

3243

297
1

Book "B"

4-679

(Subdivisions)

BOOK 3243

FIELD NOTES

OF THE SURVEY OF THE

Completion of the Subdivision Lines of

TOWNSHIP 25 NORTH, RANGE 17 WEST,

and

All of the Subdivision Lines of

TOWNSHIP 25 NORTH, RANGE 18 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Sidney E. Blout, and E. J. Lange, U.S. Surveyors,

and

S. Frank Walters, U. S. Traditman,

~~In the capacity of U. S. Surveyor~~, under instructions dated January 7,, 1915,
issued by the United States Surveyor General to govern surveys included in
Group No. 45, which were approved by the Commissioner of the General Land
Office, January 26,, 1915.

Survey commenced December 6,, 1915.

Survey completed January 11,, 1916.

Executed under Assignment

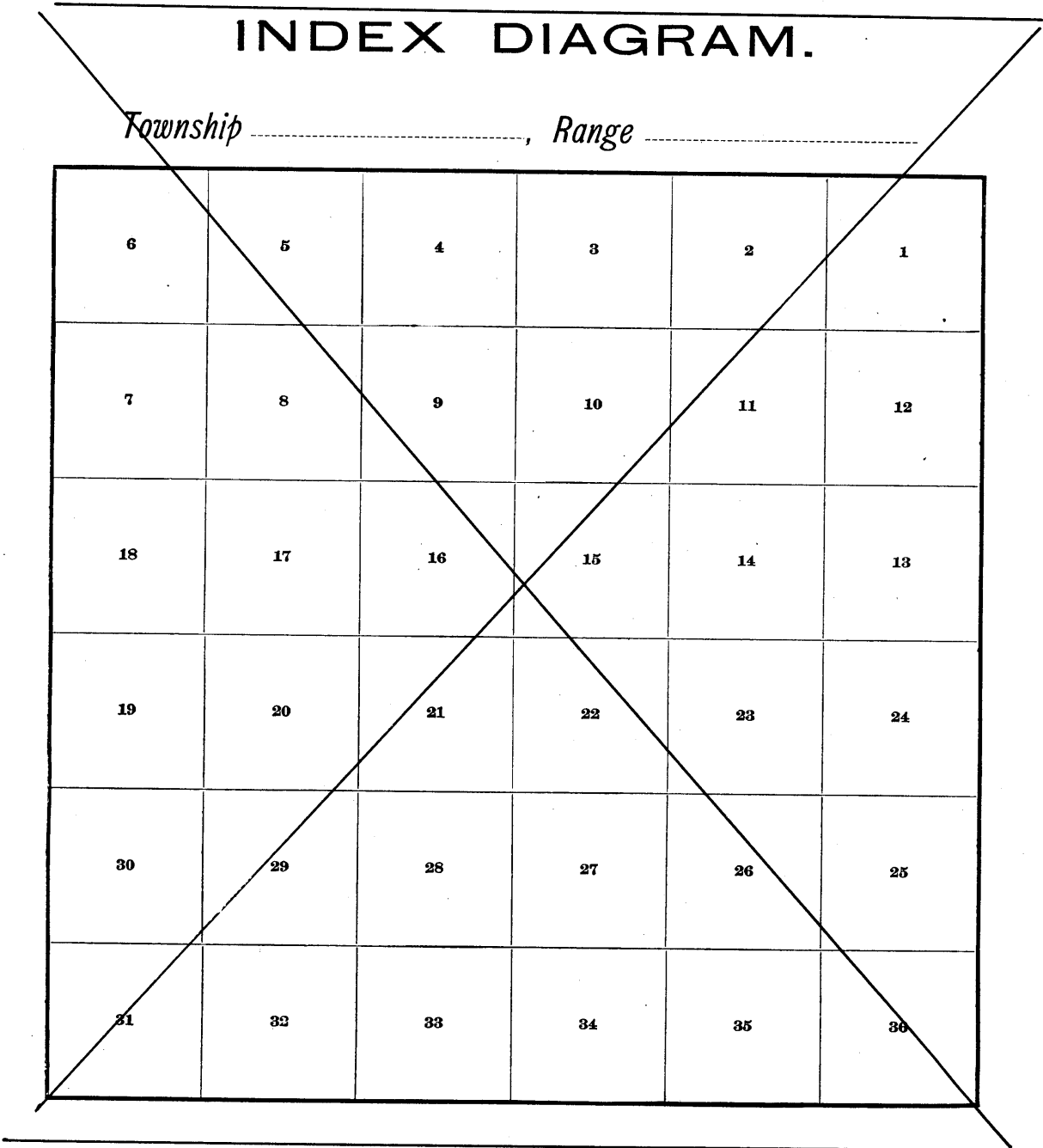
Instructions dated Nov. 29, 1915, and Dec. 10, 1915.

3243

3243

Book "B"
Group 45 - Arizona.

SPECIAL INDEX DIAGRAM.



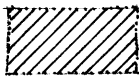
Book "B"


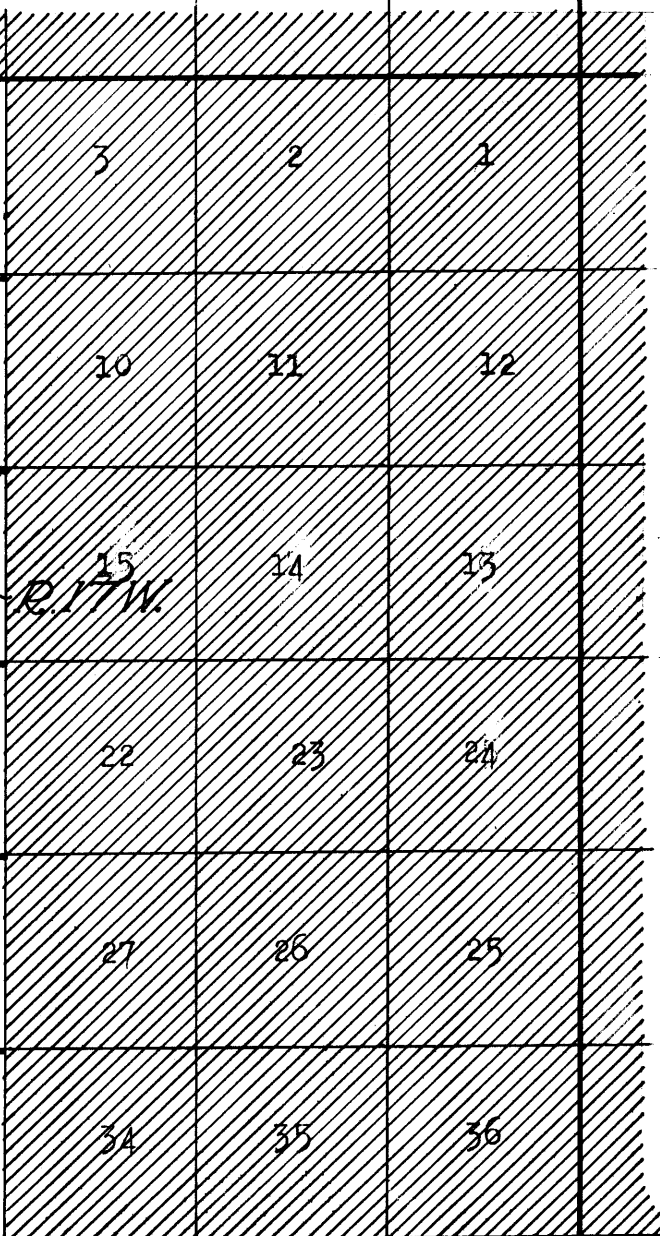
GROUP 45 ~ ARIZONA






SPECIAL,
INDEX,
DIAGRAM.

Part I

| | |
|---------------------------------------|--------------------------------------|
| T.25N.-R.18W. Index Diagram Page 2 | T.25N.-R.17W. Index Diagram below |
|---------------------------------------|--------------------------------------|

 Area surveyed as per accepted plats on file.

| | | | | | | | |
|--|-------|------|---------------------------------|---|----|----|--|
|  | | | | | | | |
| | 6 16 | 5 8 | 4 | 3 | 2 | 1 | |
| | 15 | 15 | 8 |  | | | |
| | 7 15 | 8 8 | 9 | | | | |
| | 14 | 14 | 7 | | | | |
| | 18 13 | 17 7 | 16 <i>T.25N.-R.17W.</i> 6 | | | | |
| | 13 | 12 | | | | | |
| | 19 12 | 20 6 | 21 | | | | |
| | 11 | 11 | 5 | | | | |
| | 30 10 | 29 5 | 28 | | | | |
| | 10 | 10 | 5 | | | | |
| | 31 9 | 32 4 | 33 | 34 | 35 | 36 | |
| 1 | 6 | 5 | 4 | 3 | 2 | 1 | |

-  Subdivision lines surveyed under this group.
-  Township boundaries resurveyed under this group.
Notes in Book "A"
-  Standard lines resurveyed under this group.
Notes in Book "A."
-  Accepted surveys.
-  Surveyed under current group No.44.


Book "B"


Group 45 - - - - Arizona.

SPECIAL INDEX DIAGRAM.






Part II.

BOOK 3243

 Area surveyed as per accepted plats on file.

| | | | | | | | | | | |
|----|----|----|------|----------|----------|-------|----|----|----|---|
| | | | | | | | | | |  |
| 6 | 50 | 5 | 42 | 4 | 30 | 3 | 30 | 2 | 24 | 1 |
| 50 | | 49 | | 42 | | 36 | | 29 | | 24 |
| 7 | 48 | 8 | 47 | 9 | 39 | 10 | 29 | 11 | 23 | 12 |
| 48 | | 48 | | 41 | | 34 | | 28 | | 23 |
| 18 | 47 | 17 | 40 | 16 | 34 | 15 | 28 | 14 | 22 | 13 |
| 47 | | 46 | | 40 | | 33 | | 27 | | 21 |
| 19 | 45 | 20 | 39 | 21 | 33 | 22 | 27 | 23 | 21 | 24 |
| 45 | | 44 | | 39 | | 32 | | 26 | | 20 |
| 30 | 44 | 29 | 38 | 28 | 31 | 27 | 26 | 26 | 30 | 25 |
| 43 | | 43 | | 37 | | 31 | | 25 | | 19 |
| 31 | 42 | 32 | 37 | 33 | 30 | 34 | 24 | 35 | 19 | 36 |
| | | | 6th. | Standard | Parallel | North | | | | |
| 6 | 5 | 4 | 3 | 2 | 1 | | | | | |

T. 25N. R. 18W.

-  Subdivision lines surveyed under this group.
-  Township bdrs. resurveyed un this group.
Notes in book "A"
-  Standard lines resurveyed under this group.
Notes in Book "A."
-  Accepted surveys.
-  Surveyed under current group No.44.

Chains.

Survey executed on dates, shown on pages 53 & 57 hereof, by Sidney E. Blout, U. S. Surveyor, and S. Frank Walters, U. S. Transitman, with Young and Sons' light mountain transits Nos. 8532 and 8545, respectively; with Smith solar attachments. The horizontal limb of each transit 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 verniers of the latitude and declination arcs.

These instruments were approved Nov. 29, 1915, by the Assistant Supervisor of Surveys for Arizona and California, conditional upon satisfactory field performance. In the completion of this township, and the survey of the other townships of this group, slope measurements were made, slope angles read with the clinometer, and the correct horizontal distance computed for each item of topography.

In the following field notes, the initials S.E.B. & S.F.W. are inserted at the beginning & ending of those portions of the notes describing surveys executed by Sidney E. Blout, U.S. Surveyor, & S. Frank Walters, U.S.T., respectively.

S. E. B. I examine the adjustments of transit No. 8532, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian established by observations on Polaris, I proceed as follows:

Dec. 5, 1915,

At my camp, which is located at the old Thompson ranch, about one mile south of the standard cor. of secs. 33 and 34, T. 25 N., R. 17 W., latitude 35° 29' N., long. 114° 5' W., at 5 hrs. 16 m., a.m., by my watch, which is 1m slow of correct local mean time, I observe Polaris in accordance with the Manual of Instructions and mark the direction thus determined by a tally pin driven in a stake set in the ground, about 5 chs. N. of my instrument.

| | |
|--|---------------|
| Local mean time of upper culmination of Polaris, Dec. 4, for Greenwich Meridian, Civil date and mean time | 8 hrs. 39.9 m |
| Correction for longitude | <u>-1.2</u> |
| Time of upper culmination of polaris, local meridian | 8 hrs. 38.7 m |
| Hour angle of polaris at observation | 8 hrs. 38.3 m |
| Azimuth of Polaris | 1° 4' W. |

At 8 hrs. 0 m., a.m., l.m.t., I lay off the azimuth of Polaris, 1° 4' to the east, and mark the meridian thus determined by a tally pin driven in a stake set in the ground, about 5 chs. N. of my instrument.

At 8 hrs. 51 m., a.m., l.m.t., I set off 35° 29' N. on the lat. arc; 22° 16' S. on the decl. arc; and determine a meridian with the solar, and mark a point therein by a nail driven in a stake already set 5 chs. N. of my instrument, on which the solar meridian falls 0.6 ins. W. of the meridian established by Polaris observation.

At apparent noon, I set off 22° 17½' S. on the decl. arc; and observe the sun on the meridian; the resulting lat. is 35° 29' N., nearly.

At 2 hrs. 51 m., p.m., l.m.t., I set off 35° 29' N. on the lat. arc; 22° 18' S. on the decl. arc; and determine a meridian with the solar and mark a point therein by a nail driven in the stake set about 5 chs. N. of my instrument. This point falls 0.7 ins. E. of the meridian determined by observation on Polaris.

The solar apparatus, by a.m. and p.m. observations, defines position for meridian, respectively about 0' 31" W. and 0' 37" E. of the meridian established by the Polaris observation; therefore, I conclude that the adjustments

Completion of T. 25 N., R. 17 W.

Chains.

of the instrument are satisfactory. S. E. B.

S. F. W.
 Using transit No. 8545, and the meridian determined by S. E. B., previously described, at 8 hrs. 58 m., a.m. l.m.t., I set off 35° 29' N. on the lat. arc; 22° 16' S. on the decl. arc; and determine a meridian with the solar. The meridian thus determined coincides with the meridian determined by observation on Polaris.
 At apparent noon, I set off 22° 17½' S. on the decl. arc; and observe the sun on the meridian; the resulting lat. is 35° 29' N.
 At 2 hrs. 57 m., p.m., l.m.t., I set off 35° 29' N. on the lat. arc; 22° 18' S. on the decl. arc; and determine a meridian with the solar. The meridian thus determined coincides with the meridian determined by observation on Polaris.
 The solar apparatus, by a.m. and p.m. observations, define positions for meridians which coincide with the meridian determined by observation on Polaris; therefore I conclude that the adjustments of the instrument are satisfactory.
 S. F. W.
 Dec. 6, 1915.

Dec. 6, 1915: S. E. B.
 At 9 hrs. 0 m., a.m., l.m.t., I set off 35° 30½' N. on the lat. arc; 22° 23½' S. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 32 and 33, on the S. side of Tpr. (6th. Std. Parallel N.) which is an iron post 3 ins. in diam., properly set, marked & witnessed as described by surveyor general. (reestab. in 1913).

Thence
 N. 0° 3' W., bet. secs. 32 and 33.
 Over gently rolling land, through low brush.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap
 1915 on S. rim;
 ¼ S32 in W. and
 S33 in E. half;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 44.00 Wash, 50 lks. wide, course E.
 68.00 Wash, 15 lks. wide, course E.
 70.00 Asc. S. slope, 115 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground, in a mound of stone, for cor. of secs. 28, 29, 32 and 33, marked on brass cap
 1915 on S. rim;
 T25N R17W in N. half;
 S29 in NW.,
 S28 in NE.,
 S33 in SE. and
 S32 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, gently rolling.
 Soil, gravelly, 2nd rate; and rocky 3rd rate.
 No timber.
 Underbrush, greasewood, rabbit brush and cacti.
 Dec. 11, 1915: At this cor., I set off 22° 25' S. on the decl. arc; and observe the sun on the meridian; the resulting lat. is 35° 31' N.

40.00 East on a random line, bet. secs. 28 and 33.
 Set temp. ¼ sec. cor.

Completion of T. 25 N., R. 17 W.

5

| | |
|---------|--|
| Chains. | |
| 79.96 | Intersect N. and S. line, 28 lks. N. of the cor. of secs. 27, 28, 33 and 34, which is an iron post, 2 ins. diam. properly set, marked and witnessed as described by the Surveyor-General. |
| | Thence |
| | N.89° 48' W., on a true line, bet. secs. 28 and 33. |
| | Over broken land, through scattering undergrowth. |
| | Asc. 40 ft. to |
| 4.50 | Top of spur, slopes S. Desc. 345 ft. to |
| 34.95 | Foot of desc.; thence over rolling land. |
| 39.98 | Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap |
| | 1915 on S. rim; |
| | $\frac{1}{2}$ S28 in N. and |
| | S33 in S. half; |
| | and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. |
| 50.85 | Leave rolling land, asc. 260 ft. to |
| 65.20 | Thence along top of rim rock, 20 ft. high, brs. E. and W. |
| 67.70 | Leave rim rock; desc. 160 ft. to |
| 79.96 | The cor. of secs. 28, 29, 32 and 33. |
| | Land, rolling and broken. |
| | Soil, rocky; 3rd rate. |
| | No timber. |
| | Undergrowth, rabbit brush, cacti and catclaw. |
| | |
| | N.0° 3' W., bet. secs. 28 and 29. |
| | Over mountainous land, through scattering undergrowth. |
| | Asc. 195 ft. to |
| 5.17 | Top of spur, brs. S.85° E. Desc. 460 ft. to |
| 32.94 | Foot of slope; thence over gently rolling land. |
| 40.00 | Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap |
| | 1915 on S. rim; |
| | $\frac{1}{2}$ S29 in W. and |
| | S28 in E. half; |
| | and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. |
| 41.50 | Wash, 25 lks. wide, course N.45° E. |
| 71.00 | Wash, 30 lks. wide, course N.45° E. |
| 80.00 | Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, marked on brass cap |
| | 1915 on S. rim; |
| | T25N R17W in N. half; |
| | S20 in NW., |
| | S21 in NE., |
| | S28 in SE. and |
| | S29 in SW. quadrant; |
| | and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. |
| | Land, south half, mountainous; north half; gently rolling. |
| | Soil, rocky; 3rd rate and gravelly; 2nd rate. |
| | No timber. |
| | Undergrowth, rabbit brush, cacti and cat claw. |
| | |
| | S.89° 48' E., on a random line, bet. secs. 21 and 28. |
| 40.00 | Set temp. $\frac{1}{4}$ sec. cor. |
| 80.03 | Intersect N. and S. line, 19 lks. N. of the cor. of secs. 21, 22, 27 and 28, which is an iron post, 2 ins. diam., properly set, marked and witnessed as described by the Surveyor-General. |
| | Thence |
| | N.89° 40' W., on a true line, bet. secs. 21 and 28. |
| | Over mountainous land, through scattering undergrowth. |
| | Asc. 10 ft. to |

6

Completion of T. 25 N., R. 17 W.

| | |
|---------------------|--|
| Chains. | |
| .74 | Spur, extends 40 chs. N. Desc. 315 ft. to |
| 30.00 | Asc. 120 ft. |
| 40.01 $\frac{1}{2}$ | Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S21 in N. and S28 in S. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. |
| 44.70 | Spur, slopes N. 15 chs. Desc. 180 ft. to |
| 52.80 | Wash, 30 lks. wide, course N.30° E. Thence over gently rolling land. |
| 70.45 | Wash, 50 lks. wide, course N.45° E. |
| 80.03 | The cor. of secs. 20, 21, 28 and 29. Land, rolling and mountainous. Soil, rocky; 3rd rate. No timber. Undergrowth, rabbit brush, cacti and cat claw. S. E. B. |
| S. E. W. | |
| 40.00 | N.0° 3' W., bet. secs. 20 and 21. Over level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S20 in W. and S21 in E. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. |
| 46.00 | Asc. S. slope, 450 ft. to |
| 65.70 | Spur, slopes SE. Desc. 215 ft. to |
| 80.00 | Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, marked on brass cap 1915 on S. rim; T25N R17W in N. half; S17 in NW., S16 in NE., S21 in SE. and S20 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, rolling and mountainous. Soil, 2nd and 4th rate. No timber. Undergrowth, cat claw and cacti. |
| 40.00 | S.89° 40' E., on a random line, bet. secs. 16 and 21. Set temp. $\frac{1}{4}$ sec. cor. |
| 79.98 | Intersect N. and S. line, 11 lks. S. of the cor. of secs. 15, 16, 21 and 22, which is an iron post, 2 ins. diam. properly set, marked and witnessed as described by the Surveyor-General. Thence |
| 20.00 | N.89° 45' W., on a true line, bet. secs. 16 and 21. Over rolling land, through scattering undergrowth. Road, hrs. NW. to Cane Springs and SE. to Kingman. |
| 23.70 | Wash, course NE. |
| 39.99 | Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S16 in N. and S21 in S. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. |

Completion of T. 25 N., R. 17 W.

Chains.

50.00 Asc. 120 ft. to
 58.60 Spur, slopes NE. Desc. 70 ft. to
 65.00 Thence over rolling land.
 70.00 Asc. 70 ft. to
 79.98 The cor. of secs. 16, 17, 20 and 21.
 Land, rolling and mountainous.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, cacti and cat claw.

S. F. W.

Dec. 9, 1915: S. E. B.
 At 8 hrs. 15 m., a.m., l.m.t., I set off 35° 33' N. on the
 lat. arc; 22° 42' S. on the decl. arc; and determine a
 meridian with the solar at the cor. of secs. 16, 17, 20
 and 21.
 Thence
 N.0° 3' W., bet. secs. 16 and 17.
 Over mountainous land, through scattering undergrowth.
 Desc. 120 ft. to
 5.00 Asc. 75 ft. to
 10.55 Spur, slopes N.80° E. 20 chs. Desc. NW. slope, 240 ft. to
 29.93 Foot of desc;; thence over rolling land.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S17 in W. and
 S16 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 51.30 Wash, 25 lks. wide, course E.
 60.60 Road, brs. NW. to Cane Springs, and SE. to Kingman.
 80:00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 8, 9, 16 and 17, marked on
 brass cap
 1915 on S. rim;
 T25N R17W in N. half;
 S8 in NW.,
 S9 in NE.,
 S16 in SE. and
 S17 in SW. quadrant;
 dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist.;
 and raise a mound of earth, 4 ft. base, 2 ft. high,
 W. of cor.
 Land, mountainous and rolling.
 Soil, rocky; 3rd rate; and gravelly; 2nd rate.
 No timber.
 Undergrowth, rabbit brush, cat claw and cacti.

40.00 S.89° 45' E., on a random line, bet. secs. 9 and 16.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.76 Intersect N. and S. line, 23 lks. S. of the cor. of secs.
 9, 10, 15 and 16, which is an iron post, 2 ins. diam.,
 properly set, marked and witnessed as described by the
 Surveyor-General.
 Thence
 N.89° 55' W., on a true line, bet. secs. 9 and 16.
 Over level land, through scattering undergrowth.
 39.88 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S16 in N. and
 S16 in S. half;
 dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.
 high, N. of cor.

Completion of T. 25 N., R. 17 W.

| | |
|------------------|--|
| Chains. 79.76 | The cor. of secs. 8, 9, 16 and 17. Land, level. Soil, gravelly; 1st rate. No timber. Undergrowth, rabbit brush, cat claw and cacti. |
| 40.00 | N.0° 3' W., bet. secs. 8 and 9. Over level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S8 in W. and S9 in E. half; dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor. |
| 47.80 | Wash, 20 lks. wide, course E. |
| 80.00 | Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked on brass cap 1915 on S. rim; T25N R17W in N. half; S5 in NW., S4 in NE., S9 in SE. and S8 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, level. Soil, gravelly; 1st rate. No timber. Undergrowth, cat claw, rabbit brush and cacti. Doc. 2, 1915; on this cor. I set an iron post, 26 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked on brass cap and raised a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. |
| 40.00 | S.89° 55' E., on a random line, bet. secs. 4 and 9. Set temp. $\frac{1}{4}$ sec. cor. |
| 79.86 | Intersect N. and S. line, 2 lks. S. of the cor. of secs. 3, 4, 9 and 10, which is an iron post, 2 ins. diam., properly set, marked and witnessed as described by the Surveyor-General. Thence |
| 39.93 | N.89° 56' W., on a true line, bet. secs. 4 and 9. Over level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S4 in N. and S9 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. |
| 79.86 | The cor. of secs. 4, 5, 8 and 9. Land, level. Soil, gravelly; 2nd rate; and sandy 1st rate. No timber. Undergrowth, rabbit brush. No timber. |
| 40 00 | N.0° 3' W., on a random line, bet. secs. 4 and 5. Set temp. $\frac{1}{4}$ sec. cor. |
| 80.06 | Intersect N. bdy. of Tp., 14 lks. E. of the cor. of secs. 4, 5, 32 and 33, which is an iron post, 3 ins. diam., properly set, marked and witnessed as described by the |

Completion of T. 25 N., R. 17 W.

9

Chains.

Surveyor-General, (reestablished in 1912)
Thence,
S.0° 9' E., on a true line, bet. secs. 4 and 5.
Over level land, through scattering undergrowth.
40.06 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
brass cap
1915 on S. rim;
 $\frac{1}{4}$ S5 in W. and
S4 in E. half;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
42.30 Wash, 20 lks. wide, course N.25° E.
69.55 Center of wash, 70 lks. wide, course N.80° E.
77.15 Wash, 50 lks. wide, course E.
80.06 The cor. of secs. 4, 5, 8 and 9.
Land, level.
Soil, gravel and rock; 2nd rate.
No timber.
Undergrowth, greasewood, yucca, rabbit brush, cat claw and
cacti.
S. E. B.

Dec. 6, 1915: S. F. W.
At 9 hrs. 10 m. a.m., l.m.t., I set off 35° 30 $\frac{1}{2}$ ' N. on the
lat. arc; 22° 23 $\frac{1}{2}$ ' S. on the decl. arc; and determine a
meridian with the solar at the standard cor. of secs.
31 and 32, on S. bdy. of Tp. (6th Standard Parallel North),
which is an iron post 3 ins. in diam., properly set, marked
and witnessed as described by the surveyor general (re-
established in 1913). Thence,
N.0° 3' W., bet. secs. 31 and 32.
Over mountainous land, through scattering timber and under-
growth.
Desc. to
10.00 Gulch, course SE. Asc. 410 ft. to
34.50 Spur, brs. SE. Desc. NE. slope, 375 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S31 in W. and
S32 in E. half; from which
A pine, 12 ins. diam., brs. S. 6° E., 54 lks. dist.;
marked $\frac{1}{4}$ S32 BT.
A pine, 8 ins. diam., brs. S. 29° W., 180 lks. dist.;
marked $\frac{1}{4}$ S31 BT.
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
50.00 Gulch, course NE. Asc. 25 ft. to
52.60 Spur, slopes E. Desc. 25 ft. to
60.00 Gulch, course NE. Asc. 55 ft. to
66.30 Spur, slopes E. Desc. 40 ft. to
70.00 Thence across bottom of wash, course SE.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 29, 30, 31 and 32, marked on
brass cap
1915 on S. rim;
T25N R17W in N. half;
S30 in NW.,
S29 in NE.,
S32 in SE. and
S31 in SW. quadrant;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
Land, mountainous and rolling.
Soil, 2nd and 4th rate.
Timber, scattering pine.
Undergrowth, palo verde and cacti.

Chains.

Dec. 7, 1915: At this cor., I set off $22^{\circ} 35' N.$ on the decl. arc; and at convenient near, I also set the sun on the meridian; the resulting lat. is $35^{\circ} 31' N.$

40.00 East on a random line, bet. secs. 29 and 32.
Set temp. $\frac{1}{4}$ sec. cor.
79.99 Intersect N. and S. line, 9 lks. N. of the cor. of secs. 28, 29, 32 and 33.
Thence
N. $89^{\circ} 56' W.$, on a true line, bet. secs. 29 and 32.
Over rolling land, through scattering undergrowth.
39.99 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S29 in N. and
S32 in S. half;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
55.00 Leave rolling, enter broken land. Asc. to
58.20 Spur, slopes N. Desc. 85 ft. to
66.00 Head of gulch, course NE. Asc. 85 ft. to
75.50 Spur, slopes S. Desc. 35 ft. to
79.99 The cor. of secs. 29, 30, 31 and 32.
Land, rolling and broken.
Soil, 2nd and 4th rate.
No timber.
Undergrowth, cacti.

Dec. 8, 1915: At 8 hrs. 3 m., a.m., l.m.t., I set off $35^{\circ} 31' N.$ on the lat. arc; $22^{\circ} 35\frac{1}{2}' S.$ on the decl. arc; and determine a meridian with the solar at the cor. of secs. 29, 30, 31 and 32.
Thence
West on a random line, bet. secs. 30 and 31.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.15 Intersect W. bdy. of Tp., 9 lks. S. of the reestablished cor. of secs. 29, 30, 31 and 32, described in Book "A."
Thence
S. $89^{\circ} 56' E.$, on a true line, bet. secs. 30 and 31.
Over mountainous land, through scattering timber and undergrowth.
Desc. 410 ft.
40.15 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S30 in N. and
S31 in S. half;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
50.35 Gulch, course NE. Asc. 85 ft. to
64.15 Spur, slopes NE. Desc. 215 ft. to
75.15 Foot of desc.; thence across bottom of wash.
80.15 The cor. of secs. 29, 30, 31 and 32.
Land, mountainous.
Soil, 2nd and 4th rate.
Timber, scattering pine.
Undergrowth, scrub oak, cat claw and cacti.

N. $0^{\circ} 3' W.$, bet. secs. 29 and 30.
Over mountainous land, through scattering undergrowth.

Completion of T. 25 N., R. 17 W.

Chains.

11.40 Asc. 145 ft. to
 16.00 Spur, slopes NE. Desc. to
 25.00 Gulch, course E. Asc. 155 ft. to
 38.00 Spur, slopes SE. Desc. 200 ft. to
 40.00 Gulch, course NE. Asc. 20 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S30 in W. and
 S29 in E. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 55.00 Desc. 130 ft. to
 80.00 Wash, course E. Thence over rolling land.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 19, 20, 29 and 30, marked on
 brass cap
 1915 on S. rim;
 T25N R17W in N. half;
 S19 in NW.,
 S20 in NE.,
 S29 in SE. and
 S30 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling and mountainous.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, cat claw, and cacti.

40.00 S.89° 56' E., on a random line, bet. secs. 20 and 29.
 80.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
 20, 21, 28 and 29.
 Thence
 N.89° 53' W., on a true line, bet. secs. 20 and 29.
 Over rolling land, through scattering undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S20 in N. and
 S29 in S. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 80.00 The cor. of secs. 19, 20, 29 and 30.
 Land, rolling.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, cat claw and cacti.

Dec. 9, 1915: At this cor., I set off 22° 42' S. on the
 decl. arc; and at a point near, I observe the sun on
 the meridian; the resulting Dec. is 30° Dec. 2, 1915.
 Dec. 4, 1915.

Dec. 9, 1915: At 8 hrs. 0 m., a.m., l.m.t., I set off
 35° 32' N. on the lat. arc; 22° 42' S. on the decl. arc;
 and determine a meridian with the solar at the cor. of
 secs. 19, 20, 29 and 30,
 Thence I run
 N.89° 56' W., on a random line, bet. secs. 19 and 30.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.83 Intersect W. bdy. of Tp., 2 lks. N. of the reestablished
 cor. of secs. 19, 24, 25 and 30, and described in Book 10A #
 by B. B. B., as described in book "A".
 Thence I run
 S.89° 57' E., on a true line, bet. secs. 19 and 30.

12

Completion of T. 25 N., R. 17 W.

| | |
|---------------------|--|
| Chains | Over mountainous land, through scattering timber and undergrowth. Desc. 520 ft. to |
| 39.83 | Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S19 in N. and S30 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Desc. 215 ft. to |
| 79.83 | The cor. of secs. 19, 20, 29 and 30. Land, mountainous. Soil, rocky; 4th rate. Timber, scrub pine. Undergrowth, scrub oak, and cacti. |
| 20.00 | N.0° 3' W., bet. secs. 19 and 20. Over rolling land, through scattering undergrowth. Wash, course E. Asc. 55 ft. to |
| 25.00 | Desc. 70 ft. to |
| 40.00 | Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S19 in W. and S20 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Asc. 30 ft. to |
| 45.00 | Desc. to |
| 55.00 | Wash, course SE. Asc. 460 ft., over mountainous land, to |
| 77.50 | Ridge, brs. NW. and SE. Desc. 90 ft. to |
| 80.00 | Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked on brass cap 1915 on S. rim; T25N R17W in N. half; S18 in NW., S17 in NE., S20 in SE. and S19 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling and mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood and cacti. Mer. C, 1915: At this cor., I set off $22^{\circ} 45'$ S. on the decl. arc: and at apparent noon, I observe the sun on the meridian; the resulting lat. is $55^{\circ} 55'$ N. |
| 40.00 | S.89° 53' E., on a random line, bet. secs. 17 and 20. Set temp. $\frac{1}{4}$ sec. cor. |
| 79.75 | Intersect N. and S. line, 30 lks. S. of the cor. of secs. 16, 17, 20 and 21. Thence S.89° 54' W., on a true line, bet. secs. 17 and 20. Over mountainous land, through scattering undergrowth. Asc. to |
| 0.75 | Spur, slopes NW. Desc. 155 ft., along N. slope, to |
| 7.75 | Gulch, course N. Asc. 220 ft. to |
| 23.25 | Desc. 130 ft. to |
| 28.85 | Asc. 50 ft. to |
| 30.95 | Spur, slopes NE. Desc. 185 ft. |
| 39.87 $\frac{1}{2}$ | Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap |

Completion of T. 25 N., R. 17 W.

Chains.

1915 on S. rim;
1/4 S17 in N. and
S20 in S. half;
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
N. of cor.

Dec. 10, 1915: At 8 hrs. 0 m., a.m., l.m.t., I set off
35° 33' N. on the lat. arc; 22° 48' S. on the decl.
arc; and determine a meridian with the solar at the 1/4
sec. cor. bet. secs. 17 and 20.

Continue line and measurement.

49.75
79.75

Gulch, course NE. Asc. 595 ft. to
The cor. of secs. 17, 18, 19 and 20.
Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, scrub oak, ocotillo and cacti.

40.00
79.91

N. 89° 57' W., on a random line, bet. secs. 18 and 19.
Set temp. 1/4 sec. cor.
Intersect W. bdy. of Twp., 5 lks. S. of the reestablished
cor. of secs. 13, 18, 19 and 24, described in Book "A"

Thence
S. 89° 55' E., on a true line, bet. secs. 18 and 19.
Over mountainous land, through scattering undergrowth.

20.70
24.80
25.30
30.40
39.91

Desc. 165 ft. to
Stream of water, 4 lks. wide, in gulch, course NE. Asc.
to
Desc. to
Same gulch, course SE. Asc. to
Desc. 150 ft.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for 1/4 sec. cor., marked on brass cap
1915 on S. rim;
1/4 S18 in N. and
S19 in S. half;
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
N. of cor.

55.10
75.90
79.91

Gulch, course SE. Asc. 230 ft. to
Ridge, brs. NW. and SE. Desc. 90 ft. to
The cor. of secs. 17, 18, 19 and 20.
Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, ocotillo, scrub oak and cacti.

24.80
40.00

N. 0° 3' W., bet. secs. 17 and 18.
Over mountainous land, through scattering undergrowth.
Desc. 525 ft. to
Gulch, course SE. Asc. 490 ft.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for 1/4 sec. cor., marked on brass cap
1915 on S. rim;
1/4 S18 in W. and
S17 in E. half;

43.90
70.00
80.00

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor.
Spur, slopes NE. Desc. 430 ft. to
Center of wash, course E. Thence over rolling land.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the

14

Completion of T. 25 N., R. 17 W.

Chains.

ground, for cor. of secs. 7, 8, 17 and 18, marked on brass cap

1915 on S. rim;
T25N R17W in N. half;
S7 in NW.,
S8 in NE.,
S17 in SE. and
S18 in SW. quadrant;

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, rolling and mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, scrub oak, ocotillo and cacti.

Dec. 10, 1913: At this cor., I set a 5" 22" 22" 22" on the soil. and at a point 1/4 sec. S. of the cor. on the meridian; the resulting lat. is 35° 54' E.

40.00 N.89° 54' E., on a random line, bet. secs. 8 and 17.
Set temp. ¼ sec. cor.
79.80 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 8, 9, 16 and 17.

Thence

S.89° 52' W., on a true line, bet. secs. 8 and 17.

Over-level land, through scattering undergrowth.

13.80 Road, brs. NW. to Cane Springs and SE. to Kingman.

39.90 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

1915 on S. rim;
¼S8 in N. and
S17 in S. half;

and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

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

Land, level.

Soil, 2nd and 4th rate.

No timber.

Undergrowth, greasewood and cacti.

40.00 N.89° 55' W., on a random line, bet. secs. 7 and 18.
Set temp. ¼ sec. cor.

79.83 Intersect W. ody. of Tp., 14 lks. S. of the reestablished corner of secs. 7, 12, 13 and 18, described in Book "A."

Thence

S.89° 49' E., on a true line, bet. secs. 7 and 18.

Over rolling land, through scattering undergrowth.

Desc. 80 ft. to

14.85 Wash, course SE. Thence over level land.

39.83 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

1915 on S. rim;
¼S7 in N. and
S18 in S. half;

and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

65.80 Leave level land. Desc. 145 ft. to

79.83 Center of wash, course SE. Asc. slightly to

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

Land, level and rolling.

Soil, 2nd and 4th rate.

No timber.

Undergrowth, greasewood and cacti.

Dec. 10, 1913.

Chains.

Dec. 11, 1915: At 8 hrs. 30 m., a.m., l.m.t., I set off
 $35^{\circ} 34'$ N. on the lat. arc; $22^{\circ} 54\frac{1}{2}'$ S. on the decl.
 arc; and determine a meridian with the solar at the
 cor. of secs. 7, 8, 17 and 18.

Thence
 $N.0^{\circ} 3'$ W., bet. secs. 7 and 8.
 Over mountainous land, through scattering undergrowth.
 Asc. 330 ft. to
 21.70 Spur, slopes SE. Desc. 65 ft. to
 25.00 Gulch, course NE. Asc. 115 ft. to
 36.00 Ridge, brs. NE. and SW. Desc. 280 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S7 in W. and
 S8 in E. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.

57.00 Foot of desc.; thence over rolling land.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
 the ground, for cor. of secs. 5, 6, 7 and 8, marked on
 brass cap
 1915 on S. rim;
 T25N R17W in N. half;
 S6 in NW.,
 S5 in NE.,
 S8 in SE. and
 S7 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.

Land, rolling and mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, mat claw and cacti.

40.00 N. $89^{\circ} 52'$ E., on a random line, bet. secs. 5 and 8.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.80 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
 4, 5, 8 and 9.
 Thence,
 S. $89^{\circ} 55'$ W., on a true line, bet. secs. 5 and 8.
 Over level land, through scattering undergrowth.
 39.90 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S5 in N. and
 S8 in S. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.

61.80 Road, brs. NW. to Cane Springs and SE. to Kingman.
 79.80 The cor. of secs. 5, 6, 7 and 8.
 Land, level.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, greasewood and cacti.

40.00 N. $89^{\circ} 49'$ W., on a random line, bet. secs. 6 and 7.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.75 Intersect W. bdy. of Tp., 7 lks. N. of the reestablished
 cor. of secs. 126, 7 and 12, described in Book "A."
 Thence
 S. $89^{\circ} 52'$ E., on a true line, bet. secs. 6 and 7.

14.16

Completion of T. 25 N., R. 17 W.

Chains.

Over rolling land, through scattering undergrowth.
Desc. 345 ft.

39.75 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S6 in N. and
S7 in S. half;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.

55.75 Leave rolling, thence over level land.

79.75 The cor. of secs. 5, 6, 7 and 8.
Land, level and rolling.
Soil, 2nd and 4th rate.
No timber.
Undergrowth, cat claw and cacti.

40.00 N.0° 3' W., on a random line, bet. secs. 5 and 6.
Set temp. $\frac{1}{4}$ sec. cor.

80.12 Intersect N. bdy. of Tp., 25 lks. E. of the cor. of secs. 5, 6, 31 and 32, which is an iron post, 3 ins. diam., properly set, marked and witnessed as described by the Surveyor-General. (Reestablished in 1912).
Thence
S.0° 14' E., on a true line, bet. secs. 5 and 6.
Over rolling land, through scattering undergrowth.
Road, brs. NW. to Cane Springs and SE. to Kingman.

10.70 Wash, course NE.

30.00

40.12 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S6 in W. and
S5 in E. half;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.

61.10 Wash, course NE.

80.12 The cor. of secs. 5, 6, 7 and 8.
Land, rolling.
Soil, 2nd and 4th rate.
No timber.
Undergrowth, greasewood, cat claw and cacti.

S. F. W.

GENERAL DESCRIPTION.

S.E.B. and S.F.W.
The western half of this township consists largely of level and rolling land, with rugged, jagged spurs, sloping easterly from high mountains in the township west of this. The soil is rocky, 3rd and 4th rate on the slopes, and gravelly, 2nd rate on the rolling and level land. Undergrowth consists of greasewood, ocotillo, scrub oak and cacti. There are a few scattering scrub pine trees on the highest mountains.

There are no settlers, nor is there any developed water in the township. A road runs through the township from Cane Springs in the township north, to Kingman.

S.E.B. and S.F.W.

N. C. Surveyor.

N. C. Surveyor.

Chains.

Survey executed on dates shown on pages 53, 55 and 57 hereof, by Sidney E. Blout and E. J. Lange, U. S. Surveyors, and S. Frank Walters, U. S. Transitman using Young and Sons' light mountain transits Nos. 8532, 8524 and 8489, respectively. Instrument 8532 is hereinbefore described with record of test and approval. Instrument No. 8489 was approved Nov. 29, 1915, and Instrument No. 8524 was approved Dec. 12, 1915, both by the Assistant Supervisor of Surveys for Arizona and California, conditional upon satisfactory field performance.

Instrument No. 8489 and Instrument No. 8524, both have Smith solar attachment, and the horizontal limb of each transit 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 verniers of the latitude and declination arcs.

In the following notes, the initials "S. E. B.," "E. J. L.," and "S. F. W." are inserted at the beginning and ending of those portions of the notes describing the respective surveys of Sidney E. Blout, U. S. Surveyor, E. J. Lange, U. S. Surveyor, and S. Frank Walters, U. S. Transitman.

E. J. L.

Make test of instruments Nos. 8532 and 8524, as follows:

Dec. 13, 1915: I examine the adjustments of instruments Nos. 8532 and 8524, and correct all errors; then to test each solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, proceed as follows:

At our camp, in sec. 28, T. 25 N., R. 17 W., in lat. $35^{\circ}32'N.$, long. $114^{\circ}5'W.$, at 2 hrs. 0.5m., a.m., l.m.t., by my watch, which is set to correct local mean time, I observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a hub, firmly set in the ground, 5 chs. N. of my station.

Dec. 14, 1915: At 7h. 30m. a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}24'$ to the east, and mark a point in the line thus determined on a hub, firmly set in the ground, 5 chs. N. of my station.

At 8h. 0m., a.m., l.m.t., I set off $35^{\circ}32'N.$ on the lat. arc; $23^{\circ}6\frac{1}{2}'S.$ on the decl. arcs, and determine a meridian with each solar; the line thus determined by solar transit No. 8532 falls $\frac{1}{2}'$ E. of the true meridian, and the line determined by transit No. 8524 falls $1'$ E. of the true meridian determined by observations on Polaris at elongation.

At apparent noon, I set off $23^{\circ}10'S.$ on each decl. arc; and observe the sun on the meridian with each solar; the resulting lat. with transit No. 8532 is $35^{\circ}32'N.$, and with transit No. 8524 is $35^{\circ}31\frac{1}{2}'N.$

At 3h. 0m., p.m., l.m.t., I set off $35^{\circ}32'N.$ on the lat. arcs; $23^{\circ}10'S.$ on the decl. arcs; and determine a meridian with each solar. The line determined by solar transit No. 8532 coincides with the true meridian, and the line determined by solar transit No. 8524 falls $1'W.$ of the true meridian determined by observations on Polaris at elongation.

The solars of each transit by a.m. and p.m. observations, define positions for meridians, which depart less than $1'$ from the true meridian determined by observations on Polaris at elongation; therefore, since these instruments fulfill the conditions of our instructions, I conclude that they are in satisfactory adjustment.

The magnetic bearing of the true meridian at 8 hrs. 15m. a.m. is $N. 15^{\circ}51'W.$; the angle thus determined gives the magnetic declination $15^{\circ}51' E.$ E. J. L.

S. F. W.

Make test of instrument No. 8489 as follows:

Dec. 19, 1915: I examine the adjustments of transit No. 8489, and correct all errors; then, to test the solar apparatus, by comparing its indications, resulting from solar

Subdivision lines of Township 25 North, Range 18 West. 19.

Chains.

observations, made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

Using the meridian determined as above described, at 8h. Om., a.m., l.m.t., I set off 35° 32' N. on the lat. arc; 23° 20 1/2' S. on the decl. arc; and determine a meridian with the solar. The line thus determined coincides with the meridian determined by observations on Polaris, at elongation.

At apparent noon, I set off 23° 23' S. on the decl. arc; and observe the sun on the meridian; the resulting lat. is 35° 32' N.

At 4h. Om. p.m., l.m.t., I set off 35° 32' N. on the lat. arc; 23° 21' S. on the decl. arc; and determine a meridian with the solar. The line thus determined coincides with the meridian determined by observations on Polaris at elongation. S.F.W.

S.E.B.

From the reestablished standard cor. of secs. 35 and 36, on S bdy. of Tp. (6th. Standard Parallel North), described in Book "A,"

North, bet. secs. 35 and 36.

Over mountainous land, thru. scattering timber and undergrowth.

Ascend 550 ft. to

20.40 Spur, slopes E. Descend 560 ft., thru. heavy timber, to
32.75 Gulch, course E. Thence along E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,
S35 1/2 S 36

1915

from which,

A pine, 8 ins. in diam., brs. S. 30° E., 25 lks. dist., marked 1/4 S 36 B T.

A pine, 12 ins. in diam., brs. S. 73° W., 60 lks. dist., marked 1/4 S 35 B T.

40.60 Canyon, course NE. Ascend 390 ft.

50.00 Leave timber, brs. E. and W.

60.25 Ridge, brs. E* and W. Descend 250 ft. to

72.30 Gulch, course NE. Ascend to

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, marked on brass cap,

T25N R18W
S26 | S25
S35 | S36
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous. Soil, rocky, 4th rate.

Timber, scrub pine.

Undergrowth, scrub oak and cacti.

Some bunch grass.

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

40.00 Set temp. 1/4 sec. cor.

80.06 Intersect E* bdy. of Tp., 30 lks. S. of the reestablished cor. of secs. 25, 30, 31 and 36, described in Book "A."

Thence,

S. 89° 47' W., on a true line, bet. secs. 25 and 36.

Over mountainous land, thru. scattering timber and undergrowth.

Ascend 645 ft.

40.03 Set an iron post, 3 ft. long, 1 in. in diam., in a mound of stone, at foot of S. slope of sloping rock, 20 ft. high for 1/4 sec. cor., marked on brass cap,

1915

20. Subdivision lines of Township 25 North, Range 18 West.

Chains.

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

S 36
1915

42.08 Continue ascent to Rocky peak, descend slightly to
49.28 Ascend 430 ft. to
70.56 Ridge, brs. NW² and SE. Descend 150 ft. to
80.06 The cor. of secs. 25, 26, 35 and 36.
Land, mountainous.
Soil, rocky, 3rd rate.
Timber, pinon.
Undergrowth, scrub oak and buck brush.
Some grass.

S.E.B.

S.F.W.

North, bet. secs. 25 and 26.

Over mountainous land, thru scattering timber and undergrowth.

Ascend 320 ft. to

3.20 Spur, slopes SE. Descend 85 ft. to
13.55 Gulch, course E. Ascend 300 ft., along broken E. slope.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S26 $\frac{1}{4}$ S 25
1915

from which,

A pine, 10 ins. in diam., brs. N. 51 $\frac{1}{2}$ ° E., 74 lks. dist., marked $\frac{1}{4}$ S 25 B T.

A pine, 8 ins. in diam., brs. S. 35 $\frac{1}{2}$ ° W., 53 lks. dist., marked $\frac{1}{4}$ S 26 B T.

47.80 Ridge, brs. E⁶ and W. Descend 510 ft. to
61.50 Gulch, course NE. Along E. slope.
73.20 Ravine, course NE. Ascend 105 ft. to
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap,

T25N R18W
S23 S24
S26 S25
1915

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

Land, mountainous.
Soil, rocky, 4th rate.
Timber, pine.
Undergrowth, scrub oak and cacti.

N. 89° 47' E., on a random line, bet. secs. 24 and 25.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.02 Intersect E⁶ bdy. of Tp., 9 lks. N. of the reestablished cor. of secs. 19, 24, 25 and 30, described in Book "A."

Thence,

S 89° 51' W., on a true line, bet. secs. 24 and 25.

Over mountainous land, thru scattering undergrowth. Descend 120 ft. to

12.50 Gulch, course NE. Ascend 615 ft.
40.01 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked on brass cap,

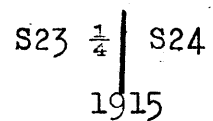
S 24
 $\frac{1}{4}$

S 25
1915

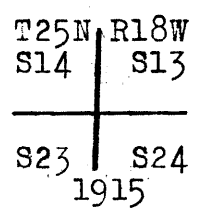
Chains.

and raise a mound of stone, 2 ft. base, 1½ ft. high,
N. of cor.
67.00 Desc. 30 ft. to
70.30 Asc. 110 ft. to
79.00 Spur, slopes SW. Desc. 45 ft. to
80.02 The cor. of secs. 23, 24, 25 and 26.
Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, scrub oak and cacti.

North . . . , bet. secs. 23 and 24.
Over mountainous land, through scattering timber and under-
growth.
Asc. 600 ft. to
16.00 Ridge, brs. E. and W. Desc. 475 ft. to
35.00 Gulch, course E. Asc. 40 ft. to
38.30 Desc. 80 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for ¼ sec. cor., marked on brass cap



From which
A pine 8 ins. diam., brs. N.37½° E., 16 lks. dist.,
marked ¼S24 BT.
A pine, 12 ins. diam., brs. S.66½° W., 44 lks. dist.,
marked ¼S23 BT.
47.40 Asc. 50 ft. to
49.00 Spur, slopes E. Desc. 485 ft. to
74.20 Gulch, course E. Asc. 150 ft. to
75.90 Spur, slopes SE. Desc. 75 ft. to
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 13, 14, 23 and 24, marked on
brass cap



From which
A pine, 6 ins. diam., brs. N.40° E., 29 lks. dist.,
marked T25N R18W S13 BT.
A pine, 10 ins. diam., brs. S.43° E., 74 lks. dist.,
marked T25N R18W S24 BT.
A pine 8 ins. diam., brs. S.47° 10' W., 32 lks. dist.,
marked T25N R18W S23 BT.
A pine, 10 ins. diam., brs. N.40½° W., 61 lks. dist.,
marked T25N R18W S14 BT.
Land, mountainous.
Soil, rocky; 4th rate.
Timber, pine.
Undergrowth, scrub oak, cat claw and cacti.
Some grass.

40.00 N.89° 51' E., on a random line, bet. secs. 13 and 24.
Set temp. ¼ sec. cor.
79.99 Intersect E. bdy. of Tp., 2 lks. S. of the reestablished
cor. of secs. 13, 18, 19 and 24, which is an iron post,
described in Book "A."
Thence
S.89° 50' W., on a true line, bet. secs. 13 and 24.

Chains.

Over mountainous land, through scattering timber and undergrowth.
 Desc. to
 5.00 Wash, course SE. Asc. 460 ft.
 39.99½ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

S13
¼

S24
1915

From which
 A pine, 12 ins. diam., brs. N.40½° W., 56 lks. dist., marked ¼S13 BT.
 A pine, 10 ins. diam., brs. S.51½° E., 48 lks. dist., marked ¼S24 BT.

79.99 Continue ascent to
 The cor. of secs. 13, 14, 23 and 24.
 Land, mountainous.
 Soil, rocky; 4th rate.
 Timber pine.
 Undergrowth, cat claw and cacti.
 Some grass.

North bet. secs. 13 and 14.
 Over mountainous land, through scattering timber and undergrowth.
 Desc. 50 ft. to
 7.50 Asc. 270 ft. to
 23.50 Ridge, brs. E. and W. Desc. 200 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

S14 ¼ | S13
1915

From which
 A pine, 10 ins. diam., brs. S.89° E., 48 lks. dist., marked ¼S13 BT.
 A pine, 8 ins. diam., brs. N.54° W., 12 lks. dist., marked ¼S14 BT.

57.20 Gulch, course SE. Asc. 285 ft. to
 69.70 Top of cliff. Ridge, brs. SE. and W. Spur slopes N.
 Desc. 285 ft., on spur, to
 80.00 Spur, slopes NE.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap

T25N R18W
S11 | S12
—+—
S14 | S13
1915

From which
 A pine, 12 ins. diam., brs. N.48° E., 38 lks. dist., marked T25N R18W S12 BT.
 A pine, 14 ins. diam., brs. S.88¼° E., 64 lks. dist., marked T25N R18W S13 BT.
 A pine, 16 ins. diam., brs. S.8° W., 18 lks. dist., marked T25N R18W S14 BT.
 A pine, 16 ins. diam., brs. N.19¾° W., 38 lks. dist., marked T25N R18W S11 BT.

Land, mountainous.

chains.

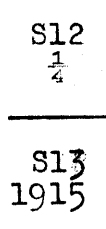
Soil, rocky; 4th rate.
Timber, pine.
Undergrowth, scrub oak and cacti.
Some grass.

40.00
79.86

N.89° 50' E., on a random line, bet. secs. 12 and 13.
Set temp. $\frac{1}{4}$ sec. cor. reestablished
Intersect E. bdy. of Tp., 40 lks. N. of the cor. of secs.
7, 12, 13 and 18, which is an iron post, described in
Book "A."

39.93

Thence
N.89° 53' W., on a true line, bet. secs. 12 and 13.
Over mountainous land, through scattering timber and under-
growth.
Asc. 965 ft.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

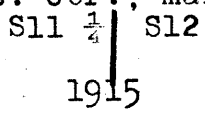


79.86

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
Continue ascent to
The cor. of secs. 11, 12, 13 and 14.
Land, mountainous
Soil, rocky; 4th rate.
Timber, pine.
Undergrowth, scrub oak and cacti.
Some grass.

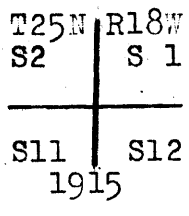
36.00
40.00

North bet. secs. 11 and 12.
Over mountainous land, through scattering undergrowth and
timber.
Desc. 770 ft.
Leave timber, brs. E. and W.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



80.00

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
Gulch, course NE.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 1, 2, 11 and 12, marked on
brass cap



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
Land, mountainous and rolling.
Soil, rocky; 4th rate.

Chains.

Timber, pine.
Undergrowth, scrub oak and cacti.
Some grass.

40.00 S.89° 53' E., on a random line, bet. secs. 1 and 12.
Set temp. $\frac{1}{4}$ sec. cor.
80.00 Intersect E. bdy. of Tp., 40 lks. S. of the reestablished
bor. of secs. 1, 6, 7 and 12, described in Book "A" in
Thence
S.89° 50' W.; on a true line, bet. secs. 1 and 12.
Over rolling land, through scattering undergrowth.
11.00 Desc, 90 ft. to.
15.00 Wash course NE. Thence over gently rolling land.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

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

S12
1915

80.00 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
The cor. of secs. 1, 2, 11 and 12.
Land, rolling and gently rolling.
Soil, 2nd and 4th rate.
No timber.
Undergrowth, scrub oak, cat claw and cacti.
Some bunch grass.

40.00 North on a random line, bet. secs. 1 and 2.
Set temp. $\frac{1}{4}$ sec. cor.
79.85 Intersect N. bdy. of Tp., 5 lks. W. of the reestablished
cor. of secs. 1, 2, 35 and 36, which is an iron post, described in
Book "B".
Thence
S.0° 2' W., on a true line, bet. secs. 1 and 2.
Over mountainous land, through scattering undergrowth.
19.60 Asc. 475 ft. to
39.85 Ridge, brs. NE. and SW. Desc. 480 ft.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

S2 $\frac{1}{4}$ | S1
1915

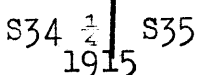
44.85 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high.
W. of cor.
44.85 Gulch, course SE. Thence over rolling mesa.
79.85 The cor. of secs. 1, 2, 11 and 12.
Land, rolling and mountainous.
Soil, 2nd and 4th rate.
No timber.
Undergrowth, greasewood, scrub oak, cat claw and cacti.

S.F.W.

E. J. L.
From the reestablished standard cor. of secs. 34 and 35, on
S. bdy. of Tp. (4th Standard Par. N.) described in Book "A."
North bet. secs. 34 and 35.

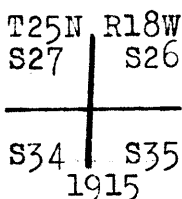
Chains.

Over mountainous land, through dense undergrowth and scatter-timber.
 Asc. 45 ft. to
 1.75 Desc. 90 ft. to
 8.15 Asc. 315 ft. to
 27.60 Spur, slopes S.60° W. Desc. 60 ft. to
 31.30 Asc. 135 ft. to
 37.45 Desc. 30 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

Asc. 295 ft. to
 54.09 Cerbat mountain range, brs. NW. and SE. Desc. 185 ft. to
 62.60 Asc. to
 64.08 Same range, brs. N. and SW. Desc. on ridge, 120 ft. to
 69.10 Saddle in ridge. Asc. 90 ft. to
 75.14 Leave main range, brs. N.30° W. and S. Desc. 80 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 26, 27, 34 and 35, marked on brass cap



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

Land, mountainous.
 Soil, rocky; 3rd rate.
 Timber, pinion.
 Undergrowth, scrub oak, cat claw, buck brush and cacti.

40.00 East on a random line, bet. secs. 26 and 35.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.87 Intersect N. and S. line, 35 lks. S. of the cor. of secs. 25, 26, 35 and 36.
 Thence
 S.89° 45' W., on a true line, bet. secs. 26 and 35.
 Over mountainous land, through scattering timber and dense undergrowth.
 Asc. 110 ft. to
 3.00 Desc. 20 ft. to
 4.45 Gulch, course S. Comes from NW. Asc. 460 ft. to
 27.20 Ridge, brs. NW. and SE. Desc. 170 ft. to
 35.20 Gulch, course SE. Asc. 220 ft.
 39.93 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

48.85 Desc. slightly to
 49.40 Gulch, course NE. Asc. 565 ft. to
 79.87 The cor. of secs. 26, 27, 34 and 35.
 Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, pinion.

Chains.

Undergrowth, scrub oak, buck brush, cat claw and cacti.

North bet. secs. 26 and 27.

Over mountainous land, through scattering timber and dense undergrowth.

20.36

Asc. 475 ft., over cliffs, to Cerbat mountain range, brs. NE. and SW. Thence along W. slope.

33.15

Same ridge, brs. NW. and SE. Thence along E. slope.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S27 $\frac{1}{4}$ S26

1915

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

Asc. 215 ft. to

51.44

Same ridge, brs. NE. and SW. Desc. 410 ft. to

72.63

Head of gulch, course W. Asc. 165 ft. to

80.00

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

T25N R18W
S22 | S23

S27 | S26
1915

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

Land, mountainous.

Soil, rocky; 3rd rate.

Timber, scattering yellow pine. and pinion.

Undergrowth, scrub oak, buck brush and cacti.

Some grass.

40.00

N.89° 45' E., on a random line, bet. secs. 23 and 26

80.00

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

Intersect N. and S. line, 5 lks. N. of the cor. of secs. 23, 24, 25 and 26.

Thence

S.89° 47' W., on a true line, bet. secs. 23 and 26.

Over mountainous land, through scattering timber and dense undergrowth.

34.95

Asc. 530 ft. to

35.65

Desc. to

40.00

Gulch, course S.80° E. Asc. 960 ft.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S23
 $\frac{1}{4}$

S26
1915

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

Continue ascent to

72.61

Cerbat mountain range, brs. NW. and SE. Desc. 170 ft. to

80.00

The cor. of secs. 22, 23, 26 and 27.

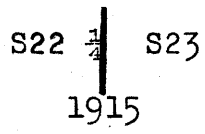
Land, mountainous.

Subdivision of T. 25 N., R. 18 W.

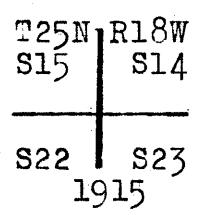
chains.

Soil, rocky; 3rd rate.
Timber, scrub pine
Undergrowth, scrub oak, buck brush and cacti.

10.16 North bet. secs. 22 and 23.
40.00 Over mountainous land, through scattering timber and dense undergrowth.
Asc. 30 ft. to
Cerbat mountain range, brs. NW. and SE. Desc. 880 ft.
Set an iron post, 3 ft. long, 1 in diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



42.23 From which
51.97 A yellow pine, 18 ins. diam., brs. N.69° E., 50 lks. dist., marked $\frac{1}{4}$ S23 BT.
61.85 A yellow pine, 14 ins. diam., brs. S.62 $\frac{1}{2}$ ° W., 40 lks. dist., marked $\frac{1}{4}$ S22 BT.
Gulch, course N.80° E. Asc. 195 ft. to
Spur slopes N. 80° E. 40 chs. Desc. 360 ft. to
67.64 Rocky canyon course E. Stream of water, 1 lk. wide, $\frac{1}{4}$ in. deep, course E. Asc. 185 ft. to
72.15 Spur, slopes E. 20 chs. Desc. 185 ft. to
80.00 Rocky canyon, course S.80° E. Asc. 225 ft. to
Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 14, 15, 22 and 23, marked on brass cap



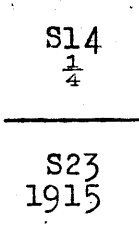
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.
Soil, rocky; 3rd rate.
Timber, pine.
Undergrowth, scrub oak, buck brush, manzanita and cacti.

E.J.L.

40.00 S.F.W.
80.40 N.89° 47' E., on a random line, bet. secs. 14 and 23.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 9 lks. N. of the cor. of secs. 13, 14, 23 and 24.

10.00 Thence
40.20 E.89° 51' W., on a true line, bet. secs. 14 and 23.
Over mountainous land, through scattering timber and undergrowth.
Asc. 690 ft.
Spur, slopes SE. Thence along S. slope, ascending.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

281.

Subdivision of T. 25 R. 18 W.

Chains.

80.40 Continue ascent to
The cor. of secs. 14, 15, 22 and 23.
Land, mountainous.
Soil, rocky; 4th rate.
Timber, scattering pine.
Undergrowth, cat claw and cacti.
Some grass.

S.F.W.

E.J.L.

North bet. secs. 14 and 15.
Over mountainous land, through scattering timber and dense
undergrowth.
Asc. 220 ft. to
10.96 Ridge, brs. E. and W. Desc. 410 ft. to
38.43 Wash, 25 lks. wide, course E. Asc. 320 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
brass cap

S15 $\frac{1}{4}$ S14
1915

From which

A pinion, 6 ins. diam., brs. N. $74\frac{1}{2}^{\circ}$ E., 32 lks. dist.,
marked $\frac{1}{4}$ S14 BT.

A pinion, 5 ins. diam., brs. S. 49° W., 40 lks. dist.,
marked $\frac{1}{4}$ S15 BT.

55.14 Ridge, brs. E. and W. Desc. 620 ft. to
80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
stone, for cor. of secs. 10, 11, 14 and 15, marked on
brass cap

T25N R18W
S10 S11
S15 S14
1915

From which

A pinion, 10 ins. diam., brs. N. 75° E., 20 lks. dist.,
marked T25N R18W S11 BT.

A pinion, 12 ins. diam., brs. S. 23° E., 24 lks. dist.,
marked T25N R18W S14 BT.

A pinion, 12 ins. diam., brs. S. 41° W., 31 lks. dist.,
marked T25N R18W S15 BT.

A pinion, 15 ins. diam., brs. N. 24° W., 175 lks. dist.,
marked T25N R18W S10 BT.

Land, mountainous.

Soil, rocky; 3rd rate.

Timber, pine.

Undergrowth, scrub oak, buck brush, sagebrush and cacti.

E.J.L.

E.J.L. & S.F.W.

N. $89^{\circ} 51'$ E., on a random line, bet. secs. 11 and 14.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.16 Intersect N. and S. line, 21 lks. N. of the cor. of secs.
11, 12, 13 and 14.

Thence

West on a true line, bet. secs. 11 and 14.

Over mountainous land, through scattering timber and dense
undergrowth.

Desc. 20 ft. to

5.00 Asc. 980 ft.
40.08 (E.J.L.) Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

Chains.

S11
1/4

S14
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
N. of cor.
67.50 Spur, slopes N.15° W. Desc. 305 ft. to
75.20 Ravine, course N.20° E. Asc. 25 ft. to
75.75 Desc. 45 ft. to
80.16 The cor. of secs. 10, 11, 14 and 15.
Land, mountainous.
Soil, rocky; 4th rate.
Timber, pinion and pine.
Undergrowth, scrub oak and cacti.

E.J.L. & S.F.W.

E.J.L.

North bet. secs. 10 and 11.
Over mountainous land, through scattering timber and dense
undergrowth.
Desc. 30 ft. to
0.80 Canyon, course N.35° E. Asc. to
2.00 Desc. 240 ft. along E. slope. to
18.70 Spur, slopes NE. 50 chs. Desc. NW. slope, 605 ft
40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
ground, for 1/4 sec cor., marked on brass cap

S10 1/4 | S11
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor. E.J.L.
46.30 S.F.W. Gulch, course NE. Asc. 45 ft. to
52.39 Spur, slopes NE. 40 chs. Desc. 300 ft. to
72.40 Wash, 10 lks. wide, course NE. Asc. 25 ft. to
76.74 Spur, slopes NE. 20 chs. Desc. 40 ft. to
80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
stone, for cor. of secs. 2, 3, 10 and 11, marked on
brass cap

T25N R18W
S3 | S 2

S10 | S11
1915

From which

A pine, 6 ins. diam., brs. N.59° E., 12 lks. dist.,
marked T25N R18W S2 BT.
A pine, 8 ins. diam., brs. S.78° 10' E., 26 lks. dist.,
marked T25N R18W S11 BT.
A pine, 14 ins. diam., brs. S.72 1/2° W., 110 lks. dist.,
marked T25N R18W S10 BT.
A pine, 12 ins. diam., brs. N.85 1/4° W., 146 lks. dist.,
marked T25N R18W S3 BT.

Land, mountainous.
Soil, rocky; 3rd rate.
Timber, pine and juniper.
Undergrowth, scrub oak, rabbit brush, buck brush and cacti.

40.00 East on a random line, bet. secs. 2 and 11.
80.00 Set temp. 1/4 sec. cor.
Intersect N. and S. line, 23 lks. S. of the cor. of secs.
1, 2, 11 and 12.

Chains.

Thence
S.89° 50' W., on a true line, bet. secs. 2 and 11.
Over rolling land, through scattering undergrowth.
Asc. 380 ft.

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

S 2
1/4

—
S11
1915

and raise a mound of stone, 2ft. base, 1 1/2 ft. high,
N. of cor.

48.00 Enter timber, brs. NW. and SE.

59.30 Spur, slopes N. Desc. 55 ft. to

67.78 Gulch, course NE. Asc. 115 ft. to

80.00 The cor. of secs. 2, 3, 10 and 11.

Land, rolling.

Soil, rocky; 2nd and 4th rate.

Timber, scattering pine.

Undergrowth, scrub oak, cat claw and cacti.

Some bunch grass.

North on a random line, bet. secs 2 and 3.

40.00 Set temp. 1/4 sec. cor.

80.18 Intersect N. bdy. of Tp., 23 lks. W. of the reestablished cor. of secs. 32, 33, 34 and 35, described in Book "A."

Thence

S.0° 10' W., on a true line, bet. secs. 2 and 3.

Over mountainous land, through scattering undergrowth.

Desc. 30 ft. to

2.35 Gulch, course E. Asc. 180 ft. to

10.90 Spur, slopes E. Desc. 70 ft. to

20.80 Gulch, course NE. Asc. 225 ft.

33.00 Fence, brs. E. and W.

36.30 Ridge, brs. NW. and SE. Desc. 350 ft.

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

S3 1/4 S2

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor.

60.00 Gulch, course SE. Asc. gradually.

68.40 Enter timber, brs. E. and W.

80.18 The cor. of secs. 2, 3, 10 and 11.

Land, rolling and mountainous.

Soil, rocky; 4th rate.

Timber, scattering pine.

Undergrowth, scrub oak, buck brush and cacti.

From the reestablished standard cor. of secs. 33 and 34,
of the S. bdy. of the Tp. (6th Standard Parallel North)
described in Book "A."

N.0° 1' W., bet. secs. 33 and 34.

Over mountainous land, through scattering timber and undergrowth.

Desc. N. slope, 395 ft. to

13.55 Gulch, course NW. Asc. 80 ft. to

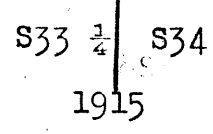
38.00 Descend.

Subdivision of T. 25 N., R. 18 W.

Chains.

40.00

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



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

41.25

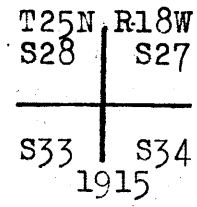
Gulch, course SW. Asc. SE. slope, 255 ft. to

52.35

Spur, slopes S. 30° W. Asc. SW. slope, 285 ft. to

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, marked on brass cap



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

Land, mountainous.

Soil, 4th rate.

Timber, juniper and pine.

Undergrowth, scrub oak, cat claw and cacti.

Some bunch grass.

40.00

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

79.78

Set, temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 6 lks. S. of the cor. of secs. 26, 27, 34 and 35.

Thence

S. $89^\circ 57'$ W., on a true line, bet. secs. 27 and 34.

Over mountainous land, through scattering timber and dense undergrowth.

Asc. 150 ft. to

3.80

Cerbat mountain range, brs. N. and S. Desc. 815 ft. to

37.30

Gulch, course SW. Asc. 35 ft.

39.89

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



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

45.40

Spur, slopes SW. Desc. 200 ft. to

50.00

Gulch, course SW. Asc. 100 ft. to

57.80

Spur, slopes S. Desc. 110 ft. to

64.15

Ravine, course SW. Asc. 115 ft. to

73.40

Rocky spur, slopes SW. Desc. 185 ft. to

79.78

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

Land, mountainous.

Soil, rocky; 4th rate.

Timber, scattering pine.

Undergrowth, scrub oak, buch brush and cacti.

N. $0^\circ 1'$ W. bet. secs. 27 and 28.

Over mountainous land, through scattering timber and undergrowth.

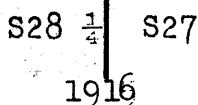
Asc. 715 ft. to

30.00

Spur, slopes W. Desc. 95 ft. to

Chains.
40.00

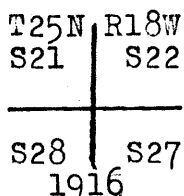
Head of gulch, course W.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



From which
A pine, 12 ins. diam., brs. S.72° E., 18 lks. dist., marked $\frac{1}{4}$ S27 BT.
A pine, 14 ins. diam., brs. N.49° W., 25 lks. dist., marked $\frac{1}{4}$ S28 BT.
Asc. slightly to

41.49
68.79
80.00

Spur, slopes NW. Desc. 485 ft. to
Gulch, course NW. "sc. to
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked on brass cap



From which
A pine, 14 ins. diam., brs. S.64 $\frac{1}{2}$ ° E., 80 lks. dist., marked T25N R18W S27 BT.
No other trees within limits. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.
Soil, 2nd and 4th rate.
Timber, scrub pinion and juniper.
Undergrowth, scrub oak, cat claw and cacti.
Some bunch grass.

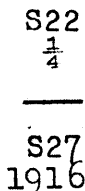
40.00
80.11

N.89° 57' E., on a random line, bet. secs. 22 and 27.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 28 lks. S. of the cor. of secs. 22, 23, 26 and 27.

Thence
S.89° 45' W., on a true line, bet. secs. 22 and 27.
Over mountainous land, through scattering timber and undergrowth.

6.15
15.60
21.50
32.00
40.05 $\frac{1}{2}$

Desc. 125 ft. to
Gulch, course SW. Asc. 60 ft. to
Spur, slopes S. Desc. 170 ft. to
Gulch, course SW. Asc. 235 ft. to
Spur, slopes S. Desc. 635 ft.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

45.20
50.80
80.11

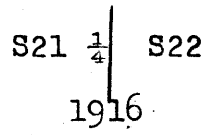
Gulch, course SW. Asc. 115 ft. to
Spur, slopes S. Desc. 630 ft. to
The cor. of secs. 21, 22, 27 and 28.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, pinion and juniper.
Undergrowth, scrub oak, cat claw and cacti.

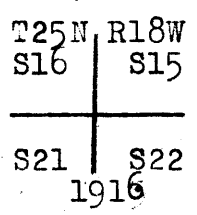
Subdivision of T. 25 N., R. 18 W.

Chains.

N.0° 1' W., bet. secs. 21 and 22.
 Over mountainous land, through scattering timber and dense undergrowth.
 Asc. 170 ft. to
 18.15 Spur, slopes W. Desc. 55 ft. to
 23.59 Gulch, course SW. Asc. 480 ft. to
 37.13 Spur, slopes W. Thence along W. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

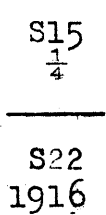


From which
 A pine, 10 ins. diam., brs. N.77 $\frac{1}{2}$ ° E., 49 lks. dist., marked $\frac{1}{4}$ S22 BT.
 A pine, 12 ins. diam., brs. N.45° W., 24 lks. dist., marked $\frac{1}{4}$ S21 BT.
 Asc. 85 ft. to
 50.46 Cliffy spur, slopes W. Desc. 380 ft. to
 64.58 Ravine, course W. Asc. 30 ft. to
 67.55 Desc. 65 ft. to
 74.30 Asc. 25 ft. to
 76.77 Spur, slopes W. Desc. 120 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked on brass cap



and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, pinion.
 Undergrowth, scrub oak and cacti.

40.00 N.89° 45' E., on a random line, bet. secs. 15 and 22.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. and S. line, 11 lks. N. of the cor. of secs. 14, 15, 22 and 23.
 Thence
 S.89° 50' W., on a true line, bet. secs. 15 and 22.
 Over mountainous land, through scattering timber and undergrowth.
 Asc. 520 ft. to
 18.10 Cerbat mountain range, brs. N. and S. Mt. Tipton brs. N. 5 chs. dist. Desc. 1035 ft.
 39.95 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



From which
 A pine, 12 ins. diam., brs. N.36° E., 43 lks. dist., marked $\frac{1}{4}$ S15 BT.
 A pine, 14 ins. diam., brs. S.2° E., 37 lks. dist., marked $\frac{1}{4}$ S22 BT.
 43.75 Wash, course NW. Asc. 155 ft. to

18.34

Subdivision of T. 25 N., R. 18 W.

Chains.

51.70
79.90

Cliffy spur, slopes NW. Desc. 685 ft. to
The cor. of secs. 15, 16, 21 and 22.
Land, mountainous.
Soil, rocky; 4th rate.
Timber, scattering pine,
Undergrowth, scrub oak, cat claw and cacti.
Some bunchgrass.

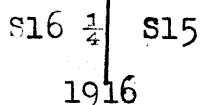
S.F.W.

E.J.L.

N.0° 1' W., bet. secs. 15 and 16.
Over mountainous land, through scattering timber and under-
growth.

18.78
40.00

Asc. 210 ft. to
Spur, slopes W. 30 chs. Desc. 485 ft. to
Gulch, course N.70° W.
Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

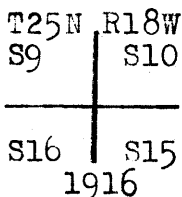


From which

A juniper, 20 ins. diam., brs. S.64 $\frac{1}{2}$ ° E., 78 lks. dist.,
marked $\frac{1}{4}$ S15 BT.
A pinion, 6 ins. diam., brs. S.72° W., 24 lks. dist.,
marked $\frac{1}{4}$ S16 BT.

42.10
47.93
73.52
80.00

Asc. 45 ft. to
Desc. 15 ft. to
Wash, 50 lks. wide, course W. Asc. 290 ft. to
Spur, slopes W. 60 chs. Desc. 255 ft. to
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 9, 10, 15 and 16, marked on
brass cap



From which

A pinion, 12 ins. diam., brs. N.51° E., 115 lks. dist.
marked T25N R18W S10 BT.
A pinion, 6 ins. diam., brs. S.52° E., 77 lks. dist.,
marked T25N R18W S15 BT.
A pinion, 8 ins. diam., brs. S.15° W., 139 lks. dist.,
marked T25N R18W S16 BT.
A pinion, 7 ins. diam., brs. N.74° W., 136 lks. dist.,
marked T25N R18W S9 in NW.

Land, mountainous.
Soil, rocky; 3rd rate.
Timber, juniper and pinion.
Undergrowth, scrub oak, buck brush, cat claw and cacti.
Some grass.

40.00
79.78

N.89° 50' E., on a random line, bet. secs. 10 and 15.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 9 lks. N. of the cor. of secs.
10, 11, 14 and 15.

Thence
S.89° 54' W., on a true line, bet. secs. 10 and 15.
Over mountainous land, through scattering timber and under-
growth.

0.94
10.53

Desc. to
Gulch, course N.35° E. Asc. 335 ft. to
Desc. 65 ft. to

Chains.

21.73 Asc. 100 ft. to
 24.08 Desc. 40 ft. to
 30.88 Asc. 165 ft. to
 37.38 Desc. 50 ft. to
 39.89 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

S10
 $\frac{1}{4}$

S15
 1916

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

44.51 Asc. 110 ft. to Cerbat mountain range, brs. NW. and SE. Spur from main range slopes S. 85° W. 95 chs. Desc. 430 ft. to
 79.78 The cor. of secs. 9, 10, 15 and 16.
 Land, mountainous.
 Soil, rocky; 3rd rate.
 Timber, pinion.
 Undergrowth, scrub oak, buck brush and cacti.

40.00 N. 0° 1' W., bet. secs. 9 and 10.
 Over mountainous land, through scattering timber and undergrowth.
 Desc. 585 ft. to
 Gulch, course N. 80° W.
 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S9 $\frac{1}{4}$ | S10
 1916

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

46.02 Asc. 145 ft. to Spur, slopes W. 20 chs. dist. Desc. 160 ft. to
 51.95 Wash, 15 lks. wide, course W. Asc. 485 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, in a mound of stone, for cor. of secs. 3, 4, 9 and 10, marked on brass cap

T25N R18W
 S4 | S 3
 S9 | S10
 1916

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

Land, mountainous.
 Soil, rocky; 3rd rate.
 Timber, pinion and juniper.
 Undergrowth, scrub oak, buck brush, sagebrush and cat claw.

E.J.L.

S.F.W.

It being impossible to run east on a random line, from the cor. of secs. 3, 4, 9 and 10, because of high cliff on the main range of the Cerbat mountains, bearing N. and S., I proceed as follows:
 From the cor. of secs. 3, 4, 9 and 10, I run West, 3.51 chs. From this point, I set a flag S. 89° 49' E.,

Chains.

on top of cliff. From the same point, I measure a base N.31° 4' E., 2.315 chs., from the N. end of which flag on cliff brs. S.76° 7' E. The distance to the point on the cliff is given by

$$2.315 \times \sin 107^\circ 11'$$

$$\sin 13^\circ 42'$$

$$\begin{aligned} \log. 2.315 &= 0.364551 \\ \log \cos. 17^\circ 11' & \\ \text{colog. sin. } 13^\circ 42' & \end{aligned}$$

$$\begin{aligned} 0.364551 \\ 9.980169-10 \\ 0.625548 \end{aligned}$$

$$\hline 0.970268$$

$$0.970268 = \log. 9.34 \text{ chs.}$$

$$9.34 - 3.51 = 5.83 \text{ chs.}$$

5.83 From this point, I offset N. 3 lks., to the proper random line bet. secs. 3 and 10, and continue

N.89° 54' E., on a random line, bet. secs. 3 and 10.

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

80.03 Intersect N. and S. line, 11 lks. N. of the cor. of secs. 2, 3, 10 and 11.

Thence

S.89° 59' W., on a true line, bet. secs. 3 and 10.

Over mountainous land, through scattering timber and undergrowth.

7.96 Desc. 55 ft. to Wash, course NE. Asc. 335 ft. to

24.30 Spur, slopes N. Desc. 30 ft. to

29.20 Asc. 35 ft to

31.65 Desc. 50 ft. to

36.05 Wash, course NE. Asc. 1200 ft.

40.01 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

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

S10
1916

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

73.46 Foot of cliff, brs. N. and S.

74.20 Top of cliff, brs. N. and S. Main range of Cerbat mountains. Desc. to

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

Land, mountainous.

Soil, rocky; 4th rate.

Timber, scattering pinion and juniper.

Undergrowth, scrub oak, cat claw and cacti.

S.F.W.

E.J.L.

N.0° 1' W., on a random line, bet. secs. 3 and 4.

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

80.41 Intersect N. bdy. of Tp., at the reestablished cor. of secs. 3, 4, 33 and 34, described in Book "A. H. H. as described in

Thence

S.0° 1' W., on a true line, bet. secs. 3 and 4.

Over mountainous land, through scattering timber and undergrowth.

Desc. 315 ft. to

14.26 Gulch, course W. Asc. 160 ft. to

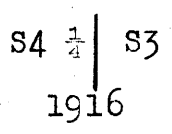
27.57 Desc. 35 ft. to

30.41 Asc. 110 ft.

40.41 Set an iron post, 3 ft. long, 1 in. diam., in a mound of

Chains.

stone, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

51.51
56.17
65.65
80.41

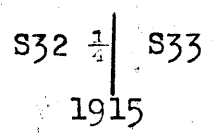
Desc. 45 ft. to
Asc. 225 ft. to
Ridge, brs. E. and W. Desc. 260 ft. to
The cor. of secs. 3, 4, 9 and 10.
Land, mountainous.
Soil, rocky; 4th rate.
Timber, pinion and juniper.
Undergrowth, scrub oak, cat claw and cacti.

From the reestablished standard corner of secs. 32 and 33, on S. bdy. of Twp. (6th. Standard Parallel North) described in Book "A,"

N. 0° 2' W., bet. secs. 32 and 33.
Over mountainous land, through scattering timber and undergrowth.

9.20
40.00

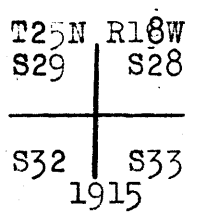
Asc. 25 ft. to
Desc. 305 ft.
Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

45.00
69.06
75.30
80.00

Wash, 30 lks. wide, course SW. Asc. 665 ft. to
Spur, slopes SE. 20 chs. Thence along E. slope to
Asc. 230 ft. to
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a mound of stone, for cor. of secs. 28, 29, 32 and 33, marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous.
Soil, rocky; 3rd rate.
Timber, scattering pinion and scrub cedar.
Undergrowth, cat claw, rabbit brush and cacti.

40.00
80.20

East on a random line, bet. secs. 28 and 33.
Set temp. 1/4 sec. cor.
Intersect N. and S. line, 20 lks. N. of the cor. of secs. 27, 28, 33 and 34.
Thence
N. 89° 51' W., on a true line, bet. secs. 28 and 33.
Over mountainous land, through scattering timber and undergrowth.
Desc. 55 ft. to
Asc. 30 ft. to
Spur, slopes S. 20 chs. Desc. 190 ft. to
Canyon, course SW. Asc. 125 ft. to

2.22
8.11
15.93

22. 38

Subdivision of T. 25 N., R. 18 W.

chains.

19.50 Spur, slopes SW. 60 chs. Desc. 425 ft.
 40.10 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S28

 $\frac{1}{4}$

 S33
 1915

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

44.50 Gulch, course SW. Asc. 30 ft. to
 48.50 Desc. 115 ft. to
 60.28 Wash, 10 lks. wide, course SW. Asc. 470 ft. to
 80.20 The cor. of secs. 28, 29, 32 and 33.
 Land, mountainous.
 Soil, rocky; 3rd rate.
 Timber, scattering pinion and juniper.
 Undergrowth, cat claw, rabbit brush and cacti.
 Some grass.

N.0° 2' W., bet. secs. 28 and 29.

Over mountainous land, through scattering undergrowth and timber.

Asc. 25 ft. to

4.54 Ridge, brs. NE. and SW. Desc. 445 ft. to
 16.23 Wash, 20 lks. wide, course W. Asc. 400 ft. to
 29.69 Spur, slopes W. 20 chs. Asc. 260 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S29 $\frac{1}{4}$ S28

1915

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

41.50 Ridge, brs. N.75° W. and S.75° E. Desc. 140 ft. to
 50.70 Asc. 55 ft. to
 57.00 Spur, slopes NW. 30 chs. Desc. 205 ft. to
 63.52 Rocky gulch, course W. Comes from SE. Asc. SW. slope, 235 ft. to
 76.76 Spur, slopes W. 60 chs. Desc. 85 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 20, 21, 28 and 29, marked on brass cap

T25N R18W
 S20 S21

 S29 S28
 1915

From which

A pinion, 12 ins. diam., brs. N.38 $\frac{1}{2}$ ° E., 108 lks. dist. marked T25N R18W S21 BT.

A pinion, 15 ins. diam., brs. S.47 $\frac{1}{2}$ ° E., 85 lks. dist. marked T25N R18W S28 BT.

A pinion, 6 ins. diam., brs. S.55° W., 59 lks. dist., marked T25N R18W S29 BT.

A pinion, 6 ins. diam., brs. N.82° W., 50 lks. dist., marked T25N R18W S20 BT.

Land, mountainous.

Soil, rocky; 3rd rate.

Timber, pinion and juniper.

Undergrowth, cat claw, scrub oak and cacti.

Subdivision of T. 25 N., R. 18 W.

Chains.

S.89° 51' E., on a random line, bet. secs. 21 and 28.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. and S. line, 37 lks. S. of the cor. of secs.
 21, 22, 27 and 28.
 Thence
 S.89° 53' W., on a true line, bet. secs. 21 and 28.
 Over mountainous land, through scattering undergrowth.
 Desc. 215 ft. to
 12.82 Gulch, course NW. Asc. to
 16.00 Desc. 50 ft. to
 23.20 Asc. 160 ft. to
 39.15 Spur, slopes N.15° W., 30 chs. Desc. 315 ft.
 39.98 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
 brass cap

S21
 $\frac{1}{4}$

S28
 1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.
 52.55 Thence along N. slope to
 56.45 Asc. 160 ft. to
 63.30 Spur, slopes NW. 20 chs. Desc. 415 ft to
 79.96 The cor. of secs. 20, 21, 28 and 29.
 Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, Scattering juniper and pinion.
 Undergrowth, scrub oak, buck brush and cacti.

N.0° 2' W., bet. secs. 20 and 21.
 Over mountainous land, through scattering timber and under-
 growth.
 Desc. 170 ft.
 10.38 Spring brs. W. 5 chs. dist.
 20.81 Wash, 20 lks. wide, course W. Asc. 215 ft. to
 36.71 Spur, slopes W. 40 chs. Thence along W. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

S20 $\frac{1}{4}$ | S21
 1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 47.50 Desc. 90 ft. to
 61.40 Asc. 35 ft. to
 65.40 Desc. 40 ft. to
 71.64 Gulch, course SW. Comes from E. Asc. 95 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the
 ground, in a mound of stone, for cor. of secs. 16, 17,
 20 and 21, marked on brass cap

T25N, R18W
 S17 | S16
 ————
 S20 | S21
 1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 Land, mountainous.
 Soil, rocky; 3rd rate.
 Timber, scattering pinion.

24. 40

Subdivision of T. 25 N., R. 18 W.

Chains.

Undergrowth, sagebrush, cat claw, rabbit brush and cacti.

40.00 N.89° 53' E., on a random line, bet secs. 16 and 21.

Set temp. 1/4 sec. cor.

80.24 Intersect N. and S. line, 11 lks. S. of the cor. of secs. 15, 16, 21 and 22.

Thence

S.89° 48' W., on a true line, bet. secs. 16 and 21.

Over mountainous land, through scattering undergrowth, and heavy timber.

Desc. 315 ft. to

22.95 Gulch, course NW. Asc. 160 ft. to

40.12 Ridge, brs. NW. and SE.

Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap

S16
1/4

S21
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Thence along S. slope to

48.31 Desc. 745 ft. to

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

Land, mountainous.

Soil, rocky; 4th rate.

Timber, pinion.

Undergrowth, cat claw, rabbit brush, scrub oak, buck brush and cacti.

N.0° 2' W., bet. secs. 16 and 17.

Over mountainous land, through scattering undergrowth.

Asc. 90 ft. to

8.59 Ridge, brs. N.80° E. and S.80° W. Desc. 260 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap

S17 1/4 | S16
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

58.43 Wash, 20 lks. wide, course NW. Thence over rolling land.

76.84 Wash, 30 lks. wide, course N.70° W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 8, 9, 16 and 17, marked on brass cap

T25N R18W
S8 | S9
S17 | S16
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling and mountainous.

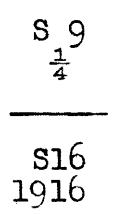
Soil, rocky; 4th rate.

No timber.

Undergrowth, cat claw, rabbit brush and cacti.

Chains.

N. 89° 48' E., on a random line, bet. secs. 9 and 16.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.14 Intersect N. and S. line, 28 lks. N. of the cor. of secs.
 9, 10, 15 and 16.
 Thence
 West on a true line; bet. secs. 9 and 16.
 Over mountainous land, through scattering timber and under-
 growth.
 Along N. slope.
 15.49 Desc. 1245 ft.
 40.07 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

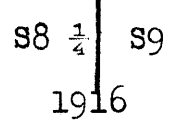


and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 80.14 Continue descent to.
 The cor. of secs. 8, 9, 16 and 17.
 Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, pinion.
 Undergrowth, scrub oak, buck brush, sagebrush, cat claw and
 cacti.

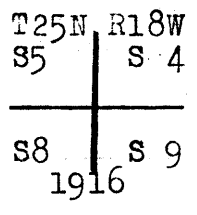
E.J.L.

S.F.W.

N. 0° 2' W., bet. secs. 8 and 9.
 Over mountainous land, through scattering undergrowth.
 Desc. 40 ft. to
 10.00 Wash, course W. Asc. 260 ft. to
 26.04 Spur, slopes SE. Desc. 40 ft. to
 31.00 Asc. 150 ft. to
 34.46 Spur, slopes E. Desc. 305 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 50.03 Wash, course W. Asc. 225 ft. to
 67.15 Desc. 35 ft. to
 70.58 Wash, course SW. Asc. 255 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 4, 5, 8 and 9, marked on
 brass cap



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, cat claw, and cacti.
 Some grass.

Chains.

40.00 East on a random line, bet. secs. 4 and 9.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.13 Intersect N. and S. line, 14 lks. S. of the cor. of secs.
 3, 4, 9 and 10.
 Thence
 S. $89^{\circ} 54'$ W., on a true line, bet. secs. 4 and 9.
 Over mountainous land, through scattering timber and under-
 growth.
 Desc. 130 ft. to
 10.55 Asc. 115 ft. to
 17.50 Cliffy spur, slopes S. 10 chs. Desc. 625 ft.
 40.06 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

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

S 9
 1916

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

68.25 Wash, course SW. Asc. 100 ft. to
 80.13 The cor. of secs. 4, 5, 8 and 9.
 Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, pinion and juniper.
 Undergrowth, cat claw, mesquite and cacti.

40.00 N. $0^{\circ} 2'$ W., on a random line, bet. secs. 4 and 5.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.30 Intersect N. bdy. of Tp., at the reestablished cor. of secs.
 4, 5, 32, and 33, described in Book "A." and Book "B".
 Thence
 S. $0^{\circ} 2'$ E., on a true line, bet. secs. 4 and 5.
 Over mountainous land, through scattering timber and under-
 growth.
 Desc. 290 ft. to
 28.54 Wash, course W. Asc. 820 ft.
 40.30 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

S 5 $\frac{1}{4}$ S 4
 1916

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

64.05 Ridge, brs. E. and W. Desc. 485 ft. to
 80.30 The cor. of secs. 4, 5, 8 and 9.
 Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, juniper and pinion.
 Undergrowth, cat claw, yucca, and cacti.
 Some grass.

S.F.W.

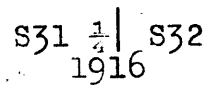
E.J.L.

From the reestablished standard cor. of secs. 31 and 32. of
 the S. bdy. of Tp. (6th Std. Pap. N.) described in Book "A",
 N. $0^{\circ} 2'$ W., bet. secs. 31 and 32.
 Over mountainous land, through scattering undergrowth.
 Across wide draw, course SW.
 3.10 Wash, 30 lks. wide, course S. 70° W. Leave draw, asc. 155
 ft. to
 23.20 Spur, slopes SW. 5 chs. Desc. 25 ft. to
 26.95 Draw, course SW. Asc. 400 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the

Subdivision of T. 25 N., R. 18 W.

Chains.

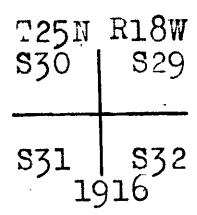
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

48.71
56.12
68.07
80.00

Ridge, brs. NE. and SW. Desc. 150 ft. to Wash, 15 lks. wide, course W. Asc. 380 ft. to Ridge, brs. E. and W. Desc. 325 ft. to Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 29, 30, 31 and 32, marked on brass cap



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

Land, mountainous.
Soil, rocky; 3rd rate.
No timber.
Undergrowth, cat claw, rabbit brush and cacti.
Some grass.

40.00
80.00

East on a random line, bet. secs. 29 and 32. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 7 lks. S. of the cor. of secs. 28, 29, 32 and 33.

Thence S. $89^{\circ} 57'$ W., on a true line, bet. secs. 29 and 32. Over mountainous land, through scattering timber and undergrowth.

4.44
40.00

Asc. 115 ft. to Ridges, brs. NE. and SW. and NW. and SE. Desc. 610 ft. Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

41.25
53.24
68.41
80.00

Gulch course SW. Asc. 100 ft. to Thence along S. slope to Ridge, brs. N. 80° E. and S. 80° W. Desc. 380 ft. to The cor. of secs. 29, 30, 31 and 32.

Land, mountainous.
Soil, rocky; 3rd rate.
Timber, pinion.
Undergrowth, cat claw, buck brush and cacti.
Some grass.

40.00
80.29

West on a random line, bet. secs. 30 and 31. Set temp. $\frac{1}{4}$ sec. cor. Intersect W. bdy. of Tp., 5 lks. N. of the reestablished cor. of secs. 25, 30, 31 and 36, described in Book 114, 115 as

Thence

Chains.

N.89° 58' E., on a true line, bet. secs. 30 and 31.
Over mountainous land, through scattering undergrowth.
Asc.. 1015 ft.
40.29 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S30

$\frac{1}{4}$

S31
1916

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

Continue ascent to
48.13 Ridge, brs. NW. and SE. Desc. 475 ft. to
80.29 The cor. of secs. 29, 30, 31 and 32.
Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, cat claw, rabbit brush and cacti.

N.0° 2' W., bet. secs. 29 and 30.
Over mountainous land, through scattering undergrowth.
Desc. 55 ft. to

4.92

Asc. 55 ft. to

13.42

Spur, slopes NW. 20 chs. Desc. 255 ft. to

39.30

Wash, 20 lks. wide, course W. Asc. 350 ft.

49.00

Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S30 $\frac{1}{4}$ S29

1916

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

57.79

Spur, slopes W. 40 chs. Desc. 235 ft. to

80.00

Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
stone, for cor. of secs. 19, 20, 29 and 30, marked on
brass cap

T25N R18W
S19 S20

S30 S29
1916

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

Land, mountainous.

Soil, rocky; 3rd rate.

No timber.

Undergrowth, sagebrush, rabbit brush, cat claw and cacti.

40.00

N.89° 57' E., on a random line, bet. secs. 20 and 29.

80.02

Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 40 lks. N. of the cor. of secs.
20, 21, 28 and 29.

Thence

N.89° 46' W., on a true line, bet. secs. 20 and 29.

Over mountainous land, through scattering timber and under-
growth.

Desc. 145 ft. to

8.10

Asc. 15 ft. to

11.45

Spur, slopes N.70° W. Desc. 280 ft. to

24.15

Wash, 10 lks. wide, course N.70° W. Comes from SE. Asc.

Chains.

75 ft. to
 32.75 Desc. 65 ft. to
 40.01 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S20
 $\frac{1}{4}$

S29
 1916

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

Thence along N. slope to
 49.45 Asc. 280 ft. to
 58.96 Desc. 585 ft.
 73.58 Spur, slopes N. 80° W. Continue desc. to
 80.02 The cor. of secs. 19, 20, 29 and 30.
 Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, pinion and juniper.
 Undergrowth, cat claw, sagebrush and cacti.
 Some grass.

40.00 S. 89° 58' W., on a random line, bet. secs. 19 and 30.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.93 Intersect W. bdy. of Tp. 19 lks. N. of the reestablished cor. of secs. 19, 24, 25 and 30, described in Book "A."

Thence
 N. 89° 50' E., on a true line, bet. secs. 19 and 30.

39.93 Over gently rolling land, through scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S19
 $\frac{1}{4}$

S30
 1916

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

46.13 Leave gently rolling land; thence over mountainous land.
 Asc. 330 ft. to
 79.93 The cor. of secs. 19, 20, 29 and 30.
 Land, mountainous and gently rolling.
 Soil, sand and gravel; 2nd rate; and rocky 3rd rate.
 No timber.
 Undergrowth, cat claw, sagebrush, rabbit brush, greasewood and cacti.

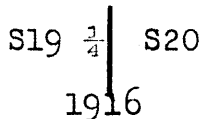
1.97 N. 0° 2' W., bet. secs. 19 and 20.
 10.00 Over mountainous land, through scattering undergrowth.
 Asc. 25 ft. to
 18.37 Spur, slopes W. 20 chs. Desc. 70 ft. to
 23.30 Asc. 85 ft. to
 24.21 Spur, slopes W. 10 chs. Desc. 30 ft. to
 30.04 Asc. to
 Spur, slopes W. 40 chs. Desc. 85 ft. to
 Center of wash, 60 lks. wide, course W. Asc. 60 ft. to

Subdivision of T. 25 N., R. 18 W.

Chains.

34.94
40.00

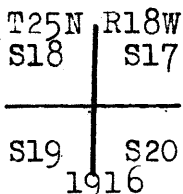
Spur, slopes W. 20 chs. Desc. 50 ft.
Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

45.38
70.51
80.00

Wash, 25 lks. wide, course W. Asc. 300 ft. to
Spur, slopes N. 75° W. 25 chs. Desc. 175 ft. to
Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 17, 18, 19 and 20, marked on brass cap



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

Land, mountainous.
Soil, rocky; 3rd rate.
No timber.

Undergrowth, sagebrush, rabbit brush, cat claw and cacti.

40.00
79.94

S. $89^\circ 46'$ E. on a random line, bet. secs. 17 and 20
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 11 lks. S. of the cor. of secs. 16, 17, 20 and 21.

Thence

N. $89^\circ 51'$ W., on a true line, bet. secs. 17 and 20.
Over mountainous land, through scattering undergrowth.
Desc. 20 ft. to

2.24
9.16
19.47
26.31
35.00
39.97

Asc. 55 ft. to
Spur, slopes SW. 15 chs. Desc. 225 ft. to
Asc. 50 ft. to
Ridge, brs. NE. and S. Desc. 90 ft. to
Thence along N. slope,
Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

Asc. 40 ft. to

42.70
55.60
63.40
79.94

Spur, slopes N. 30° W. 20 chs. Desc. 250 ft. to
Head of gulch, course NW. Asc. 65 ft. to
Spur, slopes NW. 25 chs. Desc. 250 ft. to
The cor. of secs. 17, 18, 19 and 20.

Land, mountainous.
Soil, rocky; 3rd rate.
No timber.

Undergrowth, sagebrush, catclaw and cacti.

Chains.

40.00 S.89° 50' W., on a random line, bet. secs. 18 and 19.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.88 Intersect W. bdy. of Tp., 5 lks. S. of the reestablished
 cor. of secs. 13, 18, 19 and 24, as described in Book "A."
 Thence
 N.89° 52' E., on a true line, bet. secs. 18 and 19.
 Over level land, through scattering undergrowth.
 39.88 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
 brass cap

| |
|---------------|
| S18 |
| $\frac{1}{4}$ |
| ----- |
| S19 |
| 1916 |

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 Asc. 250 ft. to
 79.88 The cor. of secs. 17, 18, 19 and 20.
 Land, level and rolling.
 Soil, sandy and gravelly; 2nd rate; and rocky; 3rd rate.
 No timber.
 Undergrowth, greasewood, cat claw, sagebrush and cacti.

N.0° 2' W., bet. secs. 17 and 18.
 Over rolling and mountainous land, through scattering under-
 growth.
 Desc. 165 ft. to
 9.68 Asc. 75 ft. to
 15.55 Spur, slopes W. 10 chs. Desc. 130 ft. to
 23.30 Wash, 25 lks. wide, course S.80° W. Asc. 55 ft. to
 28.42 Spur, slopes S.80° W. 40 chs. Desc. 30 ft. to
 33.40 Asc. 50 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
 brass cap

| | |
|-------------------|-----|
| S18 $\frac{1}{4}$ | S17 |
| ----- | |
| 1916 | |

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Thence over rolling land.
 46.98 Wash, 20 lks. wide, course SW.
 70.08 Wash, 70 lks. wide, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
 stone, for cor. of secs. 7, 8, 17 and 18, marked on
 brass cap

| | |
|-------|------|
| T25N | R18W |
| S7 | S 8 |
| ----- | |
| S18 | S17 |
| ----- | |
| 1916 | |

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling and mountainous.
 Soil, rocky and gravelly; 2nd rate.
 No timber.
 Undergrowth, yucca, cat claw, greasewood and cacti.

Chains.

40.00 S.89° 51' E., on a random line, bet. secs. 8 and 17.
 Set temp. 1/4 sec. cor.
 79.70 Intersect N. and S. line, 21 lks. S. of the cor. of secs.
 8, 9, 16 and 17.
 Thence
 West on a true line, bet. secs. 8 and 17.
 Over rolling land, through scattering undergrowth.
 Desc. 40 ft. to
 7.25 Wash, 25 lks. wide, course N.85° W. Asc. to
 7.75 Desc. 155 ft. to
 30.20 Wash, 20 lks. wide, course N.80° W. Asc. to
 30.70 Desc. 110 ft.
 39.85 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for 1/4 sec. cor., marked on brass cap

S 8
 1/4

S17
 1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
 N. of cor.
 48.70 Center of wash, 60 lks. wide, course SW. Thence over roll-
 ing land.
 62.20 Asc. 75 ft. to
 67.55 Spur, slopes S. 10 chs. Desc. 145 ft. to
 79.70 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling.
 Soil, rocky; 3rd rate.
 No timber.
 Undergrowth, cat claw, greasewood, rabbit brush and cacti.
 Some grass.

40.00 S.89° 52' W., on a random line, bet. secs. 7 and 18.
 Set temp. 1/4 sec. cor.
 80.17 Intersect W. bdy. of Tp., 14 lks. S. of reestablished cor.
 of secs. 7, 12, 13, and 18, described in Book "A" in

Thence
 N.89° 58' E., on a true line, bet. secs. 7 and 18.
 Over gently rolling land, through scattering undergrowth.
 40.17 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
 ground, in a mound of stone, for 1/4 sec. cor., marked on
 brass cap

S 7
 1/4

S18
 1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
 N. of cor.
 80.17 The cor. of secs. 7, 8, 17 and 18.
 Land, gently rolling.
 Soil, gravel and rock; 2nd rate.
 No timber.
 Undergrowth, greasewood, yucca, cat claw, rabbit brush
 and cacti.

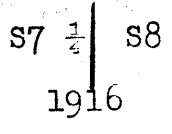
E.J.L.

S.E.W.
 N.0° 2' W., bet. secs. 7 and 8.
 Over rolling land, through scattering undergrowth,

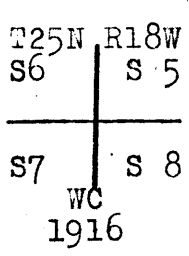
Subdivision of T. 25 N., R. 18 W.

Chains.

28.13 Asc. 270 ft. to
 40.00 Spur, slopes W. Desc. 150 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



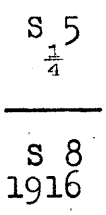
47.95 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
 Wash, course W.; ascend 85 ft. to
 77.81 Point for short spur, slopes SW. Descend 25 ft. to
 80.00 True point for $\frac{1}{4}$ sec. cor. falls on wash, course SW.; there-
 fore, continue N. 0° 2' W., and at
 80.25 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for witness cor. to cor. of secs. 5, 6, 7 and
 8, marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high.
 - W. of cor.
 Land, rolling.
 Soil, 4th rate.
 No timber.
 Undergrowth, cat claw and cacti.

40.00 From the true point for cor. of secs. 5, 6, 7 and 8,
 East on a random line, bet. secs. 5 and 8.
 79.80 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 7 lks. S. of the cor. of secs.
 4, 5, 8 and 9.

Thence
 S. 89° 57' W., on a true line, bet. secs. 5 and 8.
 Over mountainous land, through scattering undergrowth.
 Asc. 115 ft. to
 5.15 Spur, slopes S. Desc. 145 ft. to
 14.90 Wash, course S. Asc. 225 ft. to
 30.50 Spur, slopes S. Desc. 335 ft. to
 38.80 Ravine, course S. Asc. 15 ft.
 39.90 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



45.20 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
 N. of cor.
 51.55 Spur, slopes S. Desc. 85 ft. to
 61.55 Thence along S. slope to
 66.20 Spur, slopes SW. Desc. SW. slope, 120 ft. to
 79.80 Spur, slopes SW. Desc. 415 ft. to
 The true point for cor. of secs. 5, 6, 7 and 8.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, cat claw, yucca and cacti.
 Some bunch grass.

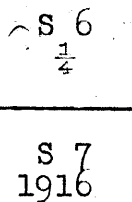
50

Subdivision of T. 25 N., R. 18 W.

Chains.

From the true point for cor. of secs. 5, 6, 7 and 8, S.89° 58' W., on a random line, bet. secs. 6 and 7.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect W. bdy. of Tp., 9 lks. N. of the reestablished cor. of secs. 1, 6, 7 and 12, described in Book "A"

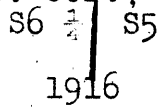
Thence
 N.89° 54' E., on a true line, bet. secs. 6 and 7.
 Over rolling land, through scattering undergrowth.
 20.40 Asc. 240 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 41.77 Spur, slopes S. Desc. 115 ft. to
 49.60 Wash, course SW. Asc. 115 ft. to
 80.00 The true point for cor. of secs. 5, 6, 7 and 8.
 Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, cat claw and cacti.
 Some bunch grass.

From the true point for cor. of secs. 5, 6, 7 and 8, N.0° 2' W., on a random line, bet. secs. 5 and 6.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect N. bdy. of Tp., 26 lks. E. of the reestablished cor. of secs. 5, 6, 31 and 32, described in Book "A"

Thence
 S.0° 13' E., on a true line, bet. secs. 5 and 6.
 Over mountainous land, through scattering undergrowth.
 Asc. 350 ft. to
 12.00 Spur, slopes W. Desc. 185 ft. to
 26.55 Asc. 30 ft. to
 29.00 Clifty spur, slopes SE. Desc. 700 ft.
 40.04 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 53.90 Wash, course W. Asc. 165 ft. to
 72.15 Spur, slopes W. Desc. 160 ft. to
 79.79 The witness cor. to cor. of secs. 5, 6, 7 and 8. (0.25 N. 0° 2' W., of cor. point.)
 80.04 The true point for cor. of secs. 5, 6, 7 and 8.
 Land, mountainous. Soil, rocky, 4th rate.
 No timber.
 Undergrowth, cat claw, mesquite and yucca.
 Some bunch grass.

S.F.W.

GENERAL DESCRIPTION.

This township is exceedingly mountainous, the central portion being traversed by the main range of the Cerbat Mountains, with Mt. Tipton, the highest peak, which is

GENERAL DESCRIPTION.

Subdivision of T. 25 N., R. 18 W.

3. 51

about 7000 ft. above sea level, in the south east corner of sec. 15.

The north east portion and the north west portion change from steep mountainous to rolling and level land.

There are a few small water holes which contain water in the wet season.

The timber consists of pinion and juniper, with a few scattering cottonwoods and mesquite.

The undergrowth is scrub oak, small pinion, cacti, black brush, sagebrush and greasewood.

There is some native grass but it is not of abundant growth.

The soil is rock; and gravelly, sandy loam, 3rd and 4th rate, derived from conglomerate and granite.

No settlers live in this township.

J. D. K. Hatter
Surveyor
S. H. H. H.

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

6th. Standard Parallel North

Surveys executed on dates shown on these diagrams by S. Frank Walters
U.S. Transitman

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

6th Standard Parallel North.

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~ ^{TRANSITMAN}

BOOK 243

I, S. Frank Walters, U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 45, Arizona, bearing date of the 7th day of January, 191 5, 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 25 NORTH, RANGE 17 WEST,

and

TOWNSHIP 25 NORTH, RANGE 18 WEST,

of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented by the diagrams on the reverse hereof and in 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 Instructions, and the special written instructions of the U. S. Surveyor General for Group 45, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

S. Frank Walters
U. S. Surveyor
Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

....., 191

The foregoing field notes of the survey of

executed by

under his special instructions dated, 191 , 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.

Book "B"

Group 45 - Arizona.

~ DATE ADIAGRAMS ~

Showing dates on which surveys by E. J. Lange, U.S. Surveyor were executed.

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

6th Standard Parallel North.
RESURVEYED

56
BOOK 3243

CERTIFICATE OF UNITED STATES SURVEYOR.

I, W. J. Lange, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 45, Arizona, bearing date of the 7th day of January, 191 5 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 25 NORTH, RANGE 18 WEST, of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented by the diagram on the reverse hereof and in 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 Instructions, and the special written instructions of the U. S. Surveyor General for Group 45, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

E. J. Lange
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

....., 191

The foregoing field notes of the survey of

executed by

under his special instructions dated, 191 , 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.

| | | | | | | | |
|-----------------------|--------|----|---------------|-------------------|-----------|----|----|
| 12-8-15 | 6 | 5 | 12-9-15 | 4 | 3 | 2 | 1 |
| 12-8-15 | 7 | 8 | 12-9-15 | 9 | 10 | 11 | 12 |
| 12-8-15 | 18 | 17 | 12-9-15 | FIELD ASSISTANTS. | | 14 | 13 |
| | NAMES. | | T.25N. R.17W. | | CAPACITY. | | |
| RESURVEYED 12-8-15 | 19 | 20 | | 21 | 22 | 23 | 24 |
| 12-8-15 | 30 | 29 | 12-6-15 | 28 | 27 | 26 | 25 |
| 12-8-15 | 31 | 32 | 12-6-15 | 33 | 34 | 35 | 36 |

6th Standard Parallel North

Surveys executed on dates shown on these diagrams, by Sidney E. Blout, U.S. Surveyor.

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

6th. Standard Parallel North.

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Sidney E. Blout, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 45, Arizona, bearing date of the 7th day of January, 1915, 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 25 NORTH, RANGE 17 WEST, and

TOWNSHIP 25 NORTH, RANGE 18 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented by the diagrams on the reverse hereof and in 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 Instructions, and the special written instructions of the U. S. Surveyor General for Group 45, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Sidney E. Blout
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, March 17, 1919

The foregoing field notes of the survey of the

Completion of the Subdivision lines of

TOWNSHIP 25 NORTH, RANGE 17 WEST,

and

All of the Subdivision lines of

TOWNSHIP 25 NORTH, RANGE 18 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by Sidney E. Blout & E. J. Lange, U. S. Surveyors & S. Frank Walters, U. S. Transitman, under his special instructions dated January 7, 1915, for Group 45, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank J. Trotter
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.~~