

FIELD NOTES

RETRACEMENT
OF THE ~~SURVEY~~ OF THE

*of Part of the Subdivision lines and
Survey of* Completion of the

SUBDIVISION LINES

of

TOWNSHIP 27 NORTH, RANGE 1 EAST.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

W. H. Thorn,

In the capacity of U. S. Surveyor, under instructions dated March 6,, 1915,
issued by the United States Surveyor General to govern surveys included in
Group No. 54, which were approved by the Commissioner of the General Land
Office, December 14,, 1915.

Retracement and Survey commenced August 9,, 1916.

Retracement and Survey completed August 16,, 1916.

Executed under Assignment
Instructions dated May 6, 1916.



2999

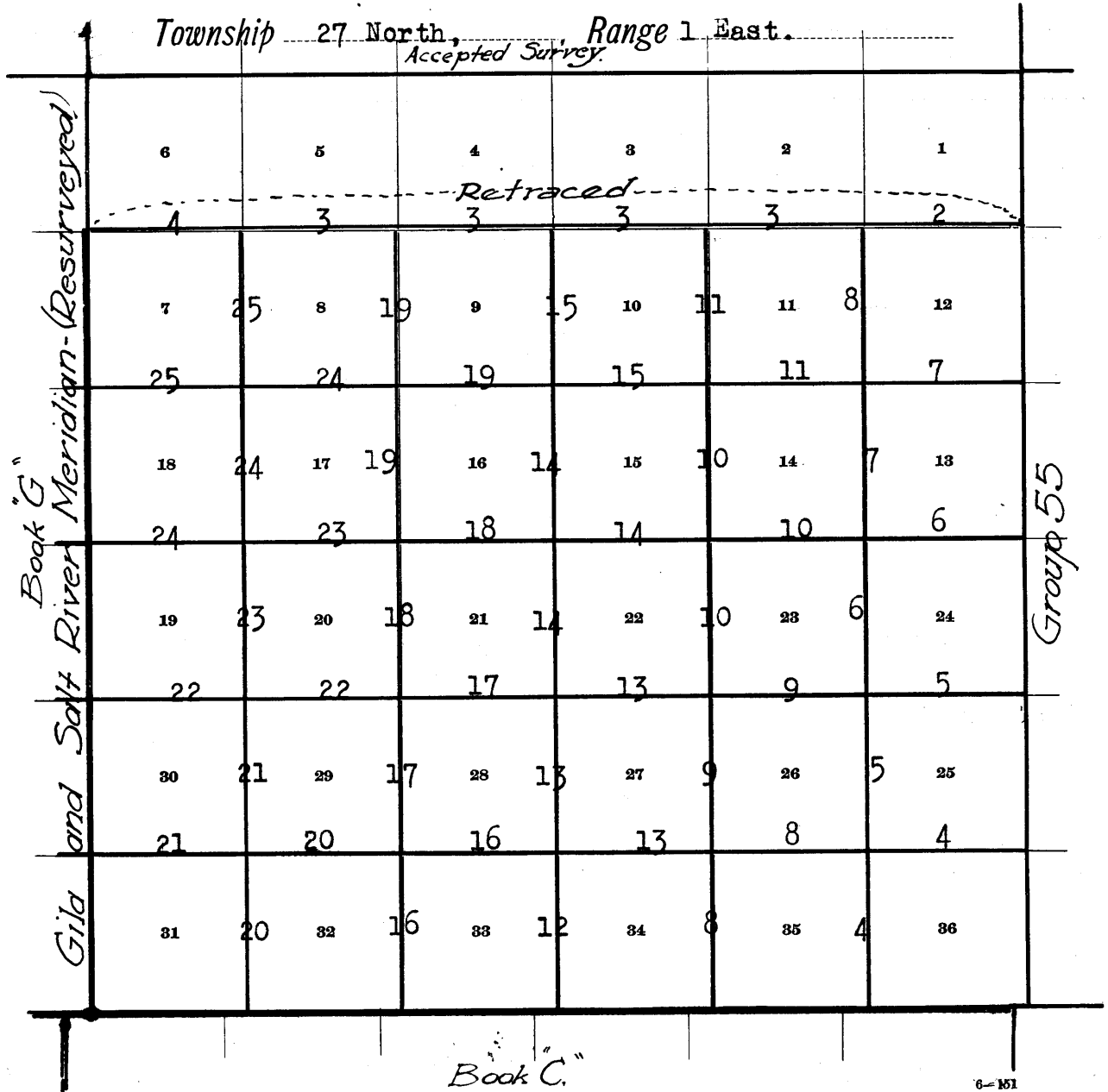
2999

1A

Book No. 2999

BOOK 2999

INDEX DIAGRAM.



- Surveyed or resurveyed under this group--notes in this book.
- Surveyed or resurveyed under this group--notes in book "A".
- Accepted surveys and current groups.

DATE DIAGRAM

of

BOOK 2999

T. 27 N., R. 1 E.

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8/4-16

Lines dated in red were executed by W. H. Thorn, U. S. Surveyor, on the dates shown on the above diagram.

2.

Completion of Subdivision of T. 27 N., R. 1 E.

Chains.

Survey commenced Aug. 5, 1916, and executed with Young and Sons' light mountain transit No. 8592, with Smith solar attachment. For description of instrument and certificate of approval, see Book "A".

I examine the adjustments of the transit, 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 determined by observations on Polaris, I proceed as follows:

At our camp, in sec. 32, T. 27 N., R. 1 E., in lat. $35^{\circ} 41\frac{1}{2}'$ N., long. $112^{\circ} 18'$ W., at 10 hrs. 37 m., p.m., l.m.t., by my watch, which is set to correct local mean time, I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark the line thus determined by a tack in a hub, set in the ground, 10 chs. N. of my station.

Aug. 5, 1916.

Aug. 6, 1916.

At 7 hrs. 0 m., a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ} 24\frac{1}{2}'$ to the W., and mark the meridian thus determined by a tack in a wooden hub, 10 chs. N. of my station.

At 8 hrs. 0 m., a.m., l.m.t., I set off $35^{\circ} 41\frac{1}{2}'$ N. on the lat. arc; $16^{\circ} 58\frac{1}{2}'$ N. 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 $16^{\circ} 56\frac{1}{2}'$ N. on the decl. arc; and observe the sun on the meridian; the resulting lat. is $35^{\circ} 41\frac{1}{2}'$ N.

At 4 hrs. 0 m., p.m., l.m.t., I set off $35^{\circ} 41\frac{1}{2}'$ N. on the lat. arc; $16^{\circ} 53'$ N. 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.

The solar apparatus, by a.m. and p.m. observations, defines positions for meridians which coincide with the meridian determined by observations on Polaris at elongation; therefore I conclude that the adjustments of the instrument are satisfactory.

Retracement of Latitudinal Section Lines, along S. bdrs., of secs. 1, 2, 3, 4, 5, and 6.

I commence at the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., which is a limestone, 5 X 9 X 5 ins., above ground, firmly set, marked and witnessed as described by the Surveyor-General.

Thence

40:16 West on a random line, along the S. bdy. of sec. 1. From this point, the $\frac{1}{4}$ sec. cor. bet. secs. 1 and 12, which is a limestone, 5 X 9 X 5 ins., above ground, firmly set, marked and witnessed as described by the Surveyor-General, brs. S. 30 lks. dist.

The true course and distance of this $\frac{1}{2}$ mile are therefore N. $89^{\circ} 34'$ E., 40.16 chs.

From the $\frac{1}{4}$ sec. cor.,

40:11 West on a random line, along the S. bdy. of sec. 1. From this point, the cor. of secs. 1, 2, 11 and 12, which is a limestone, 6 X 12 X 3 ins., above ground, firmly set, marked and witnessed as described by the Surveyor-General, brs. S. 24 lks. dist.

True course and distance of this $\frac{1}{2}$ mile are therefore N. $89^{\circ} 39'$ E., 40.11 chs.

From the cor. of secs. 1, 2, 11 and 12,

Completion of Subdivision of T. 27 N., R. 1 E.

Chains.

40.17 West on a random line, along the S. bdy. of sec. 2.
 From this point, the $\frac{1}{4}$ sec. cor. of sec. 2, which is a limestone, 6 X 8 X 3 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General, brs. S. 30 lks. dist.
 True course and distance of this $\frac{1}{2}$ mile are therefore N.89° 34' E., 40.17 chs.

40.13 From the $\frac{1}{4}$ sec. cor.,
 West on a random line, along the S. bdy. of sec. 2.
 From this point, the cor. of secs. 2, 3, 10 and 11, which is a limestone, 4 X 6 X 6 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General, brs. S. 23 lks. dist.
 True course and distance of this $\frac{1}{2}$ mile are therefore N.89° 40' E., 40.13 chs.

39.88 From the cor. of secs. 2, 3, 10 and 11.
 West on a random line, along the S. bdy. of sec. 3.
 From this point, the $\frac{1}{4}$ sec. cor. of sec. 3, which is a limestone, 6 X 6 X 3 ins., above ground, firmly set, marked and witnessed as described by the Surveyor-General, brs. S. 20 lks. dist.
 True course and distance of this $\frac{1}{2}$ mile are therefore N.89° 43' E., 39.88 chs.

39.96 From the $\frac{1}{4}$ sec. cor.,
 West on a random line, along the S. bdy. of sec. 3.
 From this point, the cor. of secs. 3, 4, 9 and 10, which is a limestone, 24 X 8 X 4 ins., set, marked and witnessed as described by the Surveyor-General, brs. S. 21 lks. dist.
 True course and distance of this $\frac{1}{2}$ mile are therefore N.89° 42' E., 39.96 chs.

40.23 From the cor. of secs. 3, 4, 9 and 10,
 West on a random line, along the S. bdy. of sec. 4,
 From this point, the $\frac{1}{4}$ sec. cor. of sec. 4, which is a limestone, 4 X 10 X 5 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General, brs. S. 21 lks. dist.
 True course and distance of this $\frac{1}{2}$ mile are therefore N.89° 42' E., 40.23 chs.

40.26 From the $\frac{1}{4}$ sec. cor.,
 West on a random line, along the S. bdy. of sec. 4,
 From this point, the cor. of secs. 4, 5, 8 and 9, which is a limestone, 6 X 10 X 4 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General, brs. S. 21 lks. dist.
 True course and distance of this $\frac{1}{2}$ mile are therefore N.89° 42' E., 40.26 chs. dist.

40.06 From the cor. of secs. 4, 5, 8 and 9,
 West on a random line, along the S. bdy. of sec. 5.
 From this point, the $\frac{1}{4}$ sec. cor. of sec. 5, which is a limestone, 6 X 8 X 4 ins., above ground, firmly set, marked and witnessed as described by the Surveyor-General, brs. S. 33 lks. dist.
 True course and distance of this $\frac{1}{2}$ mile are therefore N.89° 32' E., 40.06 chs.

From the $\frac{1}{4}$ sec. cor.,

4.

Completion of Subdivision of T. 27 N., R. 1 E.

Chains.

- 40.11 West on a random line, along the S. bdy. of sec. 5.
From this point, the cor. of secs. 5, 6, 7 and 8, which is a limestone, 18 X 12 X 10 ins., set marked and witnessed as described by the Surveyor-General, brs. S. 23 lks. dist.
True course and distance of this $\frac{1}{2}$ mile are therefore N.89° 40' E., 40.11 chs.
- 40.27 From the cor. of secs. 5, 6, 7 and 8,
West on a random line, along the S. bdy. of sec. 6.
From this point, the $\frac{1}{4}$ sec. cor. of sec. 6, which is a limestone, 18 X 12 X 4 ins., set, marked and witnessed as described by the Surveyor-General, brs. S. 7 lks. dist.
True course and distance of this $\frac{1}{2}$ mile are therefore N.89° 54' E., 40.27 chs.
- 39.22 From the $\frac{1}{4}$ sec. cor.,
West on a random line, along the S. bdy. of sec. 6.
From this point, the cor. of secs. 1, 6, 7 and 12, which is a limestone, 6 X 8 X 10 ins. above ground, reset as described in Book "A", brs. S. 16 lks. dist.
True course and distance of this $\frac{1}{2}$ mile are therefore N.89° 46' E., 39.22 chs.
- 40.00 From the cor. of secs. 35 and 36, on the S. bdy. of the Tp., which is an iron post, described in Book "A", N.0° 1' W., bet. secs. 35 and 36.
Over nearly 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
- | |
|---------------|
| $\frac{1}{4}$ |
| S35 S36 |
| 1916 |
- 80.00 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and spread the dirt around the post.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap
- | |
|------------|
| T27N R1E |
| S26 S25 |
| S35 S36 |
| 1916 |
- Dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist.; and spread the dirt around the post.
Soil, sandy clay; stony; limestone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.
Land, nearly level.
- 40.00 East on a random line, bet. secs. 25 and 36.
Set temp. $\frac{1}{4}$ sec. cor.
79.92 Intersect E. bdy. of Tp., 2 lks. S. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, established as described in the field notes of current Group No. 55.
Thence
S.89° 59' W., on a true line, bet. secs. 25 and 36.
Over nearly level land, through scattering undergrowth.
20.00 Road, brs. N.30° W. to Grand Canyon and S.30° E. to Williams.

Completion of Subdivision of T. 27 N., R. 1 E. 5

Chains.
 21.20 Grand Canyon R. R., brs. N.30° 4' W. to Grand Canyon and S. 30° 4' E., to Williams.
 21.70 Telegraph line, brs. N.30° 4' W. and S.30° 4' E.
 39.96 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

$\frac{1}{4}$ S25
 $\frac{1}{4}$ S36
 1916

79.92 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and spread the dirt around the post.
 The cor. of secs. 25, 26, 35 and 36.
 Land, nearly level.
 Soil, sandy clay; stony; limestone formation; 2nd rate.
 No timber.
 Undergrowth, sagebrush.

40.00 N.0° 1' W., bet. secs. 25 and 26.
 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

$\frac{1}{4}$ S26 | S25
 1916

80.00 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and spread the dirt around the post.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap

T27N | R1E
 S23 | S24
 S26 | S25
 1916

Dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist.; and spread the dirt around the post.
 Land, level
 Soil, sandy clay; stony; limestone formation; 2nd rate.
 No timber.
 Undergrowth, sagebrush.

40.00 East on a random line, bet. secs. 24 and 25.
 79.84 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect E. bdy. of Tp., 3 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, established as described in the field notes of current group No. 55.

39.92 Thence
 S.89° 59' W., on a true line, bet. secs. 24 and 25.
 Over nearly 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

$\frac{1}{4}$ S24
 $\frac{1}{4}$ S25
 1916

Dig pits, 18 X 18 X 12 ins., E and W. of post, 3 ft. dist.; and spread the dirt around the post.

6. Completion of Subdivision of T. 27 N., R. 1 W.

Chains.
 57.45 Draw, course N.70° W.
 65.85 Road, brs. N.30° W. to Grand Canyon and S.30° W. to Williams.
 67.45 Grand Canyon R. R. brs. N.30° 4' W. to Grand Canyon and
 S.30° 4' E. to Williams.
 67.90 Telegraph line brs. N.30° 4' W. and S.30° 4' E.
 79.84 The cor. of secs. 23, 24, 25 and 26.
 Land, nearly level.
 Soil, sandy clay; stony; limestone formation; 2nd rate.
 No timoer.
 Undergrowth, sagebrush.

N.0° 1' W., bet. secs. 23 and 24.
 Over nearly level land, through scattering undergrowth.
 8.80 Draw, course N.40° W.
 20.68 Telegraph line, brs. N.30° 4' W. and S.30° 4' E.
 21.48 Grand Canyon R. R. brs. N.30° 4' W. to Grand Canyon and
 S.30° 4' E.
 24.40 Road, brs. N.30° W. to Grand Canyon and S.30° E. to Williams.
 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

$\frac{1}{4}$
 S23 | S24

1916

Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
 dist.; and spread the dirt around the post.
 50.00 Draw, course W.
 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

T27N | R1E
 S14 | S13
 S23 | S24
 1916

From which
 A cedar, 6 ins. diam., brs. S.32° W., 189 lks. dist.,
 marked T27N R1E S23 BT.
 No other trees within limits. Dig pits, 18 X 18 X 12 ins.,
 in each sec., $5\frac{1}{2}$ ft. dist.; and spread the dirt around
 the post.
 Land, nearly level.
 Soil, sandy clay; stony; limestone formation; 2nd rate.
 Timber, scattering cedar.
 Undergrowth, sagebrush.

40.00 East on a random line, bet. secs. 13 and 24.
 79.84 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect E. bdy. of Tn., 6 lks. S. of the cor. of secs.
 13, 18, 19 and 24, which is an iron post, described in
 the field notes of current group No. 55.
 Thence
 S.89° 57' W., on a true line, bet. secs. 13 and 24.
 Over nearly level land, through scattering undergrowth.
 39.92 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

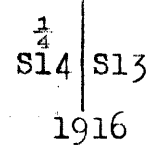
Completion of Subdivision of T. 27 N., R. 1 W. 7.

Chains.

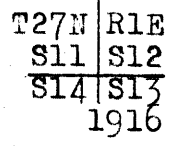
79.84 $\frac{1}{4}$ S13
~~S24~~
 1916

Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and spread the dirt around the post.
 The cor. of secs. 13, 14, 23 and 24.
 Land, nearly level.
 Soil, sandy clay; stony; limestone formation; 2nd rate.
 No timber.
 Undergrowth, sagebrush.

40.00 N.0° 1' W., bet. secs. 13 and 14.
 Over nearly 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



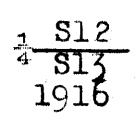
50.00 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and spread the dirt around the post.
 Desc. very gradually.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap



And raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Land, nearly level.
 Soil, sandy clay; stony; limestone formation; 2nd rate.
 Timber, very scattering cedar.
 Undergrowth, sagebrush.

40.00 East on a random line, bet. secs. 12 and 13.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.80 Intersect E. bdy. of Tp., 20 lks. S. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, described in the field notes of current group No. 55.

Thence
 S.89° 51' W., on a true line, bet. secs. 12 and 13.
 Over gently rolling land, through scattering timber and 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



61.70 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and spread the dirt around the post.
 Draw, course S.60° W.
 78.00 Draw, course NW.
 79.80 The cor. of secs. 11, 12, 13 and 14.
 Land, gently rolling.
 Soil, sandy clay; stony; limestone formation; 2nd rate.
 Timber, very scattering timber.
 Undergrowth, sagebrush.

8.

Completion of Subdivision of T. 27 N., R. 1 E.

Chains.

40.00 N.0° 1' W., on a random line, bet. secs. 11 and 12.
Set temp. $\frac{1}{4}$ sec. cor.

83.12 Intersect S. bdy. of sec. 1, 45 lks. N.89°39'E. of the cor. of secs. 1, 2, 11 and 12, which is a limestone, 4 X 12 X 8 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General.

Thence
S.0° 20' E., on a true line, bet. secs. 11 and 12.
Over gently rolling land, through scattering timber and undergrowth.

23.12 Draw, course S.50° W.

43.12 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

$\frac{1}{4}$
S11 | S12
1916

From which
A cedar, 15 ins. diam., brs. S.80° E., 364 lks. dist., marked $\frac{1}{4}$ S12 BT.
A cedar, 10 ins. diam., brs. N.8° W., 384 lks. dist., marked $\frac{1}{4}$ S11 BT.

82.12 Draw, 3 chs. wide, course N.40° W.

83.12 The cor. of secs. 11, 12, 13 and 14.
Land, gently rolling.
Soil, sandy clay; stony; limestone formation; 2nd rate.
Timber, scattering cedar.
Undergrowth, algerita and sagebrush.

From the cor. of secs. 34 and 35, on the S. bdy. of the Tp., which is an iron post, described in Book "A", N.0° 1' W., bet. secs. 34 and 35.
Over level land, through scattering undergrowth.

11.00 Road, brs. N.80° W. and S.80° E.

26.30 Dim road, brs. N.40° W. and S.40° E.

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

$\frac{1}{4}$
S34 | S35
1916

80.00 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and spread the dirt around the post.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked on brass cap

T27N | R1E
S27 | S26
S34 | S35
1916

Dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist.; and spread the dirt around the post.
Land, level.
Soil, sandy loam, gravelly; 2nd rate.
No timber.
Undergrowth, sagebrush.

40.00 East on a random line, bet. secs. 26 and 35.
Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line, 1 lk. S. of the cor. of secs. 25, 26, 35 and 36.

Completion of Subdivision of T. 27 N., R. 1 E. 9.

Chains.
 40.01 Thence
 West on a true line, bet. secs. 26 and 35.
 Over gently rolling 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

$\frac{1}{4}$ S26
 $\frac{1}{4}$ S35
 1916

80.02 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.; and spread the dirt around the post.
 The cor. of secs. 26, 27, 34 and 35.
 Land, gently rolling.
 Soil, sandy loam; gravelly surface; caliche subsoil; lime-
 stone formation; 2nd rate.
 No timber.
 Undergrowth, sagebrush.

40.00 N.0° 1' W., bet. secs. 26 and 27.
 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

$\frac{1}{4}$ S27 | S26
 1916

80.00 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
 dist.; and spread the dirt around the post.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 22, 23, 26 and 27, marked on
 brass cap

T27N R1E
 S22 | S23
 S27 | S26
 1916

Dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.;
 and spread the dirt around the post.
 Land, level.
 Soil, sandy loam; gravelly surface; caliche subsoil; lime-
 stone formation; 2nd rate.
 No timber.
 Undergrowth, sagebrush.

40.00 East on a random line, bet. secs. 23 and 26.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
 23, 24 25 and 26.

Thence
 S.89° 59' W., on a true line, bet. secs. 23 and 26.
 Over level 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

$\frac{1}{4}$ S23
 $\frac{1}{4}$ S26
 1916

80.00 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.; and spread the dirt around the post.
 The cor. of secs. 22, 23, 26 and 27.
 Land, level.
 Soil, sandy loam; gravelly surface; caliche subsoil; lime-

10. Completion of Subdivision of T. 27 N., R. 1 E.

Chains.

stone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

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

$\frac{1}{4}$
S22 S23

1916

80.00 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
dist.; and spread the dirt around the post.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground for cor. of secs. 14, 15, 22 and 23, marked on
brass cap

T27N R1E
S15 S14
S22 S23
1916

Dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.;
and spread the dirt around the post,
Land, level.
Soil, sandy loam; gravelly surface; caliche subsoil; lime-
stone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

40.00 East on a random line, bet. secs. 14 and 23.
Set temp. $\frac{1}{4}$ sec. cor.
79.96 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
13, 14, 23 and 24.

Thence

S.89° 59' W., on a true line, bet. secs. 14 and 23.
Over gently rolling land, through scattering timber and
undergrowth.

12.20 Road, brs. N.10° W. to Grand Canyon and S.10° E. to
Williams.

17.15 Grand Canyon R. R., brs. N.13° 30' W. to Grand Canyon and
S. 13° 30' E. to Williams.

17.55 Telegraph line, brs. N.13° 30' W. and S.13° 30' E.

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

$\frac{1}{4}$ S14
S23
1916

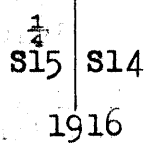
79.96 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
dist.; and spread the dirt around the post.
The cor. of secs. 14, 15, 22 and 23.
Land, gently rolling.
Soil, sandy loam; gravelly surface; caliche subsoil; lime-
stone formation; 2nd rate.
Timber, scattering cedar.
Undergrowth, sagebrush.

N.0° 1' W., bet. secs. 14 and 15.
Over level land, through scattering undergrowth.

Completion of Subdivision of T. 27 N., R. 1 E. 11.

Chains.
40.00

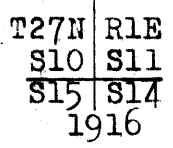
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and spread the dirt around the post.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, marked on brass cap



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

Land, level.
Soil, sandy loam; gravelly surface; caliche subsoil; limestone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

40.00

East on a random line, bet. secs. 11 and 14.
Set temp. $\frac{1}{4}$ sec. cor.

79.88

Intersect N. and S. line, 4 lks. S. of the cor. of secs. 11, 12, 13 and 14.

Thence
S. 89° 58' W., on a true line, bet. secs. 11 and 14.
Over gently rolling land, through scattering undergrowth.

12.40

Enter canyon, course SW.

17.90

Leave canyon, course SW.

22.40

Enter canyon, course NW.

25.10

Road, brs. N. 20° W. to Grand Canyon and S. 20° E. to Williams.

27.90

Leave canyon, course NW.

38.50

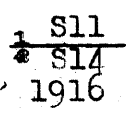
Grand Canyon R. R. brs. N. 28° W. to Grand Canyon and S. 28° E. to Williams.

39.20

Telegraph line, brs. N. 28° W. and S. 28° E.

39.94

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, 3 ft. base, 2 ft. high, N. of cor.

40.60

Draw, 5 chs. wide, 25 ft. deep, course N.

69.80

Dim road, brs. N. 30° W. and S. 30° E.

79.88

The cor. of secs. 10, 11, 14 and 15.

Land, gently rolling.
Soil, sandy clay; stony; limestone formation; 3rd rate.
No timber.
Undergrowth, sagebrush.

35.00

Knowing that a closing cor. will be required against secs. 2 and 3, I run

40.00

N. 0° 1' W., on a true line, bet. secs. 10 and 11.
Over level land, through scattering undergrowth.

Desc. gradually N. slope.
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

12. Completion of Subdivision of T. 27 N., R. 1 E.

Chains.

$\frac{1}{4}$
S10 S11
1916

Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and spread the dirt around the post.

50.00 Draw, course N.60° W.

52.50 Telegraph line, brs. N.57° W. and S.57° E.

53.30 Grand Canyon R. R. brs. N.57° W. to Grand Canyon and S. 57° E. to Williams. Asc. gradually.

60.00 Reservoir enclosed with fence brs. W. 1 ch. dist.

66.00 Draw, course SW.

82.87 Intersect S. bdy. of sec. 2, 107 lks. N.89°40'E. of the cor. of secs. 2 and 3, which is a limestone, hereinbefore described.

At the point of intersection, set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for closing cor. of secs. 11 and 12, marked on brass cap

C C
S10 S11
T27N R1E
1916

Dig pits, 24 X 18 X 12, crosswise on each line, E. and W., 3 ft. and S. of post, 7 ft. dist; and spread the dirt around the post.

Land, level and gently rolling.

Soil, sandy clay; stony; limestone formation; 3rd rate.

No timber.

Undergrowth, sagebrush.

From the cor. of secs. 33 and 34, on the S. bdy. of the Tp., which is an iron post, described in Book "A", N.0° 2' W., bet. secs. 33 and 34.

Over gently rolling land, through scattering undergrowth. Asc. gradually to

10.00 Desc. gradually.

22.90 Road, brs. E. and W.

26.40 Draw, course N.60° W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of earth, 3 ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor., marked on brass cap.

$\frac{1}{4}$
S33 S34
1916

Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and spread the dirt around the post.

Thence along W. slope.

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

T27N R1E
S28 S27
S33 S34
1916

Dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist.; and spread the dirt around the post.

Land, nearly level.

Soil, sandy clay; shallow; stony; limestone formation; 2nd rate.

No timber.

Undergrowth, sagebrush.

Completion of Subdivision of T. 27 N., R. 1 E. 13.

Chains.

40.00 East on a random line, bet. secs. 27 and 34.
Set temp. 1/4 sec. cor.
80.00 Intersect N. and S. line, 2 lks. N. of the cor. of secs.
26, 27, 34 and 35.

Thence
N. 89° 59' W., on a true line, bet. secs. 27 and 34.
Over level land, through scattering undergrowth.
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

1/4 S27
1/4 S34
1916

72.40 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
dist.; and spread the dirt around the post.

80.00 Dim road, brs. NW. and SE.
The cor. of secs. 27, 28, 33 and 34.

Land, level.
Soil, sandy loam; gravelly surface; caliche subsoil; lime-
stone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

6.60 N. 0° 2' W., bet. secs. 27 and 28.
Over level land, through scattering undergrowth.
Road, brs. NW. and SE.

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

1/4
S28 | S27
1916

79.80 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
dist.; and spread the dirt around the post.

80.00 Draw, course N. 40° W.
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

T27N | R1E
S21 | S22
S28 | S27
1916

Dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft. dist.;
and spread the dirt around the post.

Land, level.
Soil, sandy clay; limestone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

40.00 East on a random line, bet. secs. 22 and 27.
Set temp. 1/4 sec. cor.
79.96 Intersect N. and S. line, 2 lks. N. of the cor. of secs.
22, 23, 26 and 27.

Thence
N. 89° 59' W., on a true line, bet. secs. 22 and 27.
Over level and gently rolling land, through scattering
undergrowth.

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

1/4 S22
1/4 S27
1916

14. Completion of Subdivision of T. 27 N., R. 1 E.

Chains.

79.96 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and spread the dirt around the post.
The cor. of secs. 21, 22, 27 and 28.
Land, gently rolling and level.
Soil, sandy clay; limestone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

40.00 N.0° 2' W., bet. secs. 21 and 22.
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

$$\frac{1}{4} \begin{array}{|l} \hline S21 \quad S22 \\ \hline \end{array}$$

1916

80.00 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and spread the dirt around the post.
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

$$\begin{array}{|l} \hline T27N \quad R1E \\ \hline S16 \quad S15 \\ \hline S21 \quad S22 \\ \hline \end{array}$$

1916

Dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist.; and spread the dirt around the post.
Land, level.
Soil, sandy clay; limestone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

40.00 East on a random line, bet. secs. 15 and 22.
Set temp. $\frac{1}{4}$ sec. cor.
79.96 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 14, 15, 22 and 23.

Thence

N.89° 58' W., on a true line, bet. secs. 15 and 22.
Over gently rolling land, almost level, through scattering undergrowth.

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

$$\frac{1}{4} \begin{array}{|l} \hline S15 \\ \hline S22 \\ \hline \end{array}$$

1916

79.96 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and spread the dirt around the post.
The cor. of secs. 15, 16, 21 and 22
Land, nearly level and gently rolling.
Soil, sandy clay; stony; limestone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

32.10 N.0° 2' W., bet. secs. 15 and 16.
Over level land, through scattering undergrowth.
Draw, course S.60° W. Asc. gradually.
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

Completion of Subdivision of T. 27 N., R. 1 E.

15.

Chains

$\frac{1}{4}$ |
S16 | S15

1916

45.00
75.00
80.00

Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and spread the dirt around the post,
Thence along E. slope.
Desc. gradually.
Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, in a mound of stone, 3 ft. base, 2 ft. high, for cor. of secs. 9, 10, 15 and 16, marked on brass cap

T27N | R1E
S 9 | S10
S16 | S15
1916

and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.

Land, level.
Soil, sandy clay; stony; limestone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

40.00
79.96

East on a random line, bet. secs. 10 and 15.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 5 lks. N. of the cor. of secs. 10, 11, 14 and 15.

Thence

N.89° 58' W., on a true line, bet. secs. 10 and 15.

Over gently rolling land, through scattering undergrowth.

39.98

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the in a mound of stone, 3 ft. base, 2 ft. high, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ | S10
S15
1916

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

40.95
79.96

Head of draw, course N.10° W.
The cor. of secs. 9, 10, 15 and 16.

Land, gently rolling.
Soil, sandy clay; stony; limestone formation; 3rd rate.
No timber.
Undergrowth, sagebrush.

9.20

N.0° 2' W., on a true line, bet. secs. 9 and 10.
Over gently rolling land, through scattering undergrowth.
Draw, 3 chs. wide, 50 ft. deep, course S.70° W. Asc. 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

$\frac{1}{4}$ |
S 9 | S10
1916

16. Completion of Subdivision of T. 27 N., R. 1 E.

Chains.

And raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Desc. to
 48.00 Draw, course SE. Asc. gradually.
 82.42 Intersect S. bdy. of sec. 3, 82 lks. N. 89° 42' E. of the cor. of secs. 3 and 4, which is a limestone, 24 X 8 X 4 ins., hereinbefore described.
 At the point of intersection, set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, 3 ft. base, 2 ft. high, for closing cor. of secs. 9 and 10, marked on brass cap

C C	
S 9	S 10
T 27 N	R 1 E
1916	

And raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
 Land, gently rolling.
 Soil, sandy clay; stony; limestone formation; 3rd rate.
 No timber.
 Undergrowth, sagebrush.

From the cor. of secs. 32 and 33, on the S. bdy. of the Tp., which is an iron post, described in Book "A", N. 0° 3' W., bet. secs. 32 and 33.
 Over nearly level land, through scattering undergrowth.
 30.00 Desc. very gradually.
 32.60 Road, brs. E. and W.
 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

¼	
S 32	S 33
1916	

Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and spread the dirt around the post.
 75.00 Asc. gradually.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked on brass cap

T 27 N	R 1 E
S 29	S 28
S 32	S 33
1916	

Dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist.; and spread the dirt around the post.
 Land, nearly level.
 Soil, sandy clay; limestone formation; 2nd rate.
 No timber.
 Undergrowth, sagebrush.

East on a random line, bet. secs. 28 and 33.
 40.00 Set temp. ¼ sec. cor.
 79.96 Intersect N. and S. line, at the cor. of secs. 27, 28, 33 and 34.
 Thence
 West on a true line, bet. secs. 28 and 33.
 Over nearly level land, through scattering undergrowth.
 39.98 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

Completion of Subdivision of T. 27 N., R. 1 E. 17.

Chains.

$\frac{1}{4}$ S28
 $\frac{1}{4}$ S33
 1916

79.96 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and spread the dirt around the post.
 The cor. of secs. 28, 29, 32 and 33.
 Land, nearly level.
 Soil, sandy clay; limestone formation; 2nd rate.
 No timber.
 Undergrowth, sagebrush.

40.00 N.0° 3' W., bet. secs. 28 and 29.
 Over nearly level land, through scattering undergrowth.
 Asc. gradually.
 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, 3 ft. base, 1½ ft. high, for ¼ sec. cor., marked on brass cap

$\frac{1}{4}$ S29 | S28
 1916

68.00 And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Desc. N. slope.
 Draw, course NW. Thence along W. slope.
 73.50 Road, brs. N.60° W. and S.60° 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

T27N | R1E
 S20 | S21
 S29 | S28
 1916

Dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist.; and spread the dirt around the post.
 Land, nearly level.
 Soil, sandy clay; stony; limestone formation; 2nd rate.
 No timber.
 Undergrowth, sagebrush.

40.00 East on a random line, bet. secs. 21 and 28.
 Set temp. ¼ sec. cor.
 79.92 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 21, 22, 27 and 28.

Thence
 N.89° 59' W., on a true line, bet. secs. 21 and 28.
 Over gently rolling land, through scattering undergrowth.
 0.40 Draw, course N.50° W.
 26.30 Draw, course S.60° W.
 39.96 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, 3 ft. base, 2 ft. high, for ¼ sec. cor., marked on brass cap

S21
 $\frac{1}{4}$ S28
 1916

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

18. Completion of Subdivision of T. 27 N., R. 1 E.

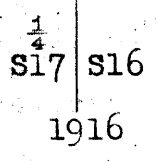
Chains. 62.90 79.92	Draw, course N.30° W. Asc. gradually. The cor. of secs. 20, 21, 28 and 29. Land, gently rolling. Soil, sandy clay; stony; limestone formation; 2nd rate. No timber. Undergrowth, sagebrush.
23.80 40.00	N.0° 3' W., bet. secs. 20 and 21. Over gently rolling land, through scattering undergrowth. Head of ravine, 1 ch. wide, 30 ft. deep, course N.80° W. Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in. the ground, in a mound of stone, 3 ft. base, 2 ft. high, for ¼ sec. cor., marked on brass cap $\begin{array}{c} \frac{1}{4} \\ \hline \text{S20} \quad \text{S21} \\ \hline 1916 \end{array}$ And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. 40.70 Left bank of Miller Canyon, brs. N.70° E. and S.70° W. 43.67 Miller Canyon, 7 chs. wide, 50 ft. deep, course S.70° W. 47.70 Right bank of canyon, brs. N.70° E. and S.70° W. 50.00 Enter scattering timber, brs. E. and W. 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 $\begin{array}{c} \text{T27N} \quad \text{R1E} \\ \hline \text{S17} \quad \text{S16} \\ \hline \text{S20} \quad \text{S21} \\ \hline 1916 \end{array}$
40.00 79.90 39.95	East on a random line, bet. secs. 16 and 21. Set temp. ¼ sec. cor. Intersect N. and S. line, 5 lks. S. of the cor. of secs. 15, 16, 21 and 22. Thence S.89° 58' W., on a true line, bet. secs. 16 and 21. Over gently rolling land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, 4 ft. base, 2½ ft. high, for ¼ sec. cor., marked on brass cap $\begin{array}{c} \text{S16} \\ \hline \frac{1}{4} \text{ S21} \\ \hline 1916 \end{array}$ And raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. 52.30 Ravine, 4 chs. wide, 40 ft. deep, course S.30° W. Comes from N.60° E. 54.90 Miller Canyon, 7 chs. wide, 40 ft. deep, course S.30° W. 60.10 Right bank of canyon, brs. N.30° E. and S.30° W. 73.90 Draw, course S. 79.90 The cor. of secs. 16, 17, 20 and 21. Land, gently rolling. Soil, sandy clay; shallow; stony; limestone formation; 2nd rate.

Completion of Subdivision of T. 27 N., R. 1 E. 19.

Chains.

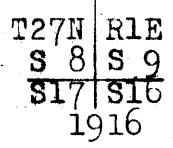
No timber.
Undergrowth, sagebrush.

40.00 N.0° 3' W., bet. secs. 16 and 17.
Over gently rolling land, through scattering undergrowth.
Asc. very gradually.
Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of earth and stone, 3 ft. base, 1½ ft. high, for ¼ sec. cor., marked on brass cap.



41.90 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and spread the dirt around the post.
80.00 Desc. to
Head of draw, course E.

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

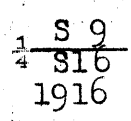


And raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Land, gently rolling.
Soil, sandy clay; shallow; stony; limestone formation; 2nd rate.
No timber.
Undergrowth, algerita and sagebrush.

40.00 East on a random line, bet. secs. 9 and 16.
79.90 Set temp. ¼ sec. cor.
Intersect N. and S. line, 5 lks. S. of the cor. of secs. 9, 10, 15 and 16.

Thence
S.89° 58' W., on a true line, bet. secs. 9 and 16.
Over gently rolling land, through scattering undergrowth.
Desc. 70 ft. to

20.90 Draw, course S.10° W. Thence along S. slope.
39.95 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



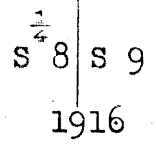
60.00 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and spread the dirt around the post.

79.90 Asc. gradually.
The cor. of secs. 8, 9, 16 and 17.
Land, gently rolling.
Soil, sandy clay; stony; limestone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

N.0° 3' W., on a true line, bet. secs. 8 and 9.
Over nearly level land, through scattering undergrowth.

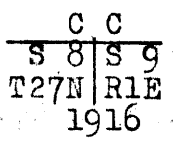
20. Completion of Subdivision of T. 27 N., R. 1 E.

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



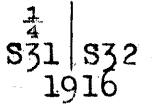
Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and spread the dirt around the post.
50.00 Desc. gradually.
74.00 Road, brs. N.40° E. and S.40° W.
82.11 Intersect S. bdy. of sec., 4, 147 lks. N.89°42'E. of the cor. of secs. 4 and 5, which is a limestone, hereinbefore described.

At the point of intersection, set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground, in a mound of earth and stone, for closing cor. of secs. 8 and 9, marked on brass cap

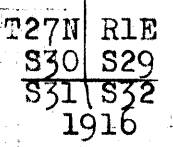


Dig pits, 24 X 18 X 12 ins., crosswise on each line, E. and W. of post, 3 ft.; and S. of post, 7 ft. dist.; and spread the dirt around the post.
Land, nearly level.
Soil, sandy clay; limestone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

From the cor. of secs. 31 and 32, on the S. bdy. of the Tp., which is an iron post, described in Book "A", N.0° 3' W., bet. secs. 31 and 32.
Over gently rolling land, through scattering undergrowth.
32.30 Draw, course W.
37.50 Road, brs. E. and W.
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



Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and spread the dirt around the post.
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



Dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist.; and spread the dirt around the post.
Land, gently rolling.
Soil, sandy clay; stony; limestone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

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

Completion of subdivision of T. 27 N., R. 1 E. 21.

Chains.	and 33. Thence West on a true line, bet. secs. 29 and 32. Over level land, through scattering undergrowth. 40.07 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground, in a mound of earth and stone, 3 ft. base, 1½ ft. high, for ¼ sec. cor., marked on brass cap
	$\begin{array}{r} \frac{1}{4} S29 \\ \frac{1}{4} S32 \\ \hline 1916 \end{array}$
80.14	Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and spread the dirt around the post. The cor. of secs. 29, 30, 31 and 32. Land, level. Soil, sandy clay; limestone formation; 2nd rate. No timber. Undergrowth, sagebrush.
40.00	West on a random line, bet. secs. 30 and 31. Set temp. ¼ sec. cor.
81.21	Intersect Gila and Salt River Meridian, 1 lk. N. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, reestablished as described in Book "A". Thence East on a true line, bet. secs. 30 and 31. Over broken land, through scattering undergrowth and timber.
0.40	Right bank of Miller Canyon, 120 ft. deep, brs. N. and S.
6.50	Left Bank of canyon, brs. N. and S. Asc. gradually.
9.90	Desc.
24.90	Left bank of small canyon, brs. N. and S.
27.80	Small canyon, course N. Heads 3 chs. S. Enters Miller Canyon 1 ch. N. Asc. along S. wall of Miller Canyon.
34.80	Desc. to
37.70	Draw, course NW. Asc.
41.21	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap
	$\begin{array}{r} \frac{1}{4} S30 \\ \frac{1}{4} S31 \\ \hline 1916 \end{array}$
	And raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
51.20	Thence over gently rolling land.
81.21	The cor. of secs. 29, 30, 31 and 32. Land, gently rolling. Soil, sandy clay; stony; limestone formation; 3rd rate. Timber, scattering cedar. Undergrowth, sagebrush.
11.00	N.0° 3' W., bet. secs. 29 and 30. Over rolling land, through scattering undergrowth. Draw, course NW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, 3 ft. base, 1½ ft. high, for ¼ sec. cor., marked on brass cap
	$\begin{array}{r} \frac{1}{4} S30 \\ \hline S29 \\ \hline 1916 \end{array}$

22.

Completion of Subdivision of T. 27 N., R. 1 E.

Chains.

44.50	Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and spread the dirt around the post.								
51.40	Left bank of Miller Canyon, brs. NE. and SW.								
59.00	Right bank of Miller Canyon, brs. NE. and SW.								
80.00	Draw, course SE.								
	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								
	<table border="1"> <tr><td>T27N</td><td>R1E</td></tr> <tr><td>S19</td><td>S20</td></tr> <tr><td>S30</td><td>S29</td></tr> <tr><td colspan="2">1916</td></tr> </table>	T27N	R1E	S19	S20	S30	S29	1916	
T27N	R1E								
S19	S20								
S30	S29								
1916									
	Dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist.; and spread the dirt around the post.								
	Land, rolling.								
	Soil, sandy clay; stony; limestone formation; 2nd rate.								
	No timber.								
	Undergrowth, sagebrush.								
40.00	East on a random line, bet. secs. 20 and 29.								
80.15	Set temp. ¼ sec. cor.								
	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 20, 21, 28 and 29.								
	Thence								
	N.89° 57' W., on a true line, bet. secs. 20 and 29.								
	Over gently rolling land, through scattering undergrowth.								
	Desc. gradually, 40 ft.								
10.80	Road, brs. N.60° W. and S.60° E.								
13.40	Draw, course N.70° W.								
40.07½	Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, 4 ft. base, 2½ ft. high, for ¼ sec. cor., marked on brass cap								
	<table border="1"> <tr><td>¼</td><td>S20</td></tr> <tr><td>¼</td><td>S29</td></tr> <tr><td colspan="2">1916</td></tr> </table>	¼	S20	¼	S29	1916			
¼	S20								
¼	S29								
1916									
	And raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.								
46.80	Left bank of Miller Canyon, brs. N.20° E. and S.20° W.								
48.40	Miller canyon, 30 ft. deep, course S.20° W.								
50.00	Right bank of Miller Canyon, brs. N.20° E. and S.20° W.								
80.15	The cor. of secs. 19, 20, 29 and 30.								
	Land, gently rolling.								
	Soil, sandy clay; stony; limestone formation; 3rd rate.								
	No timber.								
	Undergrowth, sagebrush.								
40.00	West on a random line, bet. secs. 19 and 30.								
81.15	Set temp. ¼ sec. cor.								
	Intersect Gila and Salt River Meridian, 8 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, reestablished as described in Book "A".								
	Thence								
	S.89° 57' E., on a true line, bet. secs. 19 and 30.								
	Over gently rolling land, through scattering undergrowth.								
41.15	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, 3 ft. base, 2 ft. high, for ¼ sec. cor., marked on brass cap								
	<table border="1"> <tr><td>¼</td><td>S19</td></tr> <tr><td>¼</td><td>S30</td></tr> <tr><td colspan="2">1916</td></tr> </table>	¼	S19	¼	S30	1916			
¼	S19								
¼	S30								
1916									
	Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and spread the dirt around the post.								

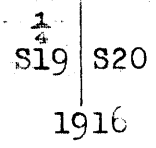
Completion of Subdivision of T. 27 N., R. 1 E. 23.

Chains
81.15

The cor. of secs. 19, 20, 29 and 30.
Land, gently rolling.
Soil, sandy clay; gravelly; limestone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

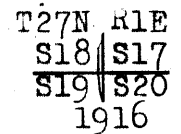
30.00
40.00

N.0° 3' W., bet. secs. 19 and 20.
Over gently rolling land, through scattering undergrowth.
Draw, course E.
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



50.00
74.00
80.00

And raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
Draw, course S.70° E.
Draw, course S.50° E.
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



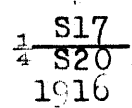
Dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft. dist.; and spread the dirt around the post.
Land, gently rolling.
Soil, sandy clay; stony; limestone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

40.00
80.17

East on a random line, bet. secs. 17 and 20.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, at the cor. of secs. 16, 17, 20 and 21.

38.55
40.08 1/2

Thence
West on a true line, bet. secs. 17 and 20.
Over gently rolling land, through scattering undergrowth.
Draw, course S.10° 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



62.35
80.17

And raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
Draw, course S. Dim road in draw, brs. N. and S.
The cor. of secs. 17, 18, 19 and 20.
Land, gently rolling.
Soil, sandy clay; stony; limestone formation; 2nd rate.
No timber.
Undergrowth, sagebrush.

24. Completion of Subdivision of T. 27 N., R. 1 E.

Chains.

West on a random line, bet. secs. 18 and 19.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 81.04 Intersect Gila and Salt River Meridian 4 lks. S. of the
 cor. of secs. 13, 18, 19 and 24, which is an iron post,
 reestablished as described in Book "A".
 Thence
 S $89^{\circ} 58'$ E., on a true line, bet. secs. 18 and 19.
 Over gently rolling land, through scattering timber and
 undergrowth.
 7.65 Draw, course S. 10° E.
 30.05 Head of draw, course S. 40° E.
 41.04 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

$$\begin{array}{r} \frac{1}{4} \text{ S18} \\ \frac{1}{4} \text{ S19} \\ \hline 1916 \end{array}$$

From which

A pinion, 6 ins. diam., brs. N. 82° E., 287 lks. dist.,
 marked $\frac{1}{4}$ S18 BT.

No other trees within limits. Dig pits, 18 X 18 X 12 ins.,
 E. and W. of post, 3 ft. dist.; and spread the dirt
 around the post.

Desc. gradually to

81.04 The cor. of secs. 17, 18, 19 and 20.
 Land, gently rolling.
 Soil, sandy clay; stony; limestone formation; 3rd rate.
 Timber, scattering cedar and pinion.
 Undergrowth, algerita and sagebrush.

N. $0^{\circ} 3'$ W., bet. secs. 17 and 18.
 Over gently rolling land, through scattering undergrowth.
 23.80 Draw, course S. 40° E. Dim road in draw, brs. N. 40° W. and
 S. 40° E.
 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

$$\begin{array}{r} \frac{1}{4} \text{ S18} | \text{S17} \\ \hline 1916 \end{array}$$

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

50.00 Earth dam brs. W. about 20 chs. dist.
 72.00 Road, brs. N. 40° E. and S. 40° W.
 79.80 Head of draw, course S. 40° E.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 7, 8, 17 and 18, marked on
 brass cap

$$\begin{array}{r} \text{T27N} | \text{R1E} \\ \text{S 7} | \text{S 8} \\ \hline \text{S18} | \text{S17} \\ 1916 \end{array}$$

Dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.;
 and spread the dirt around the post.

Land, gently rolling.

Soil, sandy clay; stony; limestone formation; 3rd rate.

No timber.

Undergrowth, sagebrush.

40.00 East on a random line, bet. secs. 8 and 17.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.14 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
 8, 9, 16 and 17.

Completion of Subdivision of T. 27 N., R. 1 E. 25.

Chains.

Thence
 S.89° 59' W., on a true line, bet. secs. 8 and 17.
 Over gently rolling land, through scattering undergrowth.
 Draw, course S.30° E.
 30.15
 40.07 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

$\frac{1}{4}$ S 8
 $\frac{1}{4}$ S 17
 1916

58.05 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.; and spread the dirt around the post.
 Draw, course S.30° E.
 71.35 Road, brs. N.40° E. and S.40° W.
 80.14 The cor. of secs. 7, 8, 17 and 18,
 Land, gently rolling.
 Soil, sandyclay; stony; limestone formation; 3rd rate.
 No timber.
 Undergrowth, sagebrush.

40.00 West on a random line, bet. secs. 7 and 18.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.94 Intersect Gila and Salt River Meridian, 5 lks. N. of the
 cor. of secs. 7, 12, 13 and 18, which is an iron post,
 reestablished as described in Book "A"

Thence
 N.89° 58' E., on a true line, bet. secs. 7 and 18.
 Over rolling land, through scattering timber and under-
 growth. Desc. 75 ft.
 40.94 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

$\frac{1}{4}$ S 7
 $\frac{1}{4}$ S 18
 1916

And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N.
 of cor.
 41.44 Draw, course S.40° E. Asc. 15 ft. to
 45.95 Desc. 70 ft. to
 80.94 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling.
 Soil, sandy clay; stony; limestone formation; 3rd rate.
 Timber. scattering cedar.
 Undergrowth, algerita and sagebrush.

40.00 N.0° 3' W., on a true line, bet. secs. 7 and 8.
 Over gently rolling 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

$\frac{1}{4}$ S 7 | S 8
 1916

81.50 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3ft.
 dist.; and spread the dirt around the post.
 Intersect S. bdy. of sec. 5, 15 $\frac{1}{2}$ lks. N.89°40'E. of the cor.
 of secs. 5 and 6, which is a limestone, hereinbefore
 described.
 At the point of intersection, set an iron post, 3 ft. long,
 1 in. diam., 6 ins. in the ground, in a mound of stone,
 3 ft. base, 2 ft. high, for closing cor. of secs. 7

Chains.

and 8, marked on brass cap

C	C
S 7	S 8
T27N	R1E
1916	

And raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.

Land, gently rolling.

Soil, sandy clay; stony; 3rd rate; limestone formation; No timber.

Undergrowth, sagebrush and algerita.

GENERAL DESCRIPTION.

In the southern and eastern part of this township, the surface is level; the remainder is rolling land.

The soil is a sandy clay, from one-half ft. to 2 ft. deep, underlaid by limestone. The western part and along Miller Canyon is rocky;

There is a scattering growth of cedar and pinion timber in the northeastern part of the township, and along Miller Canyon. Sagebrush and algerita, and a fair growth of native grasses comprise the vegetation.

The Grand Canyon R. R. enters the township near the $\frac{1}{4}$ sec. cor. bet. secs. 31 and 36, on the east boundary of the township, and traverses the township in a northwesterly direction.

There are no settlers nor is there any water in the township, except in dams built across the draws.

274 28 27

BOOK 2999


FOR CERTIFICATES OF UNITED STATES SURVEYOR.

See book "B" of Group 54.

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191____, 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 _____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear 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 _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, *August 3*, 191*8*

The foregoing field notes of the ~~Retractions of part of the subdivision lines~~
and Survey of Completion of the
Subdivision Lines, of

TOWNSHIP 27 NORTH, RANGE 1 EAST,

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

executed by W. H. Thorn, U. S. Surveyor, under his special instructions dated March 6, 1915, for Group 54, 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 D. Frost

U. S. Surveyor General.
of Arizona.

I certify that the foregoing transcript of the field notes of the above described surveys in ~~Book "F," of Group 54~~, has been correctly copied from the original notes on file in this office.