

Subdivisions

BOOK 2945

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES OF

TOWNSHIP 15 NORTH, RANGE 17 WEST,

2945

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Albert Smith, Jr., U. S. Surveyor,

and

J. M. McKinney, Jr., U. S. Transitman,

2945

~~In the capacity of U. S. Surveyor~~, under instructions dated December 28, 1914,
issued by the United States Surveyor General to govern surveys included in
Group No. 42, which were approved by the Commissioner of the General Land
Office, January 22, 1915.

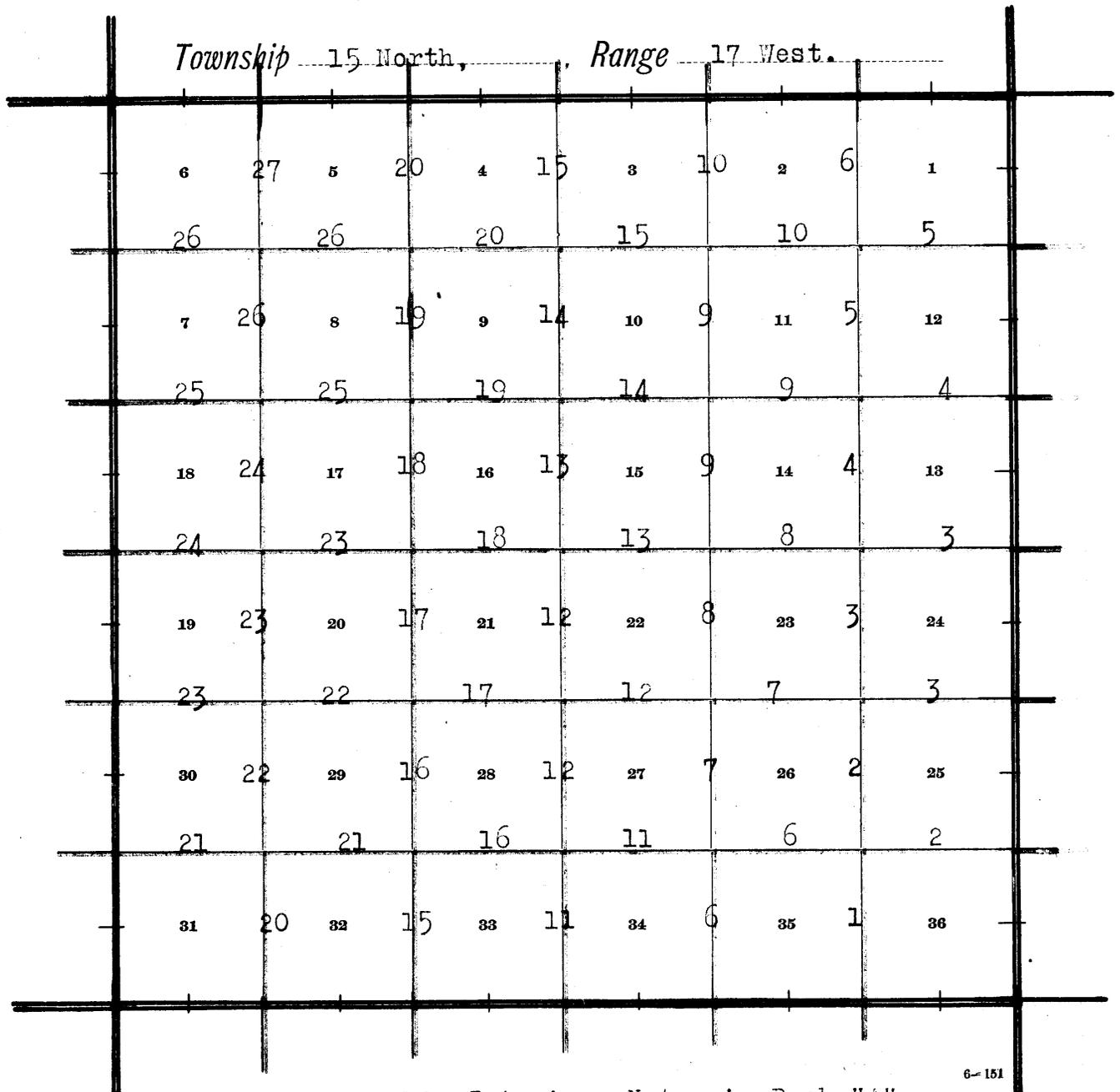
Survey commenced May 6, 1915

Survey completed May 12, 1915

BOOK 1945

Book "M"
Group 42, Arizona
(Subdivisions)

INDEX DIAGRAM.



6-151

- Township Exterior, Notes in Book "A"
- Subdivision lines surveyed under this Group.
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Subdivision of T. 15 N., R. 17 W.

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Chains.

Survey commenced May 6, 1915, and executed jointly by Albert Smith, Jr., U. S. Surveyor, and J. M. McKinney, Jr., U. S. Transitman, with Young and Sons' light mountain transits Nos. 8540 and 8483, respectively, with Smith solar attachments. For description of instruments, and certificate of approval, see Book "A", and subdivision of T. 13 N., R. 18 W.

In the following field notes, the initials A. S. and J. M. M. refer to Albert Smith, Jr., U. S. Surveyor, and J. M. McKinney, Jr., U. S. Transitman, respectively.

We examine the adjustments of the transits and make the necessary corrections; 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, we proceed as follows:-

At our camp in Sec. 16, T. 15 N., R. 17 W., lat. 34° 38½' N., long 114° 2' W., at 4 hrs. 30 m. p.m., l.m.t., we set off 34° 38½' N. on the lat. arcs; 16° 28' N. on the decl. arcs; and determine a meridian with each solar. The two meridians coincide.

May 6, 1915.

May 7, 1915: At 4 hrs. 34.3 m., a.m., l.m.t., by our watches, which are set to correct local mean time, we observe Polaris at elongation, in accordance with the Manual of Instructions, and mark a point in the lines thus determined by nails driven in hubs 5 chs. N. of our stations.

At 6 hrs. 50 m., a.m., l.m.t., we lay off the azimuth of Polaris, 1° 24' to the west. The meridian thus determined coincides with the meridians determined by the solars last evening.

At 7 hrs. 0 m., a.m., l.m.t., we set off 34° 38½' N. on the lat. arcs; 16° 38½' N. on the decl. arcs; and determine a meridian with each solar. Each meridian thus determined coincides with the meridian determined by observations on Polaris at elongation. We therefore conclude that the transits are in satisfactory adjustment.

A. S. and J. M. M.
May 7, 1915.

May 8, 1915. A. S.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., which is an iron post, established by J. M. M., as described in Book "A", I run

N.0° 1' W., bet. secs. 35 and 36.

Over rolling land, through dense undergrowth.

27.25

Old road, brs. NE. and SW.

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;

½ in N.,

S36 in E. and

S35 in W. half;

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.

53.40

Old road, brs. NE. and SW.

80.00

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

2. Subdivision of T. 15 N., R. 17 W.

Chains.	<p>1915 on S. rim; T15N R17W in N. half; S26 in NW., S25 in NE., S36 in SE. and S35 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, rolling desert. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood, yucca and cacti.</p>
40.00	N. $89^{\circ} 59'$ E., on a random line, bet. secs. 25 and 36. Set temp $\frac{1}{4}$ sec. cor.
80.04	Intersect E. bdy of Tp., 9 lks. S. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, established by J. M. M., as described in Book "A". Thence I run S. $89^{\circ} 55'$ W., on a true line, bet. secs. 25 and 36. Over rolling land, through dense undergrowth.
30.35	Old road, brs. NE. and SW.
40.02	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; S25 in N., S36 in S. and $\frac{1}{4}$ in W. 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.
64.25	Old road, brs. NE. and SW.
80.04	The cor. of secs. 25, 26, 35 and 36. Land, rolling desert. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood and yucca.
40.00	N. $0^{\circ} 1'$ W., bet. secs. 25 and 26. Over rolling desert land, through dense 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; $\frac{1}{4}$ in N., S25 in E. and S26 in W. 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.
80.00	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 1915 on S. rim; T15N R17W in N. half; S23 in NW., S24 in NE., S25 in SE. and S26 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, rolling desert. Soil, sandy loam, 2nd rate. No timber.

Subdivision of T. 15 N., R. 17 W.

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Chains.

Undergrowth, greasewood and yucca.

- 40.00 N. $89^{\circ} 55'$ E., on a random line, bet. secs. 24 and 25.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.09 Intersect E. bdy. of Tp., 2 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, established by J. M. M., as described in Book "A".
Thence I run
S. $89^{\circ} 54'$ W., on a true line, bet. secs. 24 and 25.
Over rolling land, through dense undergrowth.
14.70 Old road, brs. NE. and SW.
40.04 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brasscap
1915 on S. rim;
S24 in N.,
S25 in S. and
 $\frac{1}{4}$ in W. 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.
- 80.09 The cor. of secs. 23, 24, 25 and 26.
Land, rolling desert.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood, yucca and cacti.
May 8, 1915: At this cor., I set off $16^{\circ} 57\frac{1}{2}'$ N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is $34^{\circ} 37\frac{1}{2}'$ N.

- 40.00 N. $0^{\circ} 1'$ W., bet. secs. 23 and 24.
Over rolling desert land, through dense 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;
 $\frac{1}{4}$ in N.,
S24 in E. and
S23 in W. 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.
- 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
1915 on S. rim;
T15N R17W in N. half;
S14 in NW.,
S13 in NE.,
S24 in SE. and
S23 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, rolling desert.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood and yucca.

May 8, 1915.

May 10, 1915: At 8 hrs. 4 m., a.m., l.m.t., I set off $34^{\circ} 38\frac{1}{2}'$ N. on the lat. arc; $17^{\circ} 27\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24.

4. Subdivision of T. 15 N., R. 17 W.

Chains.

- Thence I run
N.89°154' E., on a random line, bet. secs. 13 and 24.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.07 Intersect E. bdy. of Tp., at the cor. of secs. 13, 18, 19 and 24, which is an iron post, established by J. M. M., as described in Book "A".
- Thence I run
S.89° 54' W., on a true line, bet. secs. 13 and 24.
Over rolling land, through dense undergrowth.
- 40.03 $\frac{1}{2}$ 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;
S13 in N.,
S24 in S. and
 $\frac{1}{4}$ in W. 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.
- 80.07 The cor. of secs. 13, 14, 23 and 24.
Land, rolling desert.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood and yucca.
-
- N.0° 1' W., bet. secs. 13 and 14.
Over level land, through dense undergrowth.
- 7.40 Old 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
1915 on S. rim;
 $\frac{1}{4}$ in N.,
S13 in E. and
S14 in W. 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.
- 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
1915 on S. rim;
T15N R17W in N. half;
S11 in NW.,
S12 in NE.,
S13 in SE. and
S14 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, rolling desert.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood and yucca.
-
- N.89° 54' E., on a random line, bet. secs. 12 and 13.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.09 Intersect the E. bdy. of Tp., at the cor. of secs. 7, 12, 13 and 18, which is an iron post, established by J. M. M., as described in Book "A".
- Thence I run
S.89° 54' W. on a true line, bet. secs. 12 and 13.
Over rolling land, through dense undergrowth.
- 40.04 $\frac{1}{2}$ 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;
S12 in N.,

Subdivision of T. 15 N., R. 17 W.

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Chains: 80.09	<p>S13 in S. and $\frac{1}{4}$ in W. 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. The cor. of secs. 11, 12, 13 and 14. Land, rolling desert. Soil, sandy loam, 2nd rate. No timber. Undergrowth greasewood and yucca.</p>
40.00 80.00	<p>N.0° 1' W., bet. secs. 11 and 12. Over rolling desert land, through dense 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; $\frac{1}{4}$ in N., S12 in E. and S11 in W. 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. 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 1915 on S. rim; T15N R17W in N. half; S2 in NW., S1 in NE., S12 in SE. and S11 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 rolling desert. Soil, sandy loam, 2nd rate.; depth unknown. No timber. Undergrowth, greasewood and yucca.</p>
40.00 80.03 40.01 $\frac{1}{2}$ 80.03	<p>N.89° 54' E., on a random line, bet. secs. 1 and 12. Set temp. $\frac{1}{4}$ sec. cor. Intersect E. bdy. of Tp., 5 lks. N. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, established by J. M. M., as described in Book "A". Thence I run S.89° 56' W., on a true line, bet. secs. 1 and 12. Over rolling land, through dense 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; S1 in N., S12 in S. and $\frac{1}{4}$ in W. 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. The cor. of secs. 1, 2, 11 and 12. Land, rolling desert. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood, palo verde and yucca. May 10, 1915: At this cor., I set off 17° 30' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 40' N.</p>

6. Subdivision of T. 15 N., R. 17 W.

Chains.

- N.0° 1' W., on a random line, bet. secs. 1 and 2.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.07 Intersect N. bdy. of Tp., 12 lks. W. of the cor. of secs. 1, 2, 35 and 36, which is an iron post, established by W. M. M., as described in Book "A".
 Thence I run
 S.0° 4' W., on a true line, bet. secs. 1 and 2.
 Over rolling desert land, through dense undergrowth.
 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
 1915 on S. rim;
 $\frac{1}{4}$ in N.,
 S1 in E. and
 S2 in W. 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.
 80.07 The cor. of secs. 1, 2, 11 and 12.
 Land, rolling desert.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood, yucca and cacti.
 May 10, 1915.

- May 6, 1915.
 From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., which is an iron post, established by J. M. M., as described in Book "A", I run
 N.0° 1' W., bet. secs. 34 and 35.
 Over rolling land, through dense 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;
 $\frac{1}{4}$ in N.,
 S35 in E. and
 S34 in W. 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.
 80.00 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
 1915 on S. rim;
 T15N R17W in N. half;
 S27 in NW.,
 S26 in NE.,
 S35 in SE. and
 S34 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, rolling desert.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood and yucca.
 May 6, 1915.

- May 8, 1915.
 At 8 hrs. 30 m. a.m., l.m.t., I set off $34^{\circ} 36\frac{1}{2}'$ N. on the lat. arc; $16^{\circ} 55\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 26, 27, 34 and 35.
 Thence I run
 N.89° 59' E., on a random line, bet. secs. 26 and 35.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect N. and S. line, 5 lks. S. of the cor. of secs.

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7.

Chains.

- 25, 26, 35 and 36.
Thence I run
S.89° 57' W., on a true line, bet. secs. 26 and 35.
Over rolling land, through dense undergrowth.
- 40.02 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;
S26 in N.,
S35 in S. and
 $\frac{1}{4}$ in W. 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.
- 80.04 The cor. of secs. 26, 27, 34 and 35.
Land, rolling desert.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood, palo verde, ocatilla and cacti.
May 8, 1915.
-
- May 6, 1915.
N.0° 1' W., bet. secs. 26 and 27.
Over rolling land, through dense 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;
 $\frac{1}{2}$ in N.,
S26 in E. and
S27 in W. 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.
- 80.00 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
1915 on S. rim;
T15N R17W in N. half;
S22 in NW.,
S23 in NE.,
S26 in SE. and
S27 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, rolling desert.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood and yucca.
May 6, 1915.
-
- May 8, 1915.
N.89° 57' E., on a random line, bet. secs. 23 and 26.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.07 Intersect N. and S. line, at the cor. of secs. 23, 24, 25 and 26.
Thence I run
S.89° 57' W., on a true line, bet. secs. 23 and 26.
Over rolling land, through dense undergrowth.
- 40.03 $\frac{1}{2}$ 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;
S23 in N.,
S26 in S. and
 $\frac{1}{4}$ in W. half;

8.

Subdivision of T. 15 N., R. 17 W.

Chains.

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.

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

Land, rolling desert.

Soil, sandy loam, 2nd rate.

No timber.

Undergrowth, greasewood and yucca.

May 8, 1915.

May 6, 1916.

N. $0^{\circ} 1'$ W., bet. secs. 22 and 23.

Over rolling desert land, through dense 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;

 $\frac{1}{4}$ in N.,

S23 in E. and

S22 in W. 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.

May 6, 1915.

May 8, 1915, continue measurement,

N. $0^{\circ} 1'$ W., bet. secs. 22 and 23.

78.30 Road, brs. E. and SW.

80.00 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

1915 on S. rim;

T15N R17W in N. half;

S15 in NW.,

S14 in NE.,

S23 in SE. and

S22 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, rolling desert.

Soil, sandy loam, 2nd rate.

No timber.

Undergrowth, greasewood and yucca.

40.00 N. $89^{\circ} 57'$ E., on a random line, bet. secs. 14 and 23.Set temp. $\frac{1}{4}$ sec. cor.

80.05 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 13, 14, 23 and 24.

Thence I run

S. $89^{\circ} 56'$ W., on a true line, bet. secs. 14 and 23.

Over rolling land, through dense undergrowth.

24.00 Old road, brs. NE. and SW.

40.02 $\frac{1}{2}$ 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;

S14 in N.,

S23 in S. and

 $\frac{1}{4}$ in W. 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.

41.80 Old road, brs. NW. and SE.

62.50 Old road, brs. NE. and SW.

80.05 The cor. of secs. 14, 15, 22 and 23.

Chains.	<p>Land, rolling desert. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood and yucca.</p>
40.00	<p>N.0° 1' W., bet. secs. 14 and 15. Over rolling desert land, through dense 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; $\frac{1}{2}$ in N., S14 in E. and S15 in W. 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. May 8, 1915.</p>
80.00	<p>May 10, 1915. continue measurement N.0° 1' W., bet. secs. 14 and 15. 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 1915 on S. rim; T15N R17W in N. half; S10 in NW., S11 in NE., S14 in SE. and S15 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, rolling desert. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood and yucca.</p>
40.00	<p>N.89° 56' E., on a random line, bet. secs. 11 and 14.</p>
80.06	<p>Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 7 lks. N. of the cor. of secs. 11, 12, 13 and 14. Thence I run</p>
40.03	<p>S.89° 59' W., on a true line, bet. secs. 11 and 14. Over rolling desert land, through dense 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; S11 in N., S14 in S. and $\frac{1}{2}$ in W. 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.</p>
80.06	<p>The cor. of secs. 10, 11, 14 and 15. Land, rolling desert. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood, and yucca.</p>
40.00	<p>N.0° 1' W., bet. secs. 10 and 11. Over rolling desert land, through dense undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the</p>

10.

Subdivision of T. 15 N., R. 17 W.

10.

Chains.

ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ in N.,
 S11 in E. and
 S10 in W. 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. Pits impracticable.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 2, 3, 10 and 11, marked on
 brass cap
 1915 on S. rim;
 T15N R17W in N. half;
 S3 in NW.,
 S2 in NE.,
 S11 in SE. and
 S10 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, rolling desert.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood and yucca.

40.00 N.89° 59' E., on a random line, bet. secs. 2 and 11.
 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
 1, 2, 11 and 12.
 Thence I run
 N.89° 58' W., on a true line, bet. secs. 2 and 11.
 Over rolling land, through dense 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;
 S2 in N.,
 S11 in S. and
 $\frac{1}{4}$ in W. 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.

80.00 The cor. of secs. 2, 3, 10 and 11.
 Land, rolling desert; drains W.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood and yucca.

May 10, 1915.

May 11, 1915.

40.00 N.0° 1' W., on a random line, bet. secs. 2 and 3.
 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. bay of Tp., 16 lks. W. of the cor. of secs.
 2, 3, 34 and 35, which is an iron post, established by
 J. M. M., as described in Book "A".
 Thence I run
 S.0° 6' W., on a true line, bet. secs. 2 and 3.
 Over rolling desert land, through dense undergrowth.

40.06 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;
 $\frac{1}{4}$ in N.,
 S2 in E. and
 S3 in W. half;
 dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.

Subdivision of T. 15 N., R. 17 W.

11.

Chains.

80.06 dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 The cor. of secs. 2, 3, 10 and 11.
 Land, rolling desert.
 Soil, sandy loam, 2nd rate; depth unknown.
 No timber.
 Undergrowth, greasewood, palo verde and yucca.
 May 11, 1915: At this cor., I set off $17^{\circ} 45\frac{1}{2}'$ N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is $34^{\circ} 40'$ N.
 May 11, 1915.

40.00 May 6, 1915.
 From the cor. of secs. 3, 4, 33 and 34, on the S. bdy of the Tp., which is an iron post, established by J. M. M., as described in Book "A", I run $N.0^{\circ}2'$ W., bet. secs. 33 and 34.
 Over rolling land, through dense 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;
 $\frac{1}{2}$ in N.,
 S34 in E. and
 S33 in W. 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.
 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
 1915 on S. rim;
 T15N R17W in N. half;
 S28 in NW.,
 S27 in NE.,
 S34 in SE. and
 S33 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, rolling desert.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood and yucca.

40.00 N. $89^{\circ} 59'$ E., on a random line, bet. secs. 27 and 34.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.16 Intersect N. and S. line, 16 lks. S. of the cor. of secs. 26, 27, 34 and 35.
 Thence I run
 S. $89^{\circ} 52'$ W., on a true line, bet. secs. 27 and 34.
 Over rolling desert land, through dense undergrowth.
 40.08 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;
 S27 in N.,
 S34 in S. and
 $\frac{1}{4}$ in W. 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, W. of cor.
 80.16 The cor. of secs. 27, 28, 33 and 34.
 Land, rolling desert.
 Soil, sandy loam, 2nd rate.
 No timber.

12.	Subdivision of T. 15 N., R. 17 W.	13.
Chains.	Undergrowth, greasewood and yu cca. A. S. May 6, 1915.	
40.00	<p>May 10, 1915. J. M. M. N.0° 2' W., bet. secs. 27 and 28. Over rolling land, through dense undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ in N., S27 in E. and S28 in W. 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.</p>	
80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked on brass cap 1915 on S. rim; T15N R17W in N. half; S21 in NW., S22 in NE., S27 in SE. and S28 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, rolling desert. Soil, sandy loam, 2nd and 3rd rate. No timber. Undergrowth, yucca, greasewood and cacti.</p>	
40.00	N.89° 52' E., on a random line, bet. secs. 22 and 27. Set temp. $\frac{1}{4}$ sec. cor.	
80.06	Intersect N. and S. line, at the cor. of secs. 22, 23, 26 and 27. Thence I run	
34.45	S.89° 52' W., on a true line, bet. secs. 22 and 27. Over rolling land, through dense undergrowth. Old road, brs. NW. and SE.	
40.03	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; S22 in N., S27 in S. and $\frac{1}{4}$ in W. 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.	
80.06	The cor. of secs. 21, 22, 27 and 28, Land, rolling desert. Soil, sandy loam, 2nd and 3rd rate. No timber. Undergrowth, greasewood, yucca and cacti.	
25.00	N.0° 2' W., bet. secs. 21 and 22. Over rolling desert land, through dense undergrowth. Wash, 20 lks. wide, course W.	
40.00	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim;	

Subdivision of T. 15 N., R. 17 W.

Chains.

79.20 $\frac{1}{4}$ in N.,
S22 in E. and
S21 in W. 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.
80.00 Old road, brs. NW. and SE.
Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked on brass cap
1915 on S. rim;
T15N R.17W in N. half;
S16 in NW.,
S15 in NE.,
S22 in SE. and
S21 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, rolling desert.
Soil, sandy loam and gravel, 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, yucca and cacti.

40.00 N.89° 52' E., on a random line, bet. secs. 15 and 22.
Set temp. $\frac{1}{4}$ sec. cor.
80.04 Intersect N. and S. line, at the cor. of secs. 14, 15, 22 and 23.
Thence I run
S.89° 52' W., on a true line, bet. secs. 15 and 22.
Over rolling land, through dense undergrowth.
40.02 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
S15 in N.,
S22 in S. and
 $\frac{1}{4}$ in W. 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.
53.75 Old road, brs. NW. and SE.
80.04 The cor. of secs. 15, 16, 21 and 22.
Land, rolling desert.
Soil, sandy loam, 2nd and 3rd rate.
No timber.
Undergrowth, scattering yucca and cacti.
May 10, 1915: At this cor., I set off 17° 30' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 38 $\frac{1}{2}$ ' N.

4.00 N.0° 2' W., bet. secs. 15 and 16.
Over rolling land, through dense undergrowth.
40.00 Old road, brs. NW. and SE.
Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ in N.,
S15 in E. and
S16 in W. 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.
44.70 Road, brs. NW. and SE.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked on

14. Subdivision of T. 15 N., R. 17 W.

Chains.

brass cap

1915 on S. rim;
 T15N R17W in N. half;
 S9 in NW.,
 S10 in NE.,
 S15 in SE. and
 S16 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, rolling desert.

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

No timber.

Undergrowth, greasewood, yucca and cacti.

J. M. M.

May 10, 1915.

May 11, 1915: A. S.

At 7 hrs. a.m., l.m.t., I set off $34^{\circ} 39'$ N. on the lat.
 arc; $17^{\circ} 43'$ N. on the decl. arc; and determine a mer-
 idian with the solar at the cor. of secs. 9, 10, 15 and
 16.

Thence I run

N. $89^{\circ} 52'$ E., on a random line, bet. secs. 10 and 15.40.00 Set temp. $\frac{1}{4}$ sec. cor.80.22 Intersect N. and S. line, 9 lks. N. of the cor. of secs.
10, 11, 14 and 15.

Thence I run

S $89^{\circ} 56'$ W., on a true line, bet. secs. 10 and 15.

Over rolling land, through dense undergrowth.

40.11 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;

S10 in N.,

S15 in S. and

 $\frac{1}{4}$ in W. 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.

80.22 The cor. of secs. 9, 10, 15 and 16.

Land, rolling desert.

Soil, sandy loam, 2nd rate; depth unknown.

No timber.

Undergrowth, greasewood and yucca.

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

Over rolling desert land, through dense 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;

 $\frac{1}{4}$ in N.,

S10 in E. and

S9 in W. 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.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 3, 4, 9 and 10, marked on brass
cap

1915 on S. rim;

T15N R17W in N. half;

S4 in NW.,

S3 in NE.,

S10 in SE. and

S9 in SW. quadrant;

Chains.	<p>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, rolling desert. Soil, sandy loam, 2nd rate. No timber. Undergrowth, yucca and greasewood.</p>
40 00 80.21	<p>N.89° 56' E., on a random line, bet. secs. 3 and 10. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 2 lks. S. of the cor. of secs. 2, 3, 10 and 11. Thence I run S.89° 55' W., on a true line, bet. secs. 3 and 10. Over rolling land, through dense undergrowth. 40.10$\frac{1}{2}$ 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; S3 in N., S10 in S. and $\frac{1}{4}$ in W. 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.</p>
80.21	<p>The cor. of secs. 3, 4, 9 and 10. Land, rolling desert. Soil, sandy loam, depth unknown; 2nd rate. No timber. Undergrowth, greasewood and yucca.</p>
40.00 80.07	<p>N.0° 3' W., on a random line, bet. secs. 3 and 4. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. bdy. of Tp., 35 lks. W. of the cor. of secs. 3, 4, 33 and 34, which is an iron post, established by J. M. M., as described in Book "A". Thence I run</p>
40.07	<p>S.0° 12' W., on a true line, bet. secs. 3 and 4. Over rolling land, through dense 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; $\frac{1}{4}$ in N., S3 in E. and S4 in W. 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.</p>
80.07	<p>The cor. of secs. 3, 4, 9 and 10. Land, rolling desert. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood and yucca.</p>
	May 11, 1915.
38.60	<p>May 6, 1915. From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., which is an iron post, established by J. M. M., as described in Book "A", I run N.0° 2' W., bet. secs. 32 and 33. Over rolling land, through dense undergrowth. Wash, 15 lks. wide, course NE.</p>

16.

Subdivision of T. 15 N., R. 17 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
1915 on S. rim;
 $\frac{1}{4}$ in N.,
S33 in E. and
S32 in W. 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. W. of cor.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked on brass cap
1915 on S. rim;
T15 N R17W in N. half;
S29 in NW.,
S28 in NE.,
S33 in SE. and
S32 in NW. quadrant;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
Land, rolling desert.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood and yucca.

- 40.00 N. $89^{\circ} 59'$ E., on a random line, bet. secs. 28 and 33.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 27, 28, 33 and 34.
Thence I run
West on a true line, bet. secs. 28 and 33.
Over rolling land, through dense 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;
S28 in N.,
S33 in S. and
 $\frac{1}{4}$ in W. 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.
- 49.50 Road, brs. NW. and SE.
- 53.30 Wash, 25 lks. wide, course N.
- 80.00 The cor. of secs. 28, 29, 32 and 33.
Land, rolling desert.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood and yucca.

A. S.
May 6, 1916.

- May 8, 1915: J. M. M.
At 8 hrs. 28 m., a.m., l.m.t., I set off $34^{\circ} 36\frac{1}{2}'$ N. on the lat. arc; $16^{\circ} 55\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 28, 29, 32 and 33.
Thence I run
N. $0^{\circ} 2'$ W., bet. secs. 28 and 29.
Over rolling land, through dense undergrowth.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ in N.,
S28 in E. and
S29 in W. half;

Subdivision of T. 15 N., R. 17 W.

17.

<p>Chains.</p> <p>41.00</p> <p>45.50</p> <p>77.50</p> <p>80.00</p>	<p>dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.</p> <p>Wash, 30 lks. wide, course NW.</p> <p>Old road, brs. NW. and SE.</p> <p>Wash, 15 lks. wide, course NW.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, marked on brass cap</p> <p>1915 on S. rim; T15N R17W in N. half; S20 in NW., S21 in NE., S28 in SE. and S29 in SW. quadrant;</p> <p>dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.</p> <p>Land, rolling desert. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood, yucca and cacti.</p> <p>May 8, 1915.</p>
<p>40.00</p> <p>79.87</p> <p>39.93½</p> <p>79.87</p>	<p>May 10, 1915: At 8 hrs. a.m., l.m.t., I set off 34° 37½' N. on the lat. arc; 17° 27½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 20, 21, 28 and 29.</p> <p>Thence I run East on a random line, bet. secs. 21 and 28.</p> <p>Set temp. ¼ sec. cor.</p> <p>Intersect N. and S. line, 7 lks. S. of the cor. of secs. 21, 22, 27 and 28.</p> <p>Thence I run S. 89° 57' W., on a true line, bet. secs. 21 and 28. Over rolling land, through dense undergrowth.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for ¼ sec. cor., marked on brass cap</p> <p>1915 on S. rim; S21 in N., S28 in S. and ¼ in W. half;</p> <p>dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.</p> <p>The cor. of secs. 20, 21, 28 and 29. Land, rolling desert. Soil, sandy loam, 2nd and 3rd rate. No timber. Undergrowth, yucca, greasewood and cacti.</p>
<p>20.25</p> <p>40.00</p> <p>48.00</p> <p>51.00</p>	<p>N. 0° 2' W., bet. secs. 20 and 21. Over rolling land, through dense undergrowth.</p> <p>Wash, 15 lks. wide, course W.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for ½ sec. cor., marked on brass cap</p> <p>1915 on S. rim; ¼ in N., S21 in E. and S20 in W. half;</p> <p>dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.</p> <p>Wash, 10 lks. wide, course NW.</p> <p>May 10, 1915.</p>

18. Subdivision of T. 15 N., R. 17 W.	
Chains. 80.00	<p>May 8, 1915. Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, marked on brass cap</p> <p>1915 on S. rim; T15N R17W in N. half; S17 in NW., S16 in NE., S21 in SE. and S20 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, rolling desert. Soil, sandy loam, 2nd and 3rd rate. No timber. Undergrowth, greasewood, yucca and cacti. May 8, 1915.</p>
40.00 79.92	<p>May 10, 1915. N. $89^{\circ} 57'$ E., on a random line, bet. secs. 16 and 21. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 5 lks. S. of the cor. of secs. 15, 16, 21 and 22. Thence I run S. $89^{\circ} 55'$ W., on a true line, bet. secs. 16 and 21. Over rolling land, through dense undergrowth.</p>
5.20 39.96	<p>Old road, brs. NW. and SE. Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap</p> <p>1915 on S. rim; S16 in N., S21 in S. and $\frac{1}{4}$ in W. 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.</p>
79.92	<p>The cor. of secs. 16, 17, 20 and 21. Land, rolling desert. Soil, sandy loam, 2nd and 3rd rate, depth unknown. No timber. Undergrowth, greasewood, yucca and cacti.</p>
40.00	<p>N. $0^{\circ} 2'$ W., bet. secs. 16 and 17. Over rolling land, through dense undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap</p> <p>1915 on S. rim; $\frac{1}{4}$ in N., S16 in E. and S17 in W. 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.</p>
41.00 80.00	<p>Old road, brs. NW. and SE. Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on brass cap</p> <p>1915 on S. rim; T15N 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,</p>

Subdivision of T. 15 N., R. 17 W.

19.

Chains.

W. of cor.
Land, rolling desert.
Soil, sandy loam, 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, yucca and cacti.

40.00 N.89° 55' E., on a random line, bet. secs. 9 and 16.
Set temp. $\frac{1}{4}$ sec. cor.
79.95 Intersect N. and S. line, 2 lks. N. of the cor. of secs.
9, 10, 15 and 16.
Thence I run
S.89° 56' W., on a true line, bet. secs. 9 and 16.
Over rolling land, through dense undergrowth.
24.75 Old road, brs. NW. and SE.
39.97 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap)
1915 on S. rim;
S9 in N.,
S16 in S. and
 $\frac{1}{4}$ in W. 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.
79.95 The cor. of secs. 8, 9, 16 and 17.
Land, rolling desert.
Soil, sandy loam, 2nd and 3rd rate.
No timber.
Undergrowth, scattering yucca and dense greasewood and
cacti.

J. M. M.
May 11, 1915.

40.00 May 11, 1915. A. S.
N.0° 2' W., bet. secs. 8 and 9.
Over rolling land, through dense 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;
 $\frac{1}{4}$ in N.,
S9 in E. and
S8 in W. 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.
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;
T15N R17W in N. half;
S5 in NW.,
S4 in NE.,
S9 in SE. and
S8 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, rolling desert.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood, yucca and cacti.

20.

Subdivision of T. 15 N., R. 17 W.

Chains.	N.89° 56' E., on a random line, bet. secs. 4 and 9.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 3, 4, 9 and 10.
	Thence I run
	S.89° 58' W., on a true line, bet. secs. 4 and 9.
	Over rolling land, through dense 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;
	S4 in N.,
	S9 in S. and
	$\frac{1}{4}$ in W. 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.
80.00	The cor. of secs. 4, 5, 8 and 9.
	Land, rolling desert.
	Soil, sandy loam, 2nd rate.
	No timber.
	Undergrowth, greasewood, palo verde, yucca and cacti.
	A. S.
	May 11, 1915.
	May 7, 1915: J. M. M.
	N.0° 2' W., on a random line, bet. secs. 4 and 5.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.14	Intersect N. bdy. of Tp., 37 lks. W. of the cor. of secs. 4, 5, 32 and 33, which is an iron post established by me, as described in Book "A".
	Thence I run
	S.0° 14' W., on a true line, bet. secs. 4 and 5.
	Over rolling land, through dense undergrowth.
40.14	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;
	$\frac{1}{4}$ in N.,
	S4 in E. and
	S5 in W. 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.
53.00	Wash, 10 lks. wide, course SW.
80.14	The cor. of secs. 4, 5, 8 and 9.
	Land, rolling desert.
	Soil, sandy loam, 2nd and 3rd rate.
	No timber.
	Undergrowth, greasewood, yucca and cacti.
	J. M. M.
	May 7, 1915.
	May 6, 1915. A. S.
	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., which is an iron post, established by J. M. M., as described in Book "A", I run
	N.0° 3' W., bet. secs. 31 and 32.
	Over rolling land, through dense undergrowth.
1.00	Wash, 15 lks. wide, course NE.
28.70	Wash, 20 lks. wide, course NE.
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;
	$\frac{1}{4}$ in N.,
	S32 in E. and
	S31 in W. half;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,

Chains.	<p>W. of cor. Pits impracticable. 50.80 Road, brs. N. 10° W., and S. 10° E. 63.00 Wash, 15 lks. wide, course NE. 75.15 Wash, 15 lks. wide, course NE. 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</p> <p style="padding-left: 40px;">1915 on S. rim; T15N R17W in N. half; S30 in NW., S29 in NE., S32 in SE. and S31 in SW. quadrant;</p> <p>and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling desert. Soil, rocky, 3rd rate. No timber. Undergrowth, greasewood, yucca, ocatilla and cacti.</p>
40.00	<p>N. $89^{\circ} 59'$ E., on a random line, bet. secs. 29 and 32. Set temp. $\frac{1}{4}$ sec. cor.</p>
80.05	<p>Intersect N. and S. line, 2 lks. S. of the cor. of secs. 28, 29, 32 and 33. Thence I run</p>
19.45	<p>S. $89^{\circ} 58'$ W., on a true line, bet. secs. 29 and 32. Over rolling desert land, through dense undergrowth.</p>
40.02 $\frac{1}{2}$	<p>Wash, 40 lks. wide, course NW. 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</p> <p style="padding-left: 40px;">1915 on S. rim; S29 in N., S32 in S. and $\frac{1}{4}$ in W. half;</p> <p>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.</p>
59.15	<p>Wash, 20 lks. wide, course N.</p>
65.45	<p>Wash, 20 lks. wide, course NE.</p>
80.05	<p>The cor. of secs. 29, 30, 31 and 32. Land, rolling desert. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood and yucca.</p>
40.00	<p>S. $89^{\circ} 59'$ W., on a random line, bet. secs. 30 and 31. Set temp. $\frac{1}{4}$ sec. cor.</p>
78.68	<p>Intersect W. bdy. of Tp., 2 lks. S. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, established by me, as described in Book "A". Thence I run</p>
38.68	<p>East, on a true line, bet. secs. 30 and 31. Over rolling land, through dense 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</p> <p style="padding-left: 40px;">1915 on S. rim; S30 in N., S31 in S. and $\frac{1}{4}$ in W. half;</p> <p>and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.</p>

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Chains.

- 64.80 Road, brs. N. to Yucca, and S. to Standard Mine.
78.68 The cor. of secs. 29, 30, 31 and 32.
Land, rolling desert.
Soil, gravelly, 3rd rate.
No timber.
Undergrowth, greasewood, yucca and palo verde.
A. S.
May 6, 1915.
-
- May 8, 1915: J. M. M.
N.0° 3' W., bet. secs. 29 and 30.
Over rolling land, through dense undergrowth.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ in N.,
S29 in E. and
S30 in W. half;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. Pits impracticable.
50.10 Wash, 10 lks. wide, course NE.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the
ground, for cor. of secs. 19, 20, 29 and 30, marked on
brass cap
1915 on S. rim;
T15N 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. Pits impracticable.
Land, rolling desert.
Soil, sandy and rocky, 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.
-
- 40.00 N.89° 58' E., on a random line, bet. secs. 20 and 29.
Set temp. $\frac{1}{4}$ sec. cor.
80.00 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
20, 21, 28 and 29.
Thence I run
S.89° 57' W., on a true line, bet. secs. 20 and 29.
Over rolling land, through dense undergrowth.
3.00 Wash, 15 lks. wide, course NW.
13.30 Old road, brs. N. and S.
15.50 Wash, 50 lks. wide, course N.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
S20 in N.,
S29 in S. and
 $\frac{1}{4}$ in W. 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.
62.00 Wash, 10 lks. wide, course NE.
80.00 The cor. of secs. 19, 20, 29 and 30.
Land, rolling desert.
Soil, sandy loam, 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, yucca and cacti.

Subdivision of T. 15 N., R. 17 W.

23.

Chains	West on a random line, bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.72	Intersect W. bdy. of Tp., 5 lks. N. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, established by me, as described in Book "A".
	Thence I run
	N. $89^{\circ} 58'$ E., on a true line, bet. secs. 19 and 30.
	Over rolling land, through dense undergrowth.
21.20	Wash, 20 lks. wide, course NE.
38.72	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
	1915 on S. rim;
	S19 in N.,
	S30 in S. and
	$\frac{1}{4}$ in W. half;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
48.70	Road, brs. N. to Yucca, and S. to Standard Mine.
78.72	The cor. of secs. 19, 20, 29 and 30.
	Land, rolling desert.
	Soil, shallow, rocky, 3rd rate.
	No timber.
	Undergrowth, greasewood, palo verde and ocatilla.
	May 8, 1915: At this cor., I set off $16^{\circ} 57\frac{1}{2}'$ N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is $34^{\circ} 37\frac{1}{2}'$ N.
	N. $0^{\circ} 3'$ W., bet. secs. 19 and 20.
	Over rolling land, through dense undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
	1915 on S. rim;
	$\frac{1}{4}$ in N.,
	S20 in E. and
	S19 in W. half;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, on solid rock, supported by a mound of stone, for cor. of secs. 17, 18, 19 and 20, marked on brass cap
	1915 on S. rim;
	T15N 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. Pits impracticable.
	Land, rolling desert.
	Soil, shallow, rocky; 2nd and 3rd rate.
	No timber.
	Undergrowth, greasewood, yucca and cacti.
	N. $89^{\circ} 57'$ E., on a random line, bet. secs. 17 and 20.
40.00	Set temp $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 16, 17, 20 and 21.
	Thence I run
	West on a true line, bet. secs. 17 and 20.
	Over rolling land, through dense undergrowth.
30.50	Wash, 15 lks. wide, course NW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
	1915 on S. rim;
	S17 in N.,
	S20 in S. and
	$\frac{1}{4}$ in W. half;

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Subdivision of T. 15 N., R. 17 W.

Chains.

	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.
57.70	Old road, brs. NW. and SE.
65.00	Wash, 40 lks. wide, course NW.
80.00	The cor. of secs. 17, 18, 19 and 20. Land, rolling desert. Soil, sandy loam, 2nd and 3rd rate. No timber. Undergrowth, greasewood, yucca and cacti.
40.00	S. $89^{\circ} 58'$ W., on a random line, bet. secs. 18 and 19. Set temp. $\frac{1}{4}$ sec. cor.
78.72	Intersect W. bdy. of Tp., 2 lks. N. of the cor. of secs. 13, 18, 19 and 24, which is an iron post, established by me, as described in Book "A". "hence I run N. $89^{\circ} 57'$ E., on a true line, bet. secs. 18 and 19. Over rolling land, through dense undergrowth.
11.20	Wash, 15 lks. wide, course NE.
38.72	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; S18 in N., S19 in S. and $\frac{1}{4}$ in W. 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.
40.95	Wash, 25 lks. wide, course NE.
51.50	Road, brs. N. to Yucca, and S. to Standard Mine.
70.70	Wash, 10 lks. wide, course NE.
78.72	The cor. of secs. 17, 18, 19 and 20. Land, rolling desert. Soil, shallow, rocky, 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti. J. M. M. May 8, 1915.
	May 11, 1915. A. S. N. $0^{\circ} 3'$ W., bet. secs. 17 and 18. Over rolling desert land, through dense undergrowth.
32.00	Wash, 30 lks. wide, course NW.
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; $\frac{1}{4}$ in N., S17 in E. and S18 in W. 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.
40.90	Wash, 50 lks. wide, course NW.
46.50	Road, brs. NW. and SE.
56.70	Road, brs. NW. and SE.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked on brass cap 1915 on S. rim; T15N R17W in N. half; S7 in NW., S8 in NE., S17 in SE. and

Subdivision of T. 15 N., R. 17 W.

25.

Chains.	<p>S18 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, rolling desert. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood and yucca.</p>
40.00	East on a random line, bet. secs. 8 and 17. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 8, 9, 16 and 17. Thence I run S. 89° 58' W., on a true line, bet. secs. 8 and 17. Over rolling land, through dense undergrowth.
40.02	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; S8 in N., S17 in S. and $\frac{1}{4}$ in W. 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.
80.04	The cor. of secs. 7, 8, 17 and 18. Land, rolling desert. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood and yucca.
	A. S. May 11, 1915.
	<p>May 12, 1915. J. M. M. At 8 hrs. 5 m., a.m., l.m.t., I set off 34° 39' N. on the lat. arc; 17° 59' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 7, 8, 17 and 18. Thence I run S. 89° 57' W., on a random line, bet. secs. 7 and 18. Set temp. $\frac{1}{4}$ sec. cor.</p>
40.00	Intersect the W. bdy. of Tp., 14 lks. N. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, established by A. S. as described in Book "A".
78.58	Thence I run N. 89° 51' E., on a true line, bet. secs. 7 and 18. Over rolling land, draining NE., through dense undergrowth.
38.58	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; S7 in N., S18 in S. and $\frac{1}{4}$ in W. 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.
39.68	Road, brs. NE. and SW.
50.08	Wash, 60 lks. wide, course NW. Thence over land, draining NW.
62.88	Road, brs. N. and S.
78.58	The cor. of secs. 7, 8, 17 and 18. Land, rolling desert. Soil, sandy loam, 2nd rate; and gravelly, 3rd rate. No timber. Undergrowth, scattering yucca, cat. claw and cacti.

26. Subdivision of T. 15 N., R. 17 W.

20.

Chains.

J. M. M.

A. S. M.

At the cor. of secs. 7, 8, 17 and 18, I set off $34^{\circ}39'$ N. on the lat. arc; $17^{\circ}59'$ N. on the decl. arc; and at 8 hrs. 8 m., a.m., l.m.t., I determine a meridian with the solar.

Thence I run

N. $0^{\circ}3'$ W., bet. secs. 7 and 8.

Over rolling desert land, through dense 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;

 $\frac{1}{4}$ in N.,

S8 in E. and

S7 in W. 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.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, marked on brass cap

1915 on S. rim;

T15N R17W in N. half;

S6 in NW.,

S5 in NE.,

S8 in SE. and

S7 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, rolling desert.

Soil, sandy loam, 2nd rate; lime subsoil at 15 ins.

No timber.

Undergrowth, greasewood and yucca.

40.00 N. $89^{\circ}58'$ E., on a random line, bet. secs. 5 and 8. Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 4, 5, 8 and 9.

Thence I run

S. $89^{\circ}57'$ W., on a true line, bet. secs. 5 and 8.

Over rolling desert land, through dense undergrowth.

40.05 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;

S5 in N.,

S8 in S. and

 $\frac{1}{4}$ in W. 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.

80.10 The cor. of secs. 5, 6, 7 and 8.

Land, rolling desert.

Soil, sandy loam, 2nd rate.

No timber.

Undergrowth, greasewood, and yucca.

40.00 S. $89^{\circ}51'$ W., on a random line, bet. secs. 6 and 7. Set temp. $\frac{1}{4}$ sec. cor.

78.44 Intersect the W. bdy. of the Tp., 14 lks. S. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, estab-

Subdivision of T. 15 N., R. 17 W.

Chains.

lished by J. M. M., as described in Book "A".
 Thence I run
 N.89° 57' E., on a true line, bet. secs. 6 and 7.
 Over rolling desert land, through dense undergrowth.
 38.44 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;
 S6 in N.,
 S7 in S. and
 $\frac{1}{4}$ in W. 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.
 41.45 Road, brs. N. and S.
 78.44 The cor. of secs. 5, 6, 7 and 8.
 Land, rolling desert.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood and yucca.

N.0° 3' W., on a random line, bet. secs. 5 and 6.
 40.00 Set temp. $\frac{1}{4}$ se c. cor.
 80.12 Intersect N. bdy. of Tp., 35 lks. W. of the cor. of secs.
 5, 6, 31 and 32, which is an iron post, established
 by J. M. M., as described in Book "A".
 Thence I run
 S.0° 12' W., on a true line, bet. secs. 5 and 6.
 Over rolling land, through dense undergrowth.
 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;
 $\frac{1}{4}$ in N.,
 S5 in E. and
 S6 in W. 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.
 80.12 The cor. of secs. 5, 6, 7 and 8.
 Land, rolling desert.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood and yucca.

A. S.
 May 12, 1915.

GENERAL DESCRIPTION.

The land in this Tp. is a rolling desert, covered with
 a dense growth of brush. The soil is 2nd and 3rd rate,
 and is of unknown depth. There are no settlers and no
 indication of mineral.

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4
28
2015

For Certificate of U.S. Surveyor and U.S. Transitman
see page II, Book "B" of this Group.

FINAL OATH OF UNITED STATES SURVEYOR.

Doc Book _____

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, April 10, 1917.

The foregoing field notes of the survey of the Subdivision Lines of

Township 15 North, Range 17 West,

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

executed by Albert Smith, Jr., M.S. Surveyor, & J.M. McKinney, Jr. U.S. Transitman under special instructions dated December 28, 1914 for Group 42, Arizona 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.
of Arizona.

~~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.~~