (W. $\frac{1}{2}$)</p> <p>40.05 Fall 11 $\frac{1}{2}$ lks. N. of std. cor. of T. 5 N., Rs. 15 and 16 W.</p> <p>-----</p>
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Survey of North Boundary of Township 4 North, Range 15 West

- Chains From the closing cor. of T. 4 N., Rs. 14 and 15 W., hereinbefore described.
S. $89^{\circ} 57' W.$, on true line on N. bdy. of Sec. 1.
Over level land, thru scattering undergrowth.
- 35.29 The standard $\frac{1}{4}$ sec. cor. of sec. 31, which is a granite stone 6 x 6 ins., 4 ins. above ground, firmly set, marked S C $\frac{1}{4}$ on N. face, witnessed by pits and mound.
- 37.14 Road, bears N. and S.
- 40.02 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 1
1927
- Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
- 71.44 House, bears S., about 3.00 chs. dist.
- 75.44 The standard cor. of T. 5 N., Rs. 14 and 15 W., which is a granite stone 6 x 6, 6 ins. above ground, firmly set, marked S C and six grooves on N. face, and 6 grooves on E. and W. faces. Witnessed by pits and mound.
- Thence S. $89^{\circ} 50' W.$, continuing measurement of N. bdy. of sec. 1,
- 78.00 House bears south, about 3.00 chs. dist.
- 80.05 Point for closing cor. of secs. 1 and 2, hereinafter described.
Land, level.
Soil, sandy and gravelly loam, 1st and 2nd rate.
Timber, none.
Undergrowth, creosote brush and scrub mesquite.
-
- S. $89^{\circ} 50' W.$, on N. bdy. of Sec. 2.
Over level land, thru scattering undergrowth.
- 25.00 Enter overflow land, course SW.
- 35.39 Intersect the standard $\frac{1}{4}$ sec. cor. on the S. bdy. of Sec. 36, T. 5 N., R. 15 W., which is a granite stone 6 x 8, 4 ins. above the ground firmly set, marked S C $\frac{1}{4}$ on N. face, witnessed by pits and mound.
- 39.98 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 2
1927
- Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
- 55.39 House, bears S. about 12.00 chs. dist.
- 75.17 Quartzsite and Vicksburg road, bears NE. and SW.
- 75.42 Intersect std. cor. of secs. 35 and 36, T. 5 N., R. 15 W., which is a granite stone 6 x 8, 4 ins. above ground firmly set, marked S C on N. face, 1 groove on E. and 5 grooves on W. faces witnessed by pits and mound.
- 79.95 The true point for closing cor. of secs. 2 and 3, hereinafter described.
Land, level.
Soil, sandy and gravelly, 1st and 2nd rate.
Timber, none.
Undergrowth, creosote brush and scrub mesquite.
-

Survey of North Boundary of Township 4 North, Range 15 West.

- Chains S. 89° 50' W., on N. bdy. of sec. 3.
Over level land, thru scattering undergrowth.
- 12.87 Wash, 20 lks. wide, course SW.
- 35.47 Reset the stone originally set to monument the std. quarter-section cor. of sec. 35.
A granite stone 6 x 10 x 22 ins., set 8 ins. in ground, mkd. S C $\frac{1}{4}$ on N. face and dig pits 18 x 18 x 12 ins., one each E. and W. of cor. 3 ft. dist.
- 39.98 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 3
1927
- Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
- 75.47 Intersect the std. cor. of secs. 34 and 35, T. 5 N., R. 15 W., which is a granite stone 6 x 8, 4 ins. above ground firmly set, marked S C on N. face, 2 grooves on E., and 4 grooves on W. faces, witnessed by mound and pits.
- 79.96 True point for closing cor. of secs. 3 and 4, hereinafter described.
Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote brush and scrub mesquite.
-
- S. 89° 50' W., on N. bdy. of sec. 4.
Over level land, thru scattering undergrowth.
- 10.51 Enter overflow land, 5.00 chs. wide, course SW.
- 35.51 Intersect std. quarter-section corner on S. bdy. of sec. 34, T. 4 N., R. 15 W., which is a granite stone 6 x 8, 6 ins. above the ground firmly set, marked S C $\frac{1}{4}$ on N. face, witnessed by pits and mound.
- 39.96 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
1927
- Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
- 75.51 Intersect standard cor. of secs. 33 and 34, T. 5 N., R. 15 W., which is a granite stone 6 x 8, 6 ins. above the ground, marked S C on N. face, 3 grooves on E. and W. faces, witnessed by pits and mound.
- 79.92 True point for closing cor. of secs. 4 and 5, hereinafter described.
Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote brush and scrub mesquite.
-
- S. 89° 50' W., on N. bdy. of sec. 5.
Over level land, thru scattering undergrowth.
- 35.63 Intersect std. $\frac{1}{4}$ sec. cor. of sec. 33, T. 5 N., R. 15 W., which is a granite stone 6 x 10, 4 ins. above the ground, firmly set, marked S C $\frac{1}{4}$ on N. face, witnessed

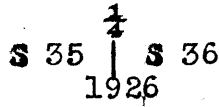
Survey of North Boundary of Township 4 North, Range 15 West.

- Chains by pits and mound.
From this cor. a tent house bears NW. about 3.00 chs. dist.
- 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 5
1927
- Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
- 65.59 Enter overflow land, 5.00 chs. wide, course SW.
- 75.67 Intersect the std. cor. of secs. 32 and 33, T. 5 N., R. 15 W., which is a granite stone 6 x 8, 6 ins. above ground, firmly set, marked S C on N. face, 4 grooves on W., and 2 grooved on W. faces; witnessed by pits and mound.
- 79.89 True point for closing cor. of secs. 5 and 6, herein-after described.
Land, level; drainage NW.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote brush and scrub mesquite.
-
- S. 89° 50' W., on N. bdy. of sec. 6.
Over level land, thru scattering undergrowth.
- 35.87 Intersect standard $\frac{1}{4}$ sec. cor. on S. bdy. of sec. 32, T. 5 N., R. 15 W., which is a granite stone 6 x 8, 4 ins. above the ground, firmly set, marked S C $\frac{1}{4}$ on N. face, witnessed by pits and mound.
- 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
- $\frac{1}{4}$ S 6
1927
- Dig pits 18 x 18 x 12 ins. one each E. and W. of cor., 3 ft. dist.
- 45.78 Enter overflow land 5.00 chs. wide, course NW.
- 59.28 Dim road, bears NW. and SE.
- 75.85 Intersect standard cor. of secs. 31 and 32, which is a granite stone 4 x 8, 4 ins. above ground, firmly set, marked S C on N. face, 5 grooves on E., and 1 groove on W. faces.
- 78.41 Intersect the closing cor. of T. 4 N., Rs. 15 and 16 W., hereinbefore described.
Land, level.
Soil, adobe and sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote brush and scrub mesquite.
-

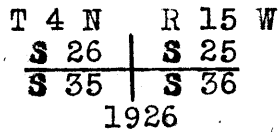
Latitudes, Departures and Closing Errors.						
Line designated	True course	Dist- ance.	Latitudes		Departures	
			N.	S.	E.	W.
South Boundary	N.89°58' W.	478.65	.30			478.65
West Boundary	North	475.47	475.47			
North Boundary	N.89°50' E.	402.74	1.17		402.74	
	N.89°57' E.	75.44	.06		75.44	
East Boundary	South	476.88		476.88		
Convergency					0.48	
Totals			477.00	476.88	478.66	478.65
			476.88		478.65	
Error in latitude			.12			
Error in departure					.01	

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains From the cor. of secs. 1, 2, 35 and 36, on S. bdy. of township, described in Book "E".
 N. 0° 1' W., on true line, bet. secs. 31 and 36.
 Over level 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



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 the ground for cor. of secs. 25, 26, 35 and 36, brass cap marked



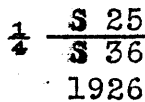
Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, creosote brush, scrub mesquite, cactus and sage brush.
 Some bunch grass.

40.00 S. 89° 56' E., on random line, bet. secs. 25 and 36.
 Set temp. 1/4 sec. cor.

80.12 Intersect the cor. of secs. 25, 30, 31 and 36, on E. bdy. of township, hereinbefore described

Thence
 N. 89° 56' W., on true line, bet. secs. 25 and 36.
 Over level land, thru scattering undergrowth.

40.06 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for 1/4 sec. cor., brass cap marked



63.62 Dig pits 18 x 18 x 12 ins., one each E. and W. of cor. 3ft. dist.
 Road, brs. NW. and SE.
 80.12 The cor. of secs. 25, 26, 35 and 36.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, creosote brush and scrub mesquite.

21.10 N. 0° 1' W., on true line, bet. secs. 25 and 26.
 Over level land, thru scattering undergrowth.
 Road, bears NW. and SE.
 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 15 West.

Chains

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 26 \quad | \quad \text{S } 25 \\ 1926 \end{array}$$

- Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,
3 ft. dist.
- 62.10 Road, bears N. 10° E., and S. 10° W.
- 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

$$\begin{array}{cc} \text{T } 4 \text{ N} & \text{R } 15 \text{ W} \\ \text{S } 23 & | & \text{S } 24 \\ \text{S } 26 & | & \text{S } 25 \\ 1926 \end{array}$$

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, cactus and sage brush.

- 40.00 S. 89° 56' E., on random line, bet. secs. 24 and 25.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.12 Intersect the cor. of secs. 19, 24, 25 and 30, on E. bdy.
of township, hereinbefore described.
- Thence
- N. 89° 56' W., on true line, bet. secs. 24 and 25.
- Over level land, thru scattering undergrowth.
- 40.06 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
ground for $\frac{1}{4}$ sec. cor., brass cap marked

$$\begin{array}{c} \frac{1}{4} \text{ S } 24 \\ \text{S } 25 \\ 1926 \end{array}$$

- Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,
3 ft. dist.
- 76.72 Road, brs. N. and S.
- 80.12 The cor. of secs. 23, 24, 25 and 26.
- Land, level.
- Soil, sandy loam, 1st rate.
- Timber, none.
- Undergrowth, creosote brush, cactus and sage brush.

- N. 0° 1' W., on true line, bet. secs. 23 and 24.
- 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

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 23 \quad | \quad \text{S } 24 \\ 1926 \end{array}$$

- 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. 13, 14, 23 and 24, brass
cap marked

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains

T 4 N	R 15 W
<u>S 14</u>	<u>S 13</u>
<u>S 23</u>	<u>S 24</u>
1926	

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° 56' E., on random line, bet. secs. 13 and 24.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.12 Intersect the cor. of secs. 13, 18, 19 and 24, on E. bdy. of township, hereinbefore described.
- Thence
N. 89° 56' W., on true line, bet. secs. 13 and 24.
Over level land, thru scattering undergrowth.
- 40.06 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked

$\frac{1}{4}$	<u>S 13</u>
	<u>S 24</u>
1926	

- 68.32 Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
Road, brs. N. and S.
- 80.12 The cor. of secs. 13, 14, 23 and 24.
Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote brush and cactus.

- 40.00 N. 0° 1' W., on true line, bet. secs. 13 and 14.
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 14	$\frac{1}{4}$	S 13
1926		

- 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. 11, 12, 13 and 14, brass cap marked

T 4 N	R 15 W
<u>S 11</u>	<u>S 12</u>
<u>S 14</u>	<u>S 13</u>
1926	

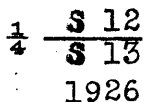
Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.
Southeast cor. of a house brs. N. 25° 20' W.

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote and sage brush and cactus.

S. 89° 56' E., on random line, bet. secs. 12 and 13.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.06 Intersect the cor. of secs. 7, 12, 13 and 18, on E. bdy. of township, hereinbefore described.

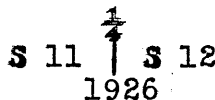
Thence
N. 89° 56' W., on true line, bet. secs. 12 and 13.
Over level land, thru scattering undergrowth.
40.03 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked



Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
60.86 Road, brs. N. and S.
80.06 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.
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.
75.10 Road, bears NE. and SW.
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



Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.
House brs. S. 71° W.
Land, level.
Soil, sandy and gravelly, 1st and 2nd rate.
Timber, none.
Undergrowth, creosote and sage brush and cactus.

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains East, on random line, bet. secs. 1 and 12.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Fall 9 lks. N. of cor. of secs. 1, 6, 7 and 12, on E.
 bdy. of township, hereinbefore described.
 Thence
 N. $89^{\circ} 56'$ W., on true line, bet. secs. 1 and 12.
 Over rolling land, thru scattering undergrowth.
 Asc. 52 ft.
 20.07 Spur, slopes south. Desc. 72 ft. over W. slope.
 26.04 Enter level land, brs. NW. and SE.
 40.02 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
 ground for $\frac{1}{4}$ sec. cor., brass cap marked

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

1926

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

52.74 Road, brs. N. and S.

75.14 Road, brs. NE. and SW.

80.04 The cor. of secs. 1, 2, 11 and 12.

Land, rolling and level.

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

Timber, none.

Undergrowth, creosote brush, scrub palo verde and cactus.

N. $0^{\circ} 1'$ W., on true line, bet. secs. 1 and 2.
 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

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

1927

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

76.72 Intersect the First Standard Parallel North, 4.61 chs.
 S. $89^{\circ} 50'$ W. of std. cor. of T. 5 N., Rs. 14 and 15 W.,
 on north boundary of township, hereinbefore described
 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.

$$\begin{array}{r} T 5 N \quad R 15 W \\ S 36 \\ \hline S 2 \quad | \quad S 1 \\ T 4 N \quad R 15 W \\ C C \\ 1927 \end{array}$$

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

Land, level.

Soil, sandy and gravelly, 2nd rate.

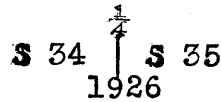
Timber, none.

Undergrowth, creosote brush, scrub mesquite and cactus.

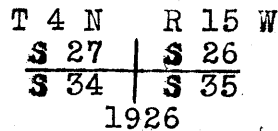
From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of
 township, described in Book "E".

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains N. 0° 1' W., on true line, bet. secs. 34 and 35.
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



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. 26, 27, 34 and 35, brass cap marked

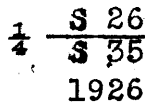


Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.
Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote and sage brush and cactus.

40.00 S. 89° 58' E., on random line, bet. secs. 26 and 35.
Set temp. $\frac{1}{4}$ sec. cor.
79.82 Intersect the cor. of secs. 25, 26, 35 and 36.

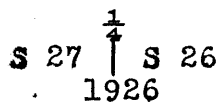
Thence

N. 89° 58' W., on true line, bet. secs. 26 and 35.
Over level land, thru scattering undergrowth.
8.22 Road, brs. N. 10° W., and S. 10° W.
39.91 Set an iron post; 3 ft. long, 1 in. in diam., 27 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked.



79.82 Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
The cor. of secs. 26, 27, 34 and 35.
Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote brush and scrub mesquite.

40.00 N. 0° 1' W., on true line, bet. secs. 26 and 27.
Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked



79.30 Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.
Road, brs. NW. and SE.

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains
80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground for cor. of secs. 22, 23, 26 and 27, brass cap marked

T 4 N R 15 W
 $\frac{S}{S} \frac{22}{27} \mid \frac{S}{S} \frac{23}{26}$
 1926

Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.
 House brs. S. 13° 12' E.
 House brs. S. 16° 44' E.
 House brs. S. 81° 05' E.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, creosote and sage brush and cactus.

40.00 S. 89° 58' E., on random line, bet. secs. 23 and 26. Set temp. $\frac{1}{4}$ sec. cor.
 79.84 Intersect the cor. of secs. 23, 24, 25 and 26. Thence
 N. 89° 58' W., on true line, bet. secs. 23 and 26. Over level land, thru scattering undergrowth.
 39.92 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked

$\frac{1}{4} \frac{S}{S} \frac{23}{26}$
 1926

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
 67.74 SE. cor. of house, brs. S. 60° 11' W.
 " " " " " S. 78° 20' W.
 " " " " " S. 2° 16' W.
 79.84 The cor. of secs. 22, 23, 26 and 27
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, creosote brush, cactus and sage brush.

40.00 N. 0° 1' W., on true line, bet. secs. 22 and 23. 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

$\frac{1}{4} \frac{S}{S} \frac{22}{23}$
 1926

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. 14, 15, 22 and 23, brass cap marked

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains

T 4 N R 15 W
 $\frac{S}{S} \frac{15}{22} | \frac{S}{S} \frac{14}{23}$
 1926

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° 56' E., on random line, bet. secs. 14 and 23.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.84 Intersect cor. of secs. 13, 14, 23 and 24.
 Thence
 N. 89° 56' W., on true line, bet. secs. 14 and 23.
 Over level land, thru scattering undergrowth.
 39.92 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked

$\frac{1}{4} \frac{S}{S} \frac{14}{23}$
 1926

79.84 Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
 The cor. of secs. 14, 15, 22 and 23.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, creosote and sage brush and cactus.

40.00 N. 0° 1' W., on true line, bet. secs. 14 and 15.
 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

$\frac{1}{4} \frac{S}{S} \frac{15}{15} | \frac{S}{S} \frac{14}{14}$
 1926

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. 10, 11, 14 and 15, brass cap marked

T 4 N R 15 W
 $\frac{S}{S} \frac{10}{15} | \frac{S}{S} \frac{11}{14}$
 1926

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 15 West.

Chains East, on random line, bet. secs. 11 and 14.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Fall 5 lks. N. of cor. of secs. 11, 12, 13 and 14.
 Thence
 N. $89^{\circ} 58'$ W., on true line, bet. secs. 11 and 14.
 Over level land, thru scattering undergrowth.
 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

$$\frac{1}{4} \frac{S 11}{S 14}$$

1926

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

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

$$S 10 \frac{1}{4} S 11$$

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. 2, 3, 10 and 11, brass cap
 marked

T 4 N	R 15 W.
S 3	S 2
S 10	S 11

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.

East, on random line bet. secs. 2 and 11.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect cor. of secs. 1, 2, 11 and 12.
 Thence
 West, on true line, bet. secs. 2 and 11.
 Over level land, thru scattering undergrowth.
 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

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

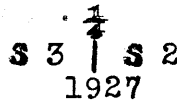
1927

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

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

79.94 The cor. of secs. 2, 3, 10 and 11.
Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote and sage brush, scrub mesquite and
cactus.

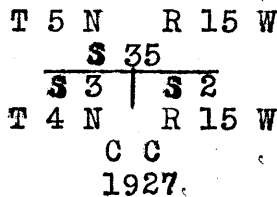
40.00 N. 0° 1' W., on true line, bet. secs. 2 and 3.
Over level land, thru scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
ground for $\frac{1}{4}$ sec. cor., brass cap marked



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

76.49 Vicksburg and Quartzsite road, brs. NE. and SW.
Intersect the First Standard Parallel North, 4.53 chs.
S. 89° 50' W. of std. cor. of secs. 35 and 36
T. 5 N., R. 15 W., hereinbefore described.

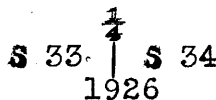
Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins.
in the ground for closing corner of secs. 2 and 3,
brass cap marked



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

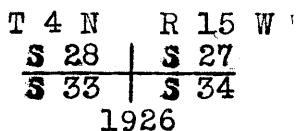
Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote and sage brush and cactus.

40.00 From the cor. of secs. 3, 4, 33 and 34, on the south bdy.
of township, described in Book "E".
N. 0° 2' W., on true line, bet. secs. 33 and 34.
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



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 the ground for cor. of secs. 27, 28, 33 and 34,
brass cap marked



Survey of Subdivisional Lines of Township 4 North, Range 15 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.

East, on random line, bet. secs. 27 and 34.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.04 Fall 5 lks. N. of cor. of secs. 26, 27, 34 and 35.
Thence
N. $89^{\circ} 58'$ W., on true line, bet. secs. 27 and 34.
Over level land, thru scattering undergrowth.
40.02 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked

$\frac{1}{4}$ $\frac{S 27}{S 34}$
1926

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
80.04 The cor. of secs. 27, 28, 33 and 34.
Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote brush.

N. $0^{\circ} 2'$ 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., 27 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked

$\frac{1}{4}$
S 28 | S 27
1926

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. 21, 22, 27 and 28, brass cap marked

T 4 N R 15 W
 $\frac{S 21}{S 28}$ | $\frac{S 22}{S 27}$
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.

S. $89^{\circ} 58'$ E., on random line, bet. secs. 22 and 27.
40.00 Set temp. $\frac{1}{4}$ sec. cor.

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains

- 80.04 Intersect the cor. of secs. 22, 23, 26 and 27.
Thence
N. 89° 58' W., on true line, bet. secs. 22 and 27.
Over level land, thru scattering undergrowth.
4.44 Road, bears NW. and SE.
40.02 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
ground for $\frac{1}{4}$ sec. cor., brass cap marked

$$\frac{1}{4} \begin{array}{c} S 22 \\ S 27 \\ 1926 \end{array}$$

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

- 80.04 The cor. of secs. 21, 22, 27 and 28.
Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote and sage brush and cactus.

N. 0° 2' W., on true line, bet. secs. 21 and 22.
Over level land, thru scattering undergrowth.

- 10.70 Road, bears N. 70° W., and S. 70° E.
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

$$\begin{array}{ccc} & \uparrow & \\ S 21 & & S 22 \\ & 1926 & \end{array}$$

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

- 44.50 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. 15, 16, 21 and 22, brass
cap marked

$$\begin{array}{cc} T 4 N & R 15 W \\ \hline S 16 & | & S 15 \\ \hline S 21 & | & S 22 \\ & 1926 & \end{array}$$

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 and sage brush and cactus.

- 40.00 East, on random line, bet. secs. 15 and 22.
Set temp. $\frac{1}{4}$ sec. cor.
80.08 Fall 5 lks. N. of cor. of secs. 14, 15, 22 and 23.
Thence
N. 89° 58' W., on true line, bet. secs. 15 and 22.
Over level land, thru scattering undergrowth.
40.04 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 15 West.

Chains	$\frac{1}{4} \frac{\$ 15}{\$ 22}$ 1926
80.08	Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist. The cor. of secs. 15, 16, 21 and 22. Land, level. Soil, sandy loam, 1st rate. Timber, none. Undergrowth, creosote brush.
40.00	N. 0° 2' W., on true line, bet. secs. 15 and 16. 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
	$\begin{array}{c} \frac{1}{4} \\ \$ 16 \quad \quad \$ 15 \\ 1927 \end{array}$
80.00	Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist. Thence over gently rolling land. 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
	$\begin{array}{cc} T 4 N & R 15 W \\ \$ 9 & & \$ 10 \\ \$ 16 & & \$ 15 \\ 1927 \end{array}$
	Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist. Land, level, and rolling. Soil, sandy loam, 1st rate. Timber, none. Undergrowth, creosote and sage brush and cactus.
40.00	East, on random line, bet. secs. 10 and 15. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Fall 3 lks. N. of cor. of secs. 10, 11, 14 and 15. Thence
40.02	N. 89° 59' W., on true line, bet. secs. 10 and 15. 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
	$\frac{1}{4} \frac{\$ 10}{\$ 15}$ 1927
80.04	Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist. The cor. of secs. 9, 10, 15 and 16. Land, gently rolling. Soil, sandy loam, 1st rate. Timber, none. Undergrowth, creosote brush and scrub mesquite.

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains N. $0^{\circ} 2' W.$, on true line, bet. secs. 9 and 10.
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

$$\begin{array}{c} \frac{1}{4} \\ S 9 \quad | \quad S 10 \\ 1927 \end{array}$$

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. 3, 4, 9 and 10, brass
cap marked

$$\begin{array}{c} T 4 N \quad R 15 W \\ S 4 \quad | \quad S 3 \\ S 9 \quad | \quad S 10 \\ 1927 \end{array}$$

Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and
NW. of cor., 3 ft. dist.
NW. cor. of house bears S. $31^{\circ} 02' E.$, 7.00 chs.
Land, gently rolling.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote and sage brush and cactus.

S. $89^{\circ} 59' E.$, on a true line, bet. secs. 3 and 10.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.04 Intersect the cor. of secs. 2, 3, 10 and 11.
Thence
N. $89^{\circ} 59' W.$, on true line, bet. secs. 3 and 10.
Over level land, thru scattering undergrowth.
40.02 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
ground for $\frac{1}{4}$ sec. cor., brass cap marked

$$\frac{1}{4} \frac{S 3}{S 10} \\ 1927$$

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,
3 ft. dist.
80.04 The cor. of secs. 3, 4, 9 and 10.
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. 3 and 4.
Over level land, thru scattering undergrowth.
23.10 Quartzsite and Vicksburg road, bears NE. and SW.
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

$$\begin{array}{c} \frac{1}{4} \\ S 4 \quad | \quad S 3 \\ 1927 \end{array}$$

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

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains

76.29 Intersect the First Standard Parallel North, 4.49 chs.
 S. $89^{\circ} 50'$ W., of the std. cor. of secs. 34 and 35,
 T. 5 N., R. 15 W., hereinbefore described.
 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins.
 in the ground for closing cor. of secs. 3 and 4,
 brass cap marked

T 5 N	R 15 W
S 34	
S 4	S 3
T 4 N	R 15 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 and gently rolling.

Soil, sandy loam, 1st rate.

Timber, none.

Undergrowth, creosote and sage brush, and cactus.

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

N. $0^{\circ} 2'$ 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., 27 ins. in
 ground for $\frac{1}{4}$ sec. cor., brass cap marked

S 32	$\frac{1}{4}$	S 33
1926		

Dig pit 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. 28, 29, 32 and 33, brass
 cap marked

T 4 N	R 15 W
S 29	S 28
S 32	S 33
1926	

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. $89^{\circ} 56'$ E., on random line, bet. secs. 28 and 33.
 Set temp. $\frac{1}{4}$ sec. cor.

79.94 Intersect the cor. of secs. 27, 28, 33 and 34.

Thence

N. $89^{\circ} 56'$ W., on true line, bet. secs. 28 and 33.

Over level land, thru scattering undergrowth.

39.97 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

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains

$\frac{1}{4}$ $\frac{S 28}{S 33}$
1926

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

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

Land, level.

Soil, sandy loam, 1st rate.

Timber, none.

Undergrowth, creosote and sage 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
ground for $\frac{1}{4}$ sec. cor., brass cap marked

$\frac{1}{4}$
S 29 | S 28
1926

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 15 W
S 20 | S 21
S 29 | S 28
1926

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.

S. 89° 57' E., on random line, bet. secs. 21 and 28.

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

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

Thence

N. 89° 57' W., on true line, bet. secs. 21 and 28.

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

$\frac{1}{4}$ $\frac{S 21}{S 28}$
1926

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

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

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 15 West.

Chains N. $0^{\circ} 2'$ W., on true line, bet. secs. 20 and 21.
 Over level land, thru scattering undergrowth.
 26.00 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

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 20 \quad | \quad \text{S } 21 \\ 1927 \end{array}$$

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

$$\begin{array}{c} \text{T } 4 \text{ N} \quad \text{R } 15 \text{ W} \\ \text{S } 17 \quad | \quad \text{S } 16 \\ \text{S } 20 \quad | \quad \text{S } 21 \\ 1927 \end{array}$$

Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and
 NW. of cor., 3 ft. dist.
 SW. corner of house No. 1, bears S. $74^{\circ} 25'$ E.
 " " " " " 2 " S. $73^{\circ} 43'$ E.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, creosote and sage brush and cactus.

East, on random line, bet. secs. 16 and 21.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Fall 6 lks. N. of cor., of secs. 15, 16, 21 and 22.
 Thence
 N. $89^{\circ} 57'$ W., on true line, bet. secs. 16 and 21.
 Over level land, thru scattering undergrowth.
 24.06 Road, brs. NW. and SE.
 39.98 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.
 From above corner:
 SW. cor. of house No. 1, brs. S. $21^{\circ} 37'$ E.
 " " " " " 2 " S. $14^{\circ} 15'$ E.
 79.96 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 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

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains

$\frac{1}{4}$
 S 17 | S 16
 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. 8, 9, 16 and 17, brass cap marked

T 4 N R 15 W
 S 8 | S 9
 S 17 | S 16
 1927

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

NW. cor. of barn bears S. 64° 44' E.

Land, level.

Soil, sandy loam, 1st rate.

Timber, none.

Undergrowth, creosote and sage brush and cactus.

N. 89° 58' E., on random line, bet. secs. 9 and 16.

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

79.96 Intersect the cor. of secs. 9, 10, 15 and 16.

Thence

S. 89° 58' W., on true line, bet. secs. 9 and 16.

Over level land, thru scattering undergrowth.

35.76 Road bears NW. and SE.

39.98 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 16
 1927

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

42.04 NW. cor. of house bears S. 58° 20' W.

78.16 Road, bears N. and S.

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

Land, level.

Soil, sandy loam, 1st rate.

Timber, none.

Undergrowth, creosote and sage brush and cactus.

N. 0° 2' W., on true line, bet. secs. 8 and 9.

Over level land, thru scattering undergrowth

5.40 Road, brs. NW. and SE.

10.20 Road, brs. NW. and SE.

31.45 SE. Cor. of Gordon's house, brs. W., 110 lks. dist.

35.75 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 8 | S 9
 1927

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.
 Thence over gently rolling land.
 40.80 Road bears NW. and SE,
 68.45 Windmill at desert wells bears S. 63° 35' W.
 NE. cor. of grocery store by windmill bears S. 61° 48' W.
 SW. cor. of a house bears N. 89° 53' E., 8.00 chs. dist.
 A house bears N. 43° 40' E.
 House bears N. 14° 16' E.
 69.00 Quartzsite and Vicksburg road, bears NE. and SW.
 75.30 Wire fence, bears E. and W.
 80.00 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

T 4 N		R 15 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.
 NW. cor. of house bears S. 46° 52' E.
 SW. " " " " S. 82° 13' E.
 Land, level and gently rolling.
 Soil, sandy loam and adobe, 1st rate.
 Timber, none.
 Undergrowth, creosote and sage brush and cactus.

S. 89° 59' E., on random line, bet. secs. 4 and 9.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect the cor. of secs. 3, 4, 9 and 10.
 Thence
 N. 89° 59' W., on true line, bet. secs. 4 and 9.
 Over level land, thru scattering undergrowth.
 37.50 SW. cor. of house, brs. N. 57° 6' E., 10.00 chs. 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

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

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor., 3 ft. dist.
 47.44 Quartzsite and Vicksburg road, bears NE. and SW.
 75.44 Wire fence, bears N. and S.
 79.94 The cor. of secs. 4, 5, 8 and 9.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, creosote and sage brush and cactus.

N. 0° 2' W., on true line, bet. secs. 4 and 5.
 Over gently rolling land, thru scattering undergrowth.
 4.40 Wire fence, bears E. and W.
 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 5		S 4
1927		

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains Dig pits 18 x 18 x 12 ins., one each N. and S. of cor., 3 ft. dist.
 76.08 Intersect the 1st Standard Parallel North, 4.41 chs. S. 89° 50' W., of std. cor. of secs. 33 and 34, T. 5 N., R. 15 W., hereinbefore described.
 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

T 5 N R 15 W
 S 33
 S 5 | S 4
 T 4 N R 15 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, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, creosote and sage brush and cactus.

From the cor. of secs. 5, 6, 31 and 32, on S. bdy. of township, described in Book "E" of this group.
 N. 0° 3' W., on true line, bet. secs. 31 and 32.
 Over level 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

S 31 S 32
 ↑
 1926

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. 29, 30, 31 and 32, brass cap marked

T 4 N R 15 W
 S 30 | S 29
 S 31 | S 32
 1926

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.

East, on random line, bet. secs. 29 and 32.
 40.00 Set temp. 1/4 sec. cor.
 79.96 Fall 7 lks. N. of cor. of secs. 28, 29, 32 and 33.
 Thence
 N. 89° 57' W., on true line, bet. secs. 29 and 32.
 Over level land, thru scattering undergrowth.
 39.98 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 15 West.

Chains

$$\frac{1}{4} \frac{\$ 29}{\$ 32}$$
 1926

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

- 79.96 The cor. of secs. 29, 30, 31 and 32.
Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote and sage brush and cactus.

- 40.00 N. 89° 58' W., on random line, bet. secs. 30 and 31.
Set temp. $\frac{1}{4}$ sec. cor.

- 78.65 Intersect the cor. of secs. 25, 30, 31 and 36, on the
west bdy. of township, hereinbefore described.

Thence

S. 89° 58' E., on true line, bet. secs. 30 and 31.

Over level land, thru scattering undergrowth.

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

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

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

- 78.65 The cor. of secs. 29, 30, 31 and 32.
Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, creosote brush.

N. 0° 3' W., on a true line, bet. secs. 29 and 30.

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

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

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

$$\begin{array}{c} T 4 N \quad R 15 W \\ \$ 19 \quad | \quad \$ 20 \\ \$ 30 \quad | \quad \$ 29 \\ 1927 \end{array}$$

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 and sage brush, scrub mesquite and
cactus.

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains East, on random line, bet. secs. 20 and 29.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.80 Intersect the cor. of secs. 20, 21, 28 and 29.
 Thence
 West, on true line, bet. secs. 20 and 29.
 Over level land, thru scattering undergrowth.
 39.90 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
 ground for $\frac{1}{4}$ sec. cor., brass cap marked

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

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

N. 89° 58' W., on random line, bet. secs. 19 and 30.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.61 Intersect the cor. of secs. 19, 24, 25 and 30, on W. bdy.
 of township, hereinbefore described.
 Thence
 S. 89° 58' E., on true line, bet. secs. 19 and 30.
 Over level land, thru scattering undergrowth.
 4.91 Road, bears NE. and SW.
 38.61 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
 ground for $\frac{1}{4}$ sec. cor., brass cap marked

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

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

N. 0° 3' W., on true line, bet. secs. 19 and 20.
 Over level land, thru scattering undergrowth.
 36.50 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

$\frac{1}{4}$ $\frac{S 19}{S 20}$
 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. 17, 18, 19 and 20, brass
 cap marked

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains

T 4 N R 15 W

S 18 | S 17

S 19 | S 20

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.

N. 89° 57' E., on random line bet. secs. 17 and 20.

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

79.78 Intersect cor. of secs. 16, 17, 20 and 21.

Thence

S. 89° 57' W., on true line, bet. secs. 17 and 20.

Over level land, thru scattering undergrowth.

39.89 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

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

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

Land, level.

Soil, sandy loam, 1st rate.

Timber, none.

Undergrowth, creosote and sage brush and cactus.

N. 89° 56' W., on random line, bet. secs. 18 and 19.

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

78.61 Intersect the cor. of secs. 13, 18, 19 and 24, on the west bdy. of township, hereinbefore described.

Thence

S. 89° 56' E., on true line, bet. secs. 18 and 19.

Over level land, thru scattering undergrowth.

38.61 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

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

50.61 Road, brs. NE. and SW.

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

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 15 West.

Chains N. 0° 3' W., on true line, bet. secs. 17 and 18.
 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

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

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,
 3 ft. dist.
 45.30 Road, brs. NE. and SW.
 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 15 W
 S 7 | S 8
 S 18 | S 17
 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.

40.00 East, on random line, bet. secs. 8 and 17.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.84 Intersect the cor. of secs. 8, 9, 16 and 17.
 From this cor. windmill at desert well, brs. N. 13° 45' W.
 SW. cor. of grocery store bears N. 13° 06' W.

Thence
 West, on true line, bet. secs. 8 and 17.
 Over level land, thru scattering undergrowth.
 39.92 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

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,
 3 ft. dist.
 55.14 Road, brs. NE. and SW.
 79.84 The cor. of secs. 7, 8, 17 and 18.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, creosote and sage brush.

40.00 N. 89° 54' W., on random line, bet. secs. 7 and 18.
 Set temp. $\frac{1}{4}$ sec. cor.
 78.52 Intersect the cor. of secs. 7, 12, 13 and 18, on the
 west bdy. of township, hereinbefore described.
 Thence
 S. 89° 54' E., on true line, bet. secs. 7 and 18.
 Over level land, thru scattering undergrowth.

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains

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

$$\frac{1}{4} \frac{S 7}{S 18}$$

1927

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

78.52 The cor. of secs. 7, 8, 17 and 18.

Land, level.

Soil, sandy loam, 1st rate.

Timber, none.

Undergrowth, creosote brush.

N. 0° 3' W., on true line, bet. secs. 7 and 8.

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

$$S 7 \frac{1}{4} S 8$$

1927

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

44.60 Quartzsite and Vicksburg Road, brs. NE. and SW.

45.40 Dim road, bears NW. and SE.

80.00 Set an iron post, 3 ft. long; 2 ins. in diam., 27 ins. in ground for cor. of secs. 5, 6, 7 and 8, brass cap marked

$$\begin{array}{cc} T 4 N & R 15 W \\ S 6 & S 5 \\ S 7 & S 8 \\ 1927 \end{array}$$

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 and adobe, 1st rate.

Timber, none.

Undergrowth, creosote and sage brush.

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

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

79.78 Intersect cor. of secs. 4, 5, 8 and 9.

Thence

West, on true line, bet. secs. 5 and 8.

Over level land, thru scattering undergrowth.

5.08 Wire fence, brs. N. and S.

39.16 House brs. south 120 lks.

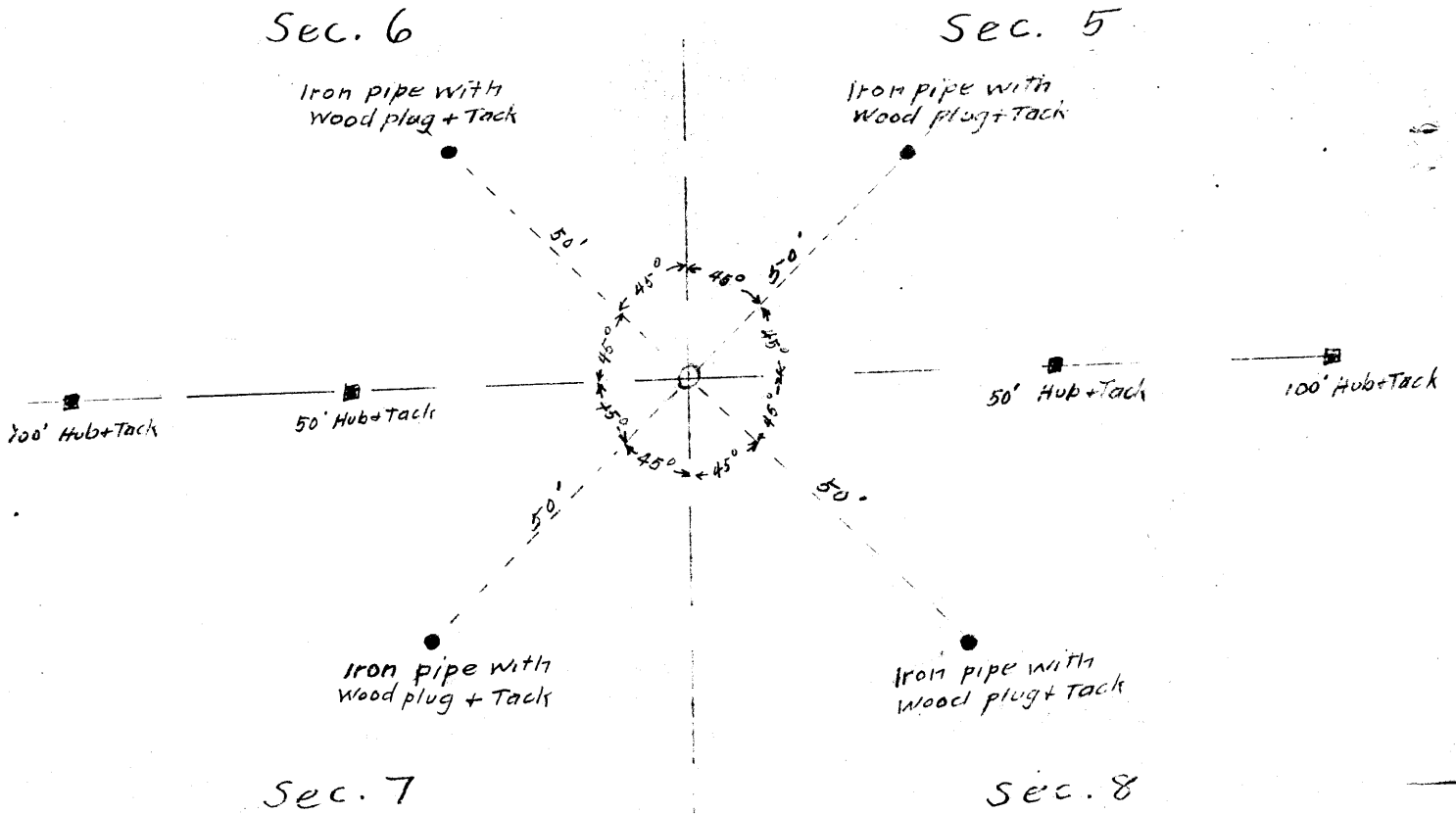
39.89 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for $\frac{1}{4}$ sec. cor., brass cap marked

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

1927

Ties to Sec. Cor. Secs. 5-6-7-8 T4N.-R.15W. which was lowered
to approx. 4" below bottom of ditch.

T4N. R.15W.



I hereby certify that
this is a true copy
of original notes,
A.W. Newhall, Res. Engr.,
Ariz. Hwy. Dept.



April 21, 1933

A.W. Newhall Res. Engr.
F.M. Griswold Transit
J.D. Bowers Chain
L.J. Entekin Chain

Survey of Subdivisional Lines of Township 4 North, Range 15 West.

Chains Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,
3 ft. dist.
79.78 The cor. of secs. 5, 6, 7 and 8.
Land, level.
Soil, adobe, 1st rate.
Timber, none.
Undergrowth, creosote brush and scrub mesquite..

N. 89° 54' W., on random line, bet. secs. 6 and 7.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
78.54 Intersect the cor. of secs. 1, 6, 7 and 12, on W. bdy.
of township, hereinbefore described.

Thence
S. 89° 54' E., on true line, bet. secs. 6 and 7.
Over level land, thru scattering undergrowth.
35.04 SE. cor. of house brs. N. 15.60 chs. dist.
38.54 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
ground for $\frac{1}{4}$ sec. cor., brass cap marked

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

Dig pits 18 x 18 x 12 ins., one each E. and W. of cor.,
3 ft. dist.
41.04 Road, brs. NW. and SE.
48.74 SE. cor. of house, brs. N., 14.50 chs. dist.
78.54 The cor. of secs. 5, 6, 7 and 8.
Land, level.
Soil, adobe, 1st rate.
Timber, none.
Undergrowth, creosote brush and scrub mesquite.

N. 0° 3' W., on true line, bet. secs. 5 and 6.
Over flow land, course NW., 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 6 $\frac{1}{4}$ S 5
1927

Dig pits 18 x 18 x 12 ins., one each N. and S. of cor.,
3 ft. dist.
75.80 Intersect First Standard Parallel North, S. 89° 50' W.,
4.22 chs. from std. cor. of secs. 32 and 33,
T. 5 N., R. 15 W, hereinbefore described.
Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins.
in ground for closing cor. of secs. 5 and 6, brass
cap marked

T 5 N R 15 W
S 32
S 6 | S 5
T 4 N R 15 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, adobe, 1st rate.
 Timber, none.
 Undergrowth, creosote brush and scrub mesquite.

The continued satisfactory adjustment of the solar apparatus of the instruments used in the execution of the surveys described in the foregoing notes is indicated from field tests described in Books "E", "H" and "I" of this group.

GENERAL DESCRIPTION.

This land is nearly level for the whole township, except sections 9 and 10 which are gently rolling, and a malpais hill situated in sections 1 and 12. The Bouse Wash runs thru the township from the southeast corner and leaves thru sections 4 and 5. It has no well defined channels.

The soil is sandy loam and adobe, 1st rate.

The undergrowth consists of creosote and sage brush, scrub mesquite and cactus; with scattering bunch grass on the overflow land.

There are two good wells in this township: Bradford's well in Sec. 36, and Desert Well in Sec. 8. There is a grocery store in the NE $\frac{1}{4}$ of Sec. 8.

There are about 25 homesteaders in this township.

No indications of mineral were observed in this township.

Mean magnetic declination 15° E.

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 J. Maxwell	Moundman
Elza D. Minton	Axman

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 North Boundary and

Subdivision Lines of

Township 4 North, Range 15 West of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented in

and by diagram on page 1 hereof the foregoing field notes 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 Instruc-

tions, 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 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

William H. Thorn, U.S. Cadastral Engineer

NAMES.	CAPACITY.
James Shine	1st Chainman
Albert L. Bailey	2nd Chainman
George M. Tucker	Flagman
George B. Stangenberger	Moundman
Leroy Ballantyne	Axman

BOOK 3789

CERTIFICATE OF U.S. CADASTRAL ENGINEER.

I, William H. Thorn, U.S. Cadastral Engineer, 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, RETRACED all those parts or portions of the First Standard Parallel North in Ranges 14 and 15 West and SURVEYED all those parts or portions of the East Boundary and West Boundary of Township 4 North, Range 15 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 retracement and 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 retracement and survey.

Place: Phoenix, Arizona,

Date: April 16, 1927.

William H. Thorn
U.S. Cadastral Engineer

APPROVAL.

OFFICE OF THE U.S. SUPERVISOR OF SURVEYS,

Denver, Colo., DEC. 10, 1927

The foregoing field notes of the RETRACEMENT of the First Standard Parallel North thru Range 15 West, and thru Part of Range 14 West and of the SURVEY of

the East Boundary West Boundary

North Boundary and Subdivision Lines of

Township 4 North, Range 15 West

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

executed by William H. Thorn, U.S. Cadastral Engineer & Otis O. Gould, U.S. Transitman

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 retracements and surveys they describe, are hereby approved.

Paul M. Plinson
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.