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2946

Book "N"

4-679

Subdivisions

BOOK 2946

# FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES OF

TOWNSHIP 15 NORTH, RANGE 18 WEST,

2946

*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,

2946

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 3, 1915.*

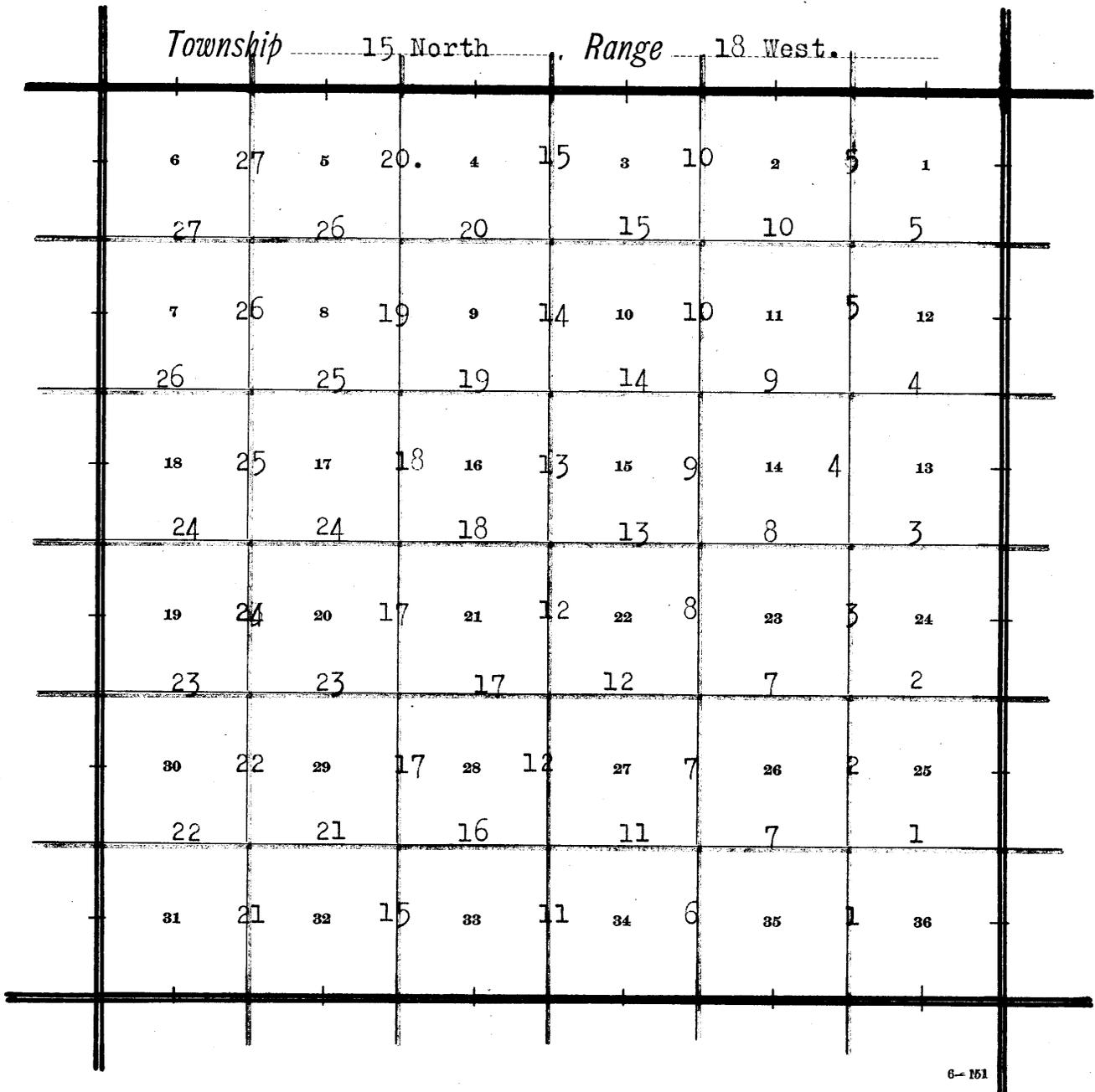
*Survey completed May 25, 1915.*

(19)

Book "N"  
Group 42, Arizona  
(Subdivisions)

BOOK 2946

### INDEX DIAGRAM.



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———— Township Exteriors. Notes in Book "A"  
 ———— Subdivision lines surveyed under this Group.

Subdivision of T. 15 N., R. 18 W.

Chains.

Survey commenced May 3, 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 book "C".

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.

Knowing from recent and repeated tests of these instruments on a meridian established by observations on Polaris at elongation, that they are in adjustment, we proceed to the subdivision of T. 15 N., R. 18 W.

A. S. and J. M. M.

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 me, as described in Book "A", I run

N.0° 1' W., bet. secs. 35 and 36.

Over rolling, hilly land, through dense undergrowth.

5.80 Wash, 30 lks. wide, course NE.

37.20 Wash, 60 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.,

S36 in E. and

S35 in W. half;

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

52.00 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. 25, 26, 35 and 36, marked on brasscap

1915 on S. rim;

T15N R18W in N. half;

S26 in NW.;

S25 in NE.;

S36 in SE. and

S35 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 hill.

Soil, rocky, 3rd rate.

No timber.

Undergrowth, greasewood, ocotillo, yucca and cacti.

May 3, 1915.

May 6, 1915: At 7 hrs. 52 m., a.m., l.m.t., I set off 34° 36 $\frac{1}{2}$ ' N. on the lat. arc; 16° 21 $\frac{1}{2}$ ' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 25, 26, 35 and 36.

Thence I run

N.89° 59' E., on a random line, bet. secs. 25 and 36.

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

80.01 Intersect E. bdy. of Tp., 7 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

S.89° 56' W., on a true line, bet. secs. 25 and 36.

Over rolling, hilly land, through dense undergrowth.

12.70 Wash, 1 ch. wide, course NE.

40.00 $\frac{1}{2}$  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;

Chains.

S25 in N.,  
 S36 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.  
 42.40 Wash, 50 lks. wide, course NE.  
 57.70 Wash, 10 lks. wide, course NE.  
 80.01 The cor. of secs. 25, 26, 35 and 36.  
 Land, rolling hills.  
 Soil, rocky, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and yucca.  
 May 6, 1915.

May 3, 1915.  
 N.0° 1' W., bet. secs. 25 and 26.  
 Over rolling, hilly land, through dense undergrowth.  
 7.50 Wash, 20 lks. wide, course NE.  
 15.30 Wash, 15 lks. wide, course NE.  
 26.00 Gulch, course NE. Heads 10 chs. SW.  
 39.40 Wash, 15 lks. wide, course NE.  
 40.00 Impracticable to set an iron post at this point. Set a  
 granite stone, 14 X 12 X 8 ins., 10 ins. in the ground,  
 on bed rock, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and  
 raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of  
 cor. Pits impracticable.  
 44.50 Gulch, course E.  
 60.00 Wash, 15 lks. wide, course NE.  
 76.50 Road, brs. NE. and SW.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the  
 ground, on bed rock, supported by a mound of stone, for  
 cor. of secs. 23, 24, 25 and 26, marked on brass cap  
 1915 on S. rim;  
 T15N R18W in N. half;  
 S23 in NW.,  
 S24 in NE.,  
 S25 in SE. and  
 S26 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 hills.  
 Soil, rocky, 3rd rate.  
 No timber.  
 Undergrowth, palo verde, ocatilla, greasewood, cacti and  
 yucca.  
 May 3, 1915.

May 4, 1915.  
 N.89° 56' E., on a random line, bet. secs. 24 and 25.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.06 Intersect E. bdy. of Tp., 5 lks. S. 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  
 S.89° 54' W., on a true line, bet. secs. 24 and 25.  
 Over rolling desert land, through dense undergrowth.  
 8.40 Wash, 3 chs. wide, course NE.  
 40.03 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;  
 S24 in N.,  
 S25 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.

## Subdivision of T. 15 N., R. 18 W.

3.

Chains.	
41.70	Wash, 30 lks. wide, 20 ft. deep, course NE.
68.30	Wash, 10 lks. wide, course NE.
73.00	Road, brs. NE. and SW.
80.06	The cor. of secs. 23, 24, 25 and 26. Land, rolling. Soil, gravelly and rocky; 3rd rate. No timber. Undergrowth, greasewood, ocatilla, palo verde and yucca.
	N.0° 1' W., bet. secs. 23 and 24. Over rolling, hilly land, through dense undergrowth.
2.50	Gulch, 25 ft. deep, course NE.
23.20	Wash, 40 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., S24 in E. and S23 in W. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
62.80	Gulch, 20 ft. deep, course NE.
79.30	Enter wash, 8 lks. wide, course N. Comes from SW.
79.80	Leave wash, course NE.
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 R18W in N. half; S14 in NW., S13 in NE., S24 in SE. and S23 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 hills. Soil, rocky and gravelly, 3rd rate. No timber. Undergrowth, greasewood, ocatilla and palo verde. May 4, 1915: At this cor., I set off $15^{\circ} 49\frac{1}{2}'$ N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is $34^{\circ} 38\frac{1}{2}'$ N. May 4, 1915.
	May 5, 1915: At 8 hrs. 2 m., a.m., l.m.t., I set off $34^{\circ} 38\frac{1}{2}'$ N. on the lat. arc; $16^{\circ} 4\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24. Thence I run N.89° 54' E., on a random line, bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect E. bdy. of Tp., 9 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". Thence I run S.89° 58' W., on a true line, bet. secs. 13 and 24. Over rolling, hilly land, through dense undergrowth.
21.15	Road, brs. NE. and SW.
24.95	Wash, 10 lks. wide, course NE. Heads 18 chs. 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; S13 in N., S24 in S. and

A

Subdivision of T. 15 N., R. 18 W.

Chains.	<p><math>\frac{1}{4}</math> in W. half; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable.</p> <p>41.45 Wash, 40 lks. wide, course NE. 71.65 Gulch, 25 ft. deep, course NE. 79.90 Wash, 15 lks. wide, course NE. 80.04 The cor. of secs. 13, 14, 23 and 24. Land, rolling. Soil, gravelly and rocky; 3rd rate. No timber. Undergrowth, palo verde, greasewood, ocatilla and yucca.</p>
20.75 29.50 36.40 40.00	<p>N.0° 1' W., bet. secs. 13 and 14. Over rolling land, through dense undergrowth. Enter wash, 15 lks. wide, course N. Comes from SW. Leave wash, course NE. Wash, 20 lks. wide, course E. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap 1915 on S. rim; <math>\frac{1}{4}</math> in N., S13 in E. and S14 in W. half; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p>
80.00	<p>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 R18W in N. half; S11 in NW., S12 in NE., S13 in SE. and S14 in SW. quadrant; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, gravelly and rocky; 3rd rate. No timber. Undergrowth, palo verde, greasewood and yucca.</p>
40.00 80.02 3.30 40.01 43.80 57.00 80.02	<p>N.89° 58' E., on a random line, bet. secs. 12 and 13. Set temp. <math>\frac{1}{4}</math> sec. cor. Intersect E. bdy. of Tp., 5 lks. N. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, established by me; as described in Book "A". Thence I run West on a true line, bet. secs. 12 and 13. Over rolling, hilly land, through dense undergrowth. Wash, 15 lks. wide, course NE. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap 1915 on S. rim; S12 in N., S13 in S. and <math>\frac{1}{4}</math> in W. half; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable. Wash, 10 lks. wide, course NE. Wash, 60 lks. wide, course NE. The cor. of secs. 11, 12, 13 and 14. Land, rolling hills. Soil, gravelly and rocky; 3rd rate. No timber. Undergrowth, greasewood, palo verde and yucca.</p>

MAY 5, 1915.

## Subdivision of T. 15 N., R. 18 W.

5.

## Chains.

	<p>May 24, 1915: At 7 hrs. 58 m., a.m., l.m.t., I set off <math>34^{\circ} 39'</math> N. on the lat. arc; <math>20^{\circ} 39\frac{1}{2}'</math> N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 11, 12, 13 and 14.</p> <p>Thence I run N. <math>0^{\circ} 1'</math> W., bet. secs. 11 and 12. Over rolling, hilly land, through dense undergrowth.</p>
27.50	Wash, 150 lks. wide, course 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 1915 on S. rim; $\frac{1}{4}$ in N. half; 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.
66.30	Wash, 1 ch. wide, course E.
80.00	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 R18W in N. half; S2 in NW., S1 in NE., S12 in SE. and S11 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 hills. Soil, gravelly, 3rd rate. No timber. Undergrowth, greasewood and yucca.
40.00	East on a random line, bet. secs. 1 and 12. Set temp. $\frac{1}{4}$ sec. cor.
80.07	Intersect E. bdy. of Tp., 9 lks. S. 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. $89^{\circ} 56'$ W., on a true line, bet. secs. 1 and 12. Over rolling, hilly land, through dense undergrowth.
4.77	Wash, 40 lks. wide, course NW.
13.07	Wash, 60 lks. wide, course NW.
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; S1 in N., S12 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.
69.07	Wash, 1 ch. wide, course NE.
80.07	The cor. of secs. 1, 2, 11 and 12. Land, rolling hills. Soil, sandy and gravelly, 2nd and 3rd rate. No timber. Undergrowth, greasewood and yucca.
40.00	N. $0^{\circ} 1'$ W., on a random line, bet. secs. 1 and 2. Set temp. $\frac{1}{4}$ sec. cor.
80.12	Intersect N. bdy. of Tp., 2 lks. W. of the cor. of secs. 1, 2, 35 and 36, which is an iron post, established by J. M. M., as described in Book "A". Thence I run

## 6. Subdivision of T. 15. N. R. 18 W.

## Chains.

- South on a true line, bet. secs. 1 and 2.  
Over rolling, hilly land, through dense undergrowth.
- 5.10 Wash, 20 lks. wide, course NE.
- 34.50 Wash, 50 lks. wide, course NE.
- 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.,  
S1 in E. and  
S2 in W. half;  
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.
- 80.12 The cor. of secs. 1, 2, 11 and 12.  
Land, rolling hills.  
Soil, gravelly, 3rd rate.  
No timber.  
Undergrowth, greasewood, yucca and ocatilla.  
May 24, 1915: At this cor., I set off  $20^{\circ} 41'$  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 24, 1915.
- 
- May 3, 1915: At 8 hrs. 6 m., a.m., l.m.t., I set off  $34^{\circ} 35\frac{1}{2}'$  N. on the lat. arc;  $15^{\circ} 29\frac{1}{2}'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., which is an iron post, established by me, as described in Book "A".  
Thence I run  
N.  $0^{\circ} 1'$  W., bet. secs. 34 and 35.  
Over rolling, hilly land, through dense undergrowth.
- 12.20 Gulch, course E. Heads 15 chs. W.
- 25.80 Gulch, course E. Heads 8 chs. W.
- 33.60 Wash, course E.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, on solid rock, 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;  
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.
- 58.30 Wash, 15 lks. wide, course NE.
- 72.30 Road, brs. NE. and SW.
- 79.00 Wash, 15 lks. wide, 40 ft. deep, course NE.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, on bed rock, supported by a mound of stone, for cor. of secs. 26, 27, 34 and 35, marked on brass cap  
1915 on S. rim;  
T15N R18W in N. half;  
S27 in NW.,  
S26 in NE.,  
S35 in SE. and  
S34 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 hills.  
Soil, rocky, 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde, cacti and yucca.

## Subdivision of T. 15 N., R. 18 W.

7.

Chains.	N.89° 59' E., on a random line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, 2 lks. N. of the cor. of secs. 25, 26, 35 and 36, Thence I run West on a true line, bet. secs. 26 and 35, Over rolling, hilly land, through dense undergrowth.
6.60	Wash, 20 lks. wide, course NE.
19.40	Wash, 15 lks. wide, course NE.
37.70	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; S26 in N., S35 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.
67.00	Gulch, course NE.
71.40	Road, brs. NE. and SW.
79.70	Wash, 15 lks. wide, 40 ft. deep, course NE.
80.00	The cor. of secs. 26, 27, 34 and 35. Land, rolling hills. Soil, rocky, 3rd rate. No timber. Undergrowth, greasewood, palo verde, cacti, ocatilla and yucca.
	N.0° 1' W., bet. secs. 26 and 27. Over rolling, hilly land, through dense undergrowth.
3.50	Gulch, course E. Heads 8 chs. W.
33.00	Gulch, 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., S26 in E. and S27 in W. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
46.00	Wash, 15 lks. wide, 50 ft. deep, course NE.
72.00	Gulch, 15 ft. deep, course NE.
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 R18W in N. half; S22 in NW., S23 in NE., S26 in SE. and S27 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 hills. Soil, rocky, 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocatilla, yucca and cacti.
40.00	East on a random line, bet. secs. 23 and 26.
80.00	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 5 lks. N. of the cor. of secs. 23, 24, 25 and 26. Thence I run N.89° 58' W., on a true line, bet. secs. 23 and 26.

8.

## Subdivision of T. 15 N., R. 18 W.

## Chains.

- 3.50 Over rolling, hilly land, through dense undergrowth.  
Gulch, course NE.
- 20.20 Wash, 15 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;  
S23 in N.,  
S26 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.
- 42.90 Wash, 25 lks. wide, 30 ft. deep, course NE.
- 78.50 Gulch, 15 ft. deep, course NE.
- 80.00 The cor. of secs. 22, 23, 26 and 27.  
Land, rolling hills.  
Soil, rocky, 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocatilla, yucca and  
cañi.  
May 3, 1915: At this cor., I set off  $15^{\circ} 32'$  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.  
May 3, 1915.
- 
- May 4, 1915.  
 $N.0^{\circ} 1'$  W., bet. secs. 22 and 23.
- 40.00 Over rolling, hilly 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.,  
S23 in E. and  
S22 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., 22 ins. in the  
ground, on bed rock, for cor. of secs. 14, 15, 22 and  
23, marked on brass cap  
1915 on S. rim;  
T15N R18W in N. half;  
S15 in NW.,  
S14 in NE.,  
S23 in SE. and  
S22 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 hills.  
Soil, gravelly and stony, 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde and yucca.
- 
- S.  $89^{\circ} 58'$  E., on a random line, bet. secs. 14 and 23.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.00 Intersect N. and S. line, 5 lks. S. of the cor. of secs.  
13, 14, 23 and 24.  
Thence I run  
West on a true line, bet. secs. 14 and 23.
- Over rolling hilly land, through dense undergrowth.
- 13.30 Gulch, 25 ft. deep, course NE. Heads 20 chs. SW.
- 27.20 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 W.,  
S14 in N. and  
S23 in S. half;

Subdivision of T. 15 N., R. 18 W.

9.

Chains.

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 N. of cor. Pits impracticable.  
 54.50 Wash, 20 lks. wide, course NE.  
 80.00 The cor. of secs. 14, 15, 22 and 23.  
 Land, rolling hills.  
 Soil, gravelly and stony, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, yucca and cacti.  
 May 4, 1915.

May 5, 1915.  
 N.0° 1' W., bet. secs. 14 and 15.  
 Over rolling, hilly land, through dense undergrowth.  
 33.10 Wash, 60 lks. wide, course NE.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for ¼ sec. cor., marked on brass cap  
 1915 on S. rim;  
 ¼ in N.,  
 S14 in E. and  
 S15 in W. half;  
 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor. Pits impracticable.  
 80.00 Impracticable to set an iron post at this point. Set a  
 granite stone, 14 X 10 X 8 ins., 11 ins. in the ground,  
 for cor. of secs. 10, 11, 14 and 15, marked with 2  
 notches on E. and 4 notches on S. edge; and raise a  
 mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Pits impracticable.  
 Land, rolling hills.  
 Soil, rocky, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and yucca.

East on a random line, bet. secs. 11 and 14.  
 40.00 Set temp. ¼ sec. cor.  
 80.00 Intersect N. and S. line at the cor. of secs. 11, 12, 13  
 and 14.  
 Thence I run  
 West on a true line, bet. secs. 11 and 14.  
 Over rolling, hilly land, through dense undergrowth.  
 17.00 Wash, 20 lks. wide, course NE.  
 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;  
 S11 in N.,  
 S14 in S. and  
 ¼ in W. half;  
 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 N. of cor. Pits impracticable.  
 45.70 Wash, 10 lks. wide, course NE.  
 55.20 Wash, 20 lks. wide, course NE.  
 80.00 The cor. of secs. 10, 11, 14 and 15.  
 Land, rolling hills.  
 Soil, rocky, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and yucca.  
 May 5, 1915.

10.

Subdivision of T. 15-N., R. 18-W.

Chains.

May 23, 1915.  
 N.0° 1' W., bet. secs. 10 and 11.  
 Over rolling, hilly land, through dense undergrowth.  
 32.70 Wash, 20 lks. wide, course 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  
 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.  
 63.20 Wash, 50 lks. wide, course E.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 2, 3, 10 and 11, marked on  
 brass cap  
 1915 on S. rim;  
 T15N R18W in N. half;  
 S3 in NW.,  
 S2 in NE.,  
 S11 in SE. and  
 S10 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 hills.  
 Soil, gravelly; 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and ocatilla.  
 May 23, 1915.

May 24, 1915.  
 East on a random line, bet. secs. 2 and 11.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.10 Intersect N. and S. line at the cor. of secs. 1, 2, 11 and  
 12.  
 Thence I run  
 West on a true line, bet. secs. 2 and 11.  
 Over rolling hills, 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;  
 S2 in N.,  
 S11 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.  
 80.10 The cor. of secs. 2, 3, 10 and 11.  
 Land, rolling hills.  
 Soil, gravelly, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, ocatilla and yucca.

N.0° 1' W., on a random line, bet. secs. 2 and 3.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.15 Intersect N. bdy. of Tp., 14 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° 5' W., on a true line, bet. secs. 2 and 3.  
 Over rolling hills, through dense undergrowth.  
 13.35 Wash, 20 lks. wide, course SE.  
 40.15 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the  
 ground, on bed rock, for  $\frac{1}{4}$  sec. cor., marked on brass  
 cap  
 1915 on S. rim;  
 $\frac{1}{4}$  in N.,

Subdivision of T. 15 N., R. 18 W.

11.

Chains.

<p>60.95 76.35 80.15</p>	<p>S2 in E. and S3 in W. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Wash, 60 lks. wide, course NE. Wash, 20 lks. wide, course E. The cor. of secs. 2, 3, 10 and 11. Land, rolling hills. Soil, gravelly and stony, 3rd rate. No timber. Undergrowth, greasewood, ocatilla and yucca. May 24, 1915.</p>
<p>40.00 47.80 80.00</p>	<p>May 3, 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 me, as described in Book "A", I run N.0° 2' W., bet. secs. 33 and 34. Over rolling, hilly land, through dense undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, on solid rock, supported by a mound of stone, for ¼ sec. cor., marked on brass cap 1915 on S. rim; ¼ in N., S34 in E. and S33 in W. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Gulch, 15 ft. deep, course NE. Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, on bed rock, for cor. of secs. 27, 28, 33 and 34, marked on brass cap 1915 on S. rim; T15N R18W in N. half; S28 in NW., S27 in NE., S34 in SE. and S33 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, rolling hills. Soil, rocky, 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and yucca.</p>
<p>40.00 80.10 20.00 40.05 46.50 61.90 72.30 80.10</p>	<p>N.89° 59' E., on a random line, bet. secs. 27 and 34. Set temp. ¼ sec. cor. Intersect N. and S. line, 2 lks. N. of the cor. of secs. 26, 27, 34 and 35. Thence I run West on a true line, bet. secs. 27 and 34. Over rolling, hilly land, through dense undergrowth. Gulch, course NE. 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; S27 in N., S34 in S. and ¼ in W. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. Gulch, 40 ft. deep, course NE. Wash, 50 lks. wide, course NE. Gulch, 20 ft. deep, course N. The cor. of secs. 27, 28, 33 and 34.</p>

12.

Subdivision of T. 15 N., R. 18 W.

Chains.

Land, rolling hills.  
Soil, gravelly and rocky; 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocatilla and yucca.  
May 3, 1915.

May 4, 1915.

N.0° 2' W., bet. secs. 27 and 28.

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.,  
S27 in E. and  
S28 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 Impracticable to set an iron post at this point. Set a granite stone, 20 X 10 X 6 ins., 16 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 3 notches on E. and 2 notches on S. edge; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

Land, rolling hills.

Soil, gravelly, 3rd rate.

No timber.

Undergrowth, greasewood, palo verde and yucca.

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

40.00 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

West on a true line, bet. secs. 22 and 27.

Over rolling, hilly land, through dense undergrowth.

15.00 Wash, 25 lks. wide, 20 ft. deep, course N.

24.60 Wash, 15 lks. wide, course NE.

40.03 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked on brass cap  
1915 on S. rim;  
S22 in N.,  
S27 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.

41.50 Wash, 30 lks. wide, 15 ft. deep, course N.

67.00 Gulch, 40 ft. deep, course NE. Heads 15 chs. SW.

74.20 Gulch, 60 ft. deep, course NE.

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

Land, rolling hills.

Soil, stony, 3rd rate.

No timber.

Undergrowth, greasewood, palo verde and yucca.

May 4, 1915.

May 5, 1915.

N.0° 2' W., bet. secs. 21 and 22.

Over rolling, hilly 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.,  
S22 in E. and

Subdivision of T. 15 N., R. 18 W.

13.

Chains.	
80.00	<p>S21 in W. half; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p> <p>Impracticable to set an iron post at this point. Set a granite stone, 16 X 8 X 8 ins., 12 ins. in the ground, on bed rock, for cor. of secs. 15, 16, 21 and 22, mark- ed with 3 notches on S. and E. edges; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p> <p>Land, rolling hills. Soil, rocky, 3rd rate. No timber. Undergrowth, greasewood, palo verde and yucca.</p>
40.00	<p>East on a random line, bet. secs. 15 and 22. Set temp. <math>\frac{1}{4}</math> sec. cor.</p>
80.00	<p>Intersect N. and S. line, 5 lks. N. of the cor. of secs. 14, 15, 22 and 23. Thence I run N. <math>89^{\circ} 58'</math> W., on a trueline, bet. secs. 15 and 22. Over rolling, hilly land, through dense undergrowth.</p>
2.00	Wash, 50 lks. wide, course N.
25.30	Wash, 40 lks. wide, course NE.
40.00	<p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap 1915 on S. rim; S15 in N., S22 in S. and <math>\frac{1}{4}</math> in W. half; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable.</p>
41.00	Wash, 20 lks. wide, course NE.
56.70	Wash, 20 lks. wide, course N.
65.30	Wash, 15 lks. wide, course N.
80.00	<p>The cor. of secs. 15, 16, 21 and 22. Land, rolling hills. Soil, gravelly and rocky; 3rd rate. No timber. Undergrowth, greasewood, palo verde and yucca: May 5, 1915.</p>
40.00	<p>May 23, 1915. N. <math>0^{\circ} 2'</math> W., bet. secs. 15 and 16. Over rolling land, through dense undergrowth.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap 1915 on S. rim, <math>\frac{1}{4}</math> in N., S15 in E. and S16 in W. half; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p>
48.50	Enter bed of wash, 15 lks. wide, course N. Comes from SE.
68.00	Leave wash, course NE.
80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked on brass cap 1915 on S. rim; T15N R18W in N. half; S9 in NW., S10 in NE., S15 in SE. and S16 in SW. quadrant; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p> <p>Land, rolling hills. Soil, gravelly and rocky; 3rd rate. No timber. Undergrowth, greasewood, palo verde and yucca.</p>

14.

Subdivision of T. 15 N., R. 18 W.

Chains.

Soil, gravelly, 3rd rate.  
No timber.  
Undergrowth, greasewood and yucca.

40.00 S.89° 58' E., on a random line, bet. secs. 10 and 15.  
Set temp.  $\frac{1}{4}$  sec. cor.  
80.02 Intersect N. and S. line, 7 lks. S. of the cor. of secs.  
10, 11, 14 and 15.  
Thence I run  
S.89° 59' W., on a true line, bet. secs. 10 and 15.  
Over rolling, hilly land, through dense undergrowth.  
23.00 Wash, 25 lks. wide, course NE.  
40.01 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.  
79.00 Wash, 20 lks. wide, course NW.  
80.02 The cor. of secs. 9, 10, 15 and 16.  
Land, rolling hills.  
Soil, gravelly, 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde and ocatilla.  
A. S.  
May 23, 1915.

May 24, 1915. J. M. M.  
N.0° 2' W., bet. secs. 9 and 10.  
Over rolling hills, through dense undergrowth,  
2.50 Wash, 30 lks. wide, course NW.  
20.10 Wash, 20 lks. wide, course SW.  
35.00 Asc. S. slope, 40 ft. to  
39.80 Top of small knoll.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the  
ground, on solid rock, supported by a mound of stone,  
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;  
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor. Pits impracticable.  
Desc. N. slope, 25 ft. to  
45.00 Thence over rolling land.  
55.00 Asc. S. slope, 40 ft. to  
59.60 Top of small knoll. Desc. N. slope, 55 ft. to  
70.00 Thence over rolling land.  
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the  
ground, for cor. of secs. 3, 4, 9 and 10, marked on  
brass cap  
1915 on S. rim;  
T15N R18W in N. half;  
S4 in NW.,  
S3 in NE.,  
S10 in SE. and  
S9 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 hills.  
Soil, shallow, rocky; granite formation; 3rd and 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocatilla and cacti.

Subdivision of T. 15 N., R. 18 W.

15.

Chains.

J. M. M.  
May 24, 1915.

May 23, 1915. A. S.  
 N.89° 59' E., on a random line, bet. secs. 3 and 10.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.98 Intersect N. and S. line, 9 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, broken hills, through dense undergrowth.  
 25.60 Wash, 40 lks. wide, course SE.  
 39.99 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap  
 1915 on S. rim;  
 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.  
 61.70 Wash, 15 lks. wide, course SE.  
 79.98 The cor. of secs. 3, 4, 9 and 10.  
 Land, rolling hills.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and ocatilla.  
 May 23, 1915.

May 24, 1915.  
 N.0° 2' W., on a random line, bet. secs. 3 and 4.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.14 Intersect N. bdy. of Tp., 26 lks. W. of the cor. of secs.  
 3, 4, 33 and 34, which is a stone, established by J. M.  
 M., as described in Book "A".  
 Thence I run  
 S.0° 9' W., on a true line, bet. secs. 3 and 4.  
 Over rolling hills, through dense undergrowth.  
 26.60 Wash, 15 lks. wide, course E. Asc. NE. slope, 25 ft. to  
 34.75 Hill, brs. E. Desc. SE. slope, 70 ft.  
 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.,  
 S3 in E. and  
 S4 in W. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor. Pits impracticable.  
 41.65 Wash, 20 lks. wide, course E. Asc. N. slope, 115 ft. to  
 46.70 Top of small, rocky butte. Desc. SE. slope, 55 ft. to  
 50.00 Thence over rolling land.  
 80.14 The cor. of secs. 3, 4, 9 and 10.  
 Land, rolling hills.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocatilla and cacti.  
 A. S.  
 May 24, 1915.

May 4, 1915. J. M. M.  
 At 7 hrs. 30 m., a.m., l.m.t., I set off 34° 35 $\frac{1}{2}$ ' N. on the  
 lat. arc; 15° 47' N. on the decl. arc; and determine a  
 meridian with the solar at the cor. of secs. 4, 5, 32

16.

Subdivision of T. 15 N., R. 18 W.

Chains.

and 33, on the S. bdy. of the Tp., which is a stone, established by A. S. as described in Book "A".  
 Thence I run  
 N.0° 2' W., bet. secs. 32 and 33.  
 Over mountainous land, through dense undergrowth.  
 Asc. SE. slope, 70 ft. to  
 7.65 Spur, brs. NE. Desc. NW. slope, 235 ft. to  
 19.95 Foot of desc., brs. NE. and SW. Leave mountainous land, thence over rolling hills.  
 25.35 Wash, 20 lks. wide, course NE.  
 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.,  
 S33 in E. and  
 S32 in W. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 66.15 Wash, 60 lks. wide, course NE.  
 69.55 Road, brs. NW. and SE.  
 78.55 Gulch, course NE.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked on brass cap  
 1915 on S. rim;  
 T15N R18W in N. half;  
 S29 in NW.,  
 S28 in NE.,  
 S33 in SE. and  
 S32 in SW. quadrant;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 Land, rolling and mountainous.  
 Soil, shallow, rocky; 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocátilla and cacti.  
 J.M. M.  
 May 4, 1915.

May 3, 1915.  
 A. S.  
 N.89° 59' E., on a random line, bet. secs. 28 and 33.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.99 Intersect N. and S. line, 4 lks. N. of the cor. of secs. 27, 28, 33 and 34.  
 Thence I run  
 N.89° 59' W., on a true line, bet. secs. 28 and 33.  
 Over rolling, hilly land, through dense undergrowth.  
 39.99 $\frac{1}{2}$  Impracticable to set an iron post at this point. Set a granite stone, 16 X 10 X 10 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 44.80 Wash, 2 chs. wide, course NE.  
 60.00 Wash, 1 ch. wide, course NE.  
 76.50 Gulch, course NE.  
 79.99 The cor. of secs. 28, 29, 32 and 33.  
 Land, rolling hills.  
 Soil, gravelly and rocky; 3rd rate.  
 No timber.  
 Undergrowth, palo verde, greasewood and yucca.  
 A. S.  
 May 3, 1915.

Chains.

May 4, 1915.  
 N.0° 2' W.; bet. secs. 28 and 29.  
 Over rolling hills, 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;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor. Pits impracticable.  
 64.85 Wash, 20 lks. wide, course NE.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the  
 ground, for cor. of secs. 20, 21, 28 and 29, marked on  
 brass cap  
 1915 on S. rim;  
 T15N R18W in N. half;  
 S20 in NW.,  
 S21 in NE.,  
 S28 in SE. and  
 S29 in SW. quadrant;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor. Pits impracticable.  
 Land, rolling hills.  
 Soil, shallow, rocky, 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocatilla and cacti.  
 J. M. M.  
 May 4, 1915.

May 23, 1915: A. S.  
 At 8 hrs. 32 m., a.m., l.m.t., I set off  $34^{\circ}37\frac{1}{2}'$  N. on the  
 lat. arc;  $20^{\circ}28'$  N. on the decl. arc; and determine a  
 meridian with the solar at the cor. of secs. 20, 21, 28  
 and 29.  
 Thence I run  
 40.00 S.  $89^{\circ}59'$  E., on a random line, bet. secs. 21 and 28.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.86 Intersect N. and S. line, 9 lks. S. of the cor. of secs.  
 21, 22, 27 and 28.  
 Thence I run  
 36.50 S.  $89^{\circ}57'$  W., on a true line, bet. secs. 21 and 28.  
 Over rolling, hilly land, through dense undergrowth.  
 39.93 Wash, 3 chs. wide, course N.  
 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;  
 S21 in N.,  
 S28 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.  
 76.80 Gulch, 50 ft. deep, course NE.  
 79.86 The cor. of secs. 20, 21, 28 and 29.  
 Land, rolling hills.  
 Soil, gravelly, 2nd and 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and cacti.

N.0° 2' W., bet. secs. 20 and 21.  
 Over rolling, hilly land, through dense undergrowth.

18.

## Subdivision of T. 15 N., R. 18 W.

## Chains.

- 13.50 Wash, 1 ch. wide, course NE.  
 40.00 Impracticable to set an iron post at this point. Set a granite stone, 16 X 10 X 5 ins., 14 ins. in the ground, on bed rock, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.
- 48.70 Gulch, 40 lks. wide, 50 ft. deep, course NE.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, marked on brass cap  
 1915 on S. rim;  
 T15N R18W in N. half;  
 S17 in NW.,  
 S16 in NE.,  
 S21 in SE. and  
 S20 in SW. quadrant;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 Land, rolling hills.  
 Soil, gravelly, 2nd and 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, yucca and ocatilla.
- 
- 40.00 N.  $89^{\circ} 57'$  E., on a random line, bet. ssecs. 16 and 21.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.87 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 15, 16, 21 and 22.  
 Thence I run  
 S.  $89^{\circ} 54'$  W., on a true line, bet. secs. 16 and 21.  
 Over rolling, hilly land, through dense undergrowth.
- 17.25 Wash, 3 chs. wide, course NW.  
 39.93 $\frac{1}{2}$  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;  
 S16 in N.,  
 S21 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.
- 57.45 Wash, 150 lks. wide, course N.  
 66.95 Wash, 30 lks. wide, course NE.  
 79.87 The cor. of secs. 16, 17, 20 and 21.  
 Land, rolling hills.  
 Soil, gravelly, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and ocatilla.  
 May 23, 1915: At this cor., I set off  $20^{\circ} 29\frac{1}{2}'$  N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is  $34^{\circ} 38\frac{1}{2}'$  N.  
 A. S.  
 May 23, 1915.
- 
- May 24, 1915. J. M. M.  
 At 8 hrs. 5 m., a.m., l.m.t., I set off  $34^{\circ} 38\frac{1}{2}'$  N. on the lat. arc;  $20^{\circ} 39\frac{1}{2}'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 16, 17, 20 and 21.  
 Thence I run  
 N.  $0^{\circ} 2'$  W., bet. secs. 16 and 17.  
 Over rolling, hilly 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.,  
 S16 in E. and  
 S17 in W. half;

## Subdivision of T. 15 N., R. 18 W.

19.

Chains.

- and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor. Pits impracticable.
- 65.80 Wash, 60 lks. wide, course NW.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the  
ground, for cor. of secs. 8, 9, 16 and 17, marked on  
brass cap  
1915 on S. rim;  
T15N R18W in W. half;  
S8 in NW.,  
S9 in NE.,  
S16 in SE. and  
S17 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 hills.  
Soil, shallow, rocky; 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocatilla and cacti.
- 
- N.  $89^{\circ} 54'$  E., on a random line, bet. secs. 9 and 16.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.90 Intersect N. and S. line, 19 lks. N. of the cor. of secs.  
9, 10, 15 and 16.  
Thence I run  
N.  $89^{\circ} 58'$  W., on a true line, bet. secs. 9 and 16.  
Over rolling, hilly land, through dense undergrowth.
- 37.45 SW. cor. of James Ross' cabin brs. N.  $22^{\circ} 04'$  W.
- 39.95 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;
- and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor. Pits impracticable.
- 54.50 Wash, 40 lks. wide, course NW.
- 69.30 SW. cor. of James Ross' cabin brs. N.  $26^{\circ} 06'$  E.
- 79.90 The cor. of secs. 8, 9, 16 and 17.  
Land, rolling hills.  
Soil, shallow, rocky; 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocatilla and cacti.
- 
- N.  $0^{\circ} 2'$  W., bet. secs. 8 and 9.
- 40.00 Over rolling, hilly 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.,  
S9 in E. and  
S8 in W. half;
- and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor. Pits impracticable.
- 57.90 Wash, 70 lks. wide, course NW. Road goes up this wash to  
James Ross' cabin.
- 59.70 Wash, 20 lks. wide, course SW.
- 67.70 Shaft at James Ross' mine brs. S.  $69\frac{1}{2}^{\circ}$  E., about 12 chs.  
dist.;
- 80.00 Impracticable to set iron post at this point. Set a granite  
stone, 16 X 10 X 8 ins., 10 ins. in the ground, on  
solid rock, for cor. of secs. 4, 5, 8 and 9, marked with  
4 notches on E. and 5 notches on S. edge; and raise a  
mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
Pits impracticable.

20.

Subdivision of T. 15 N., R. 18 W.

Chains.

Land, rolling hills.  
Soil, shallow, rocky; 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocatilla and cacti.

40.00 S.  $89^{\circ} 58'$  E., on a random line, bet. secs. 4 and 9.  
Set temp.  $\frac{1}{4}$  sec. cor.  
79.93 Intersect N. and S. line, 5 lks. S. of the cor. of secs.  
3, 4, 9 and 10.  
Thence I run  
West on a true line, bet. secs. 4 and 9.  
Over rolling hills, through dense undergrowth.  
14.20 Wash, 30 lks. wide, course SW.  
30.00 Knoll brs. S. about 12 chs. dist.  
32.00 Wash, 50 lks. wide, course S.  
39.96 $\frac{1}{2}$  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;  
S4 in N.,  
S9 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.  
73.00 Top of small knoll. Desc. SW. slope, 90 ft. to  
79.93 The cor. of secs. 4, 5, 8 and 9.  
Land, rolling and broken hills.  
Soil, shallow, rocky, granite formation; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocatilla and cacti.  
May 24, 1915: At this cor., I set off  $20^{\circ} 41'$  N. on the  
decl. arc; and at apparent noon, I observe the sun on  
the meridian; the resulting lat. is  $34^{\circ} 40'$  N.

40.00 N.  $0^{\circ} 2'$  W., on a random line, bet. secs. 4 and 5.  
Set temp.  $\frac{1}{4}$  sec. cor.  
79.98 Intersect N. bdy. of Tp., 7 lks. W. of the cor. of secs.  
4, 5, 32 and 33, which is a stone, established by me,  
as described in Book "A".  
Thence I run  
S.  $0^{\circ} 1'$  W., on a true line, bet. secs. 4 and 5.  
Over rolling land, through dense undergrowth.  
39.98 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.,  
S4 in E. and  
S5 in W. half;  
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor. Pits impracticable.  
48.00 Butte brs. E. about 27 chs. dist.  
50.00 Desc. SW. slope, 50 ft. to  
60.00 Thence over rolling land.  
79.98 The cor. of secs. 4, 5, 8 and 9.  
Land, rolling hills.  
Soil, shallow, rocky; 3rd and 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocatilla and cacti.  
May 24, 1915.

## Subdivision of T. 15 N., R. 18 W.

21.

Chains.	<p>May 4, 1915. From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., which is a stone, established by me, as described in Book "A", I run N.0° 3' W., bet. secs. 31 and 32. Over mountainous land, through dense undergrowth. Desc. NE. slope, 185 ft. to 20.00 Asc. SE. slope, to 23.20 Point of spur, brs. NE. Desc. N. slope, 115 ft. to 31.20 Wash, 30 lks. wide, course NE. Asc. broken SE. slope, 340 ft. 40.00 Impracticable to set iron post at this point. Set a granite stone, 16 X 8 X 6 ins., 10 ins. in the ground, on solid rock, for <math>\frac{1}{4}</math> sec. cor., marked <math>\frac{1}{4}</math> on W. face; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable. 47.40 Spur ridge, brs. NE. Desc. 80 ft. to 50.00 Thence along W. slope. 55.00 Asc. 25 ft. to 58.40 Spur, brs. NW. High point in spur, brs. SE. about 12 chs. dist. Desc. NE. slope, 450 ft. to 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked on brass cap 1915 on S. rim; T15N R18W in N. half; S30 in NW., S29 in NE., S32 in SE. and S31 in SW. quadrant; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, shallow, rocky, decomposed granite and lava; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti.</p>
40.00	N.89° 59' E., on a random line, bet. secs. 29 and 32. Set temp. $\frac{1}{4}$ sec. cor.
79.97	Intersect N. and S. line, at the cor. of secs. 28, 29, 32 and 33. Thence I run S.89° 59' W., on a true line, bet. secs. 29 and 32. Over rolling hills, through dense undergrowth.
21.90	Road, brs. NW. and SE.
32.30	Wash, 40 lks. wide, course N.
39.98 $\frac{1}{2}$	Impracticable to set iron post at this point. Set a granite stone, 18 X 12 X 7 ins., 9 ins. in the ground, on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
70.00	Enter mountainous land, brs. NW. and SE. Asc. NE. slope, 50 ft. to
79.97	The cor. of secs. 29, 30, 31 and 32. Land, rolling and mountainous. Soil, shallow, rocky; 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti. May 4, 1915.

22

## Subdivision of T. 15 N., R. 18 W.

Chains.

- May 5, 1915: At 8 hrs. 4 m., a.m., l.m.t., I set off  $34^{\circ} 36\frac{1}{2}'$  N. on the lat. arc;  $16^{\circ} 4\frac{1}{2}'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 29, 30, 31 and 32.
- Thence I run  
 S.  $89^{\circ} 59'$  W., on a random line, bet. secs. 30 and 31.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 78.54 Intersect W. bdy. of Tp., 6 lks. S. of the cor. of secs. 25, 30, 31 and 36, which is a stone, established by me, as described in Book "A".
- Thence I run  
 S.  $89^{\circ} 58'$  E., on a true line, bet. secs. 30 and 31.  
 Over mountainous land, through dense undergrowth.  
 Along broken N. slope.
- 32.75 Gulch, course NW. Asc. NW. slope, 100 ft.
- 38.54 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;  
 S30 in N.,  
 S31 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.
- 39.36 Spur, brs. NE. Desc. SE. slope, 35 ft. to
- 47.45 Wash, 90 lks. wide, course NE. Road to Scott's Well follows this wash. Asc. broken SW. slope, 205 ft. to
- 66.25 Spur, brs. NW. Desc. NE. slope, 150 ft. to
- 78.54 The cor. of secs. 29, 30, 31 and 32.  
 Land, mountainous.  
 Soil, shallow, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotilla and cacti.  
 May 4, 1915.
- 
- May 4, 1915.  
 N.  $0^{\circ} 3'$  W., bet. secs. 29 and 30.  
 Over mountainous land, through dense undergrowth.
- Desc. NE. slope, 85 ft. to
- 10.00 Leave mountainous land, brs. NW. and SE. Thence over rolling hills.
- 10.60 Wash, 20 lks. wide, course NE.
- 31.10 Road, brs. E. and 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;  
 $\frac{1}{4}$  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.
- 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 R18W 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 and mountainous.  
 Soil, shallow, rocky, decomposed granite and lava; 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotilla and cacti.  
 May 4, 1915; At this cor., I set off  $15^{\circ} 49\frac{1}{2}'$  N. on the decl. arc; and at apparent noon, I observe the sun on

Subdivision of T. 15 N., R. 18 W. 23.

Chains.

the meridian; the resulting lat. is 34° 37½' N.

40.00 N.89° 59' E., on a random line, bet. secs. 20 and 29.  
 Set temp. ¼ sec. cor.  
 80.11 Intersect N. and S. line, 12 lks. S. of the cor. of secs. 20, 21, 28 and 29.  
 Thence I run  
 S.89° 54' W., on a true line, bet. secs. 20 and 29.  
 Over rolling hills, through scattering undergrowth.  
 13.40 Wash, 60 lks. wide, course NE.  
 40.05½ Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for ¼ sec. cor., marked on brass cap  
 1915 on S. rim;  
 S20 in N.,  
 S29 in S. and  
 ¼ in W. half;  
 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 N. of cor. Pits impracticable.  
 53.90 Wash, 20 lks. wide, course NE.  
 62.80 Wash, 20 lks. wide, course NE.  
 80.11 The cor. of secs. 19, 20, 29 and 30.  
 Land, rolling hills.  
 Soil, shallow, rocky; 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocatilla and cacti.  
 May 4, 1915.

May 5, 1915.  
 N.89° 58' W., on a random line, bet. secs. 19 and 30.  
 40.00 Set temp. ¼ sec. cor.  
 78.50 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  
 East on a true line, bet. secs. 19 and 30.  
 Over rolling land, through dense undergrowth.  
 Asc. NW. slope, 45 ft. to  
 7.50 Spur, brs. NE. Desc. slight SE. slope.  
 17.00 Desc. 60 ft. to  
 20.10 Wash, 50 lks. wide, course NW. Asc. 20 ft. to  
 23.00 Thence over rolling land.  
 30.00 Wash, 30 lks. wide, course NW.  
 38.50 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for ¼ sec. cor., marked on brass cap  
 1915 on S. rim;  
 S19 in N.,  
 S30 in S. and  
 ¼ in W. half;  
 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 N. of cor. Pits impracticable.  
 39.60 Road, brs. NW. and SE.  
 56.20 Wash, 50 lks. wide, course NW.  
 63.80 Wash, 90 lks. wide, course N.  
 78.50 The cor. of secs. 19, 20, 29 and 30.  
 Land, rolling hills.  
 Soil, shallow, rocky; 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocatilla and cacti.

## 24. Subdivision of T. 15 N., R. 18 W.

## Chains.

N.0° 3' W., bet. secs. 19 and 20.  
 Over rolling, hilly land, through dense undergrowth.  
 35.20 Wash, 20 lks. wide, course NE.  
 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.  
 May 5, 1915.

May 23, 1915, Continue measurement  
 N.0° 3' W., bet. secs. 19 and 20.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the  
 ground, for cor. of secs. 17, 18, 19 and 20, marked on  
 brass cap  
 1915 on S. rim;  
 T15N R18W 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 hills.  
 Soil, shallow, rocky; 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocatilla and cacti.

N.89° 54' E., on a random line, bet. secs. 17 and 20.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.10 Intersect N. and S. line, 35 lks. N. of the cor. of secs.  
 16, 17, 20 and 21.  
 Thence I run  
 N.89° 51' W., on a true line, bet. secs. 17 and 20.  
 Over rolling, hilly land, through dense undergrowth.  
 14.30 Gulch, 15 lks. wide, 50 ft. deep, course NE.  
 25.00 Gulch, 60 ft. deep, course NE.  
 40.05 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;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor. Pits impracticable.  
 63.30 Wash, 50 lks. wide, course N.  
 80.10 The cor. of secs. 17, 18, 19 and 20.  
 Land, rolling hills.  
 Soil, shallow, rocky; 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocatilla and cacti.

West on a random line, bet. secs. 18 and 19.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 78.44 Intersect W. bdy. of Tp., 9 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".  
 Thence I run  
 N.89° 56' E., on a true line, bet. secs. 18 and 19.  
 Over rolling hills, through dense undergrowth.  
 19.70 Wagon road, brs. NW. and SE.  
 26.80 Wash, 3 chs. wide, course NW.

Subdivision of T. 15 N., R. 18 W.

BOOK 2946  
25.

<p>Chains 38.44  53.50 77.20 78.44</p>	<p>Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap 1915 on S. rim; S18 in N., S19 in S. and <math>\frac{1}{4}</math> in W. half; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable.</p> <p>Wash, 3 chs. wide, course NW.</p> <p>Wash, 20 lks. wide, course NW.</p> <p>The cor. of secs. 17, 18, 19 and 20. Land, rolling hills. Soil, shallow, rocky; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti. May 23, 1915: At this cor., I set off <math>20^{\circ} 29\frac{1}{2}'</math> N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is <math>34^{\circ} 38\frac{1}{2}'</math> N.</p>
<p>40.00  80.00</p>	<p>N. <math>0^{\circ} 3'</math> W., bet. secs. 17 and 18. Over rolling hills, through dense undergrowth.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on solid rock, supported by a mound of stone, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap 1915 on S. rim; <math>\frac{1}{4}</math> in N., S17 in E. and S18 in W. half; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p> <p>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 R18W in N. half; S7 in NW., S8 in NE., S17 in SE. and S18 in SW. quadrant; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable. Land, rolling hills. Soil, shallow, stony, 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti.</p>
<p>40.00 80.00  8.00 36.20 40.00  59.80 80.00</p>	<p>S. <math>89^{\circ} 51'</math> E., on a random line, bet. secs. 8 and 17.</p> <p>Set temp. <math>\frac{1}{4}</math> sec. cor.</p> <p>Intersect N. and S. line, 21 lks. S. of the cor. of secs. 8, 9, 16 and 17. Thence I run West on a true line, bet. secs. 8 and 17. Over rolling hills, through dense undergrowth.</p> <p>Wash, 6 chs. wide, course NW.</p> <p>Wash, 30 lks. wide, course NW.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap 1915 on S. rim; S8 in N., S17 in S. and <math>\frac{1}{4}</math> in W. half; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable.</p> <p>Wash, 30 lks. wide, course NW.</p> <p>The cor. of secs. 7, 8, 17 and 18.</p>

26.

Subdivision of T. 15 N., R. 18 W.

Chains.	<p>Land, rolling hills. Soil, shallow, rocky; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti. May 23, 1915.</p>
40.00 78.36	<p>May 25, 1915: At 8 hrs. 4 m., a.m., l.m.t., I set off 34° 39' N. on the lat. arc; 20° 50<math>\frac{1}{2}</math>' 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° 56' W., on a random line, bet. secs. 7 and 18. Set temp. <math>\frac{1}{4}</math> sec. cor. Intersect W. bdy. of Tp., 2 lks. S. of the cor. of secs. 7, 12, 13 and 18, which is a stone, established by me, as described in Book "A". Thence I run N.89° 57' E., on a true line, bet. secs. 7 and 18. Over rolling hills, through dense undergrowth.</p>
18.35 38.36	<p>Wash, 2 chs. wide, course NW. Impracticable to set iron post at this point. Set a granite stone, 16 X 10 X 8 ins., 12 ins. in the ground, on solid rock, for <math>\frac{1}{4}</math> sec. cor., marked <math>\frac{1}{4}</math> on N. face; and raise a mound of stone, 2 ft. base, 1<math>\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable.</p>
44.15 78.15 78.36	<p>Wash, 30 lks. wide, course NW. Wash, 20 lks. wide, course NW. The cor. of secs. 7, 8, 17 and 18. Land, rolling hills. Soil, shallow, rocky; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti.</p>
28.60 40.00	<p>N.0° 3' W., bet. secs. 7 and 8. Over rolling hills, through dense undergrowth. Wash, 30 lks. wide, course NW. Impracticable to set iron post at this point. Set a lava stone, 14 X 10 X 8 ins., 10 ins. in the ground, on solid rock, for <math>\frac{1}{4}</math> sec. cor., marked <math>\frac{1}{4}</math> on W. face; and raise a mound of stone, 2 ft. base, 1<math>\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p>
75.40 80.00	<p>Wash, 20 lks. wide, course NW. Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, marked on brass cap 1915 on S. rim; T15N R18W in N. half; S6 in NW., S5 in NE., S8 in SE. and S7 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1<math>\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable. Land, rolling hills. Soil, shallow, rocky; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti.</p>
40.00 80.05	<p>East on a random line, bet. secs. 5 and 8. Set temp. <math>\frac{1}{4}</math> sec. cor. Intersect N. and S. line, at the cor. of secs. 4, 5, 8 and 9.</p>

Chains.	<p>Thence I run West on a true line, bet. secs. 5 and 8. Over rolling hills, through dense undergrowth. 5.65 Prospect hole 20 ft. deep, brs. South 50 lks. dist. 40.02<math>\frac{1}{2}</math> Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap 1915 on S. rim; S5 in N., S8 in S. and <math>\frac{1}{4}</math> in W. half; and raise a mound of stone, 2 ft. base, 1<math>\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable;</p> <p>51.95 Wash, 70 lks. wide, course NW. Road to James Ross' cabin follows this wash.</p> <p>80.05 The cor. of secs. 5, 6, 7 and 8. Land, rolling hills. Soil, shallow, rocky; 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti. May 25, 1915: At this cor., I set off 20° 52' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 40' N.</p>
40.00	S.89° 57' W., on a random line, bet. secs. 6 and 7. Set temp. $\frac{1}{4}$ sec. cor.
78.30	Intersect W. bdy. of Tp., 2 lks. N. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, established by me, as described in Book "A". Thence I run N.89° 56' E., on a true line, bet. secs. 6 and 7. Over rolling hills, through dense undergrowth.
38.30	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; S6 in N., S7 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.
53.50	Wash, 50 lks. wide, course NW.
75.10	Wash, 20 lks. wide, course NW.
78.30	The cor. of secs. 5, 6, 7 and 8. Land, rolling hills. Soil, shallow, rocky; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti.
40.00	N.0° 3' W., on a random line, bet. secs. 5 and 6. Set temp. $\frac{1}{4}$ sec. cor.
79.95	Intersect N. bdy. of Tp., 5 lks. W. of the cor. of secs. 5, 6, 31 and 32, which is a stone, established by me, as described in Book "A". Thence I run S.0° 1' E., on a true line, bet. secs. 5 and 6. Over broken land, through dense undergrowth.
6.55	Wash, 50 lks. wide, course SW.
19.95	Leave broken land, brs. NW. and SE. Thence over rolling land.
39.95	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ in N., S5 in E. and S6 in W. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

28.

Subdivision of T. 15 N., R. 18 W.

Chains.  
 49.95 Wash, 70 lks. wide, course NW.  
 72.95 Road, brs. NW. and SE.  
 79.95 The cor. of secs. 5, 6, 7 and 8.  
 Land, rolling hills.  
 Soil, shallow, rocky; 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocatilla and cacti.  
 J. M. M.  
 May 25, 1915.

## GENERAL DESCRIPTION.

The greater part of this township is rolling land, covered with dense desert undergrowth, and cut by deep washes and gulches. The drainage is north east and north west. The soil is rocky, 3rd and 4th rate. The undergrowth consists of greasewood, palo verde, ocatilla and cacti. There are some indications of mineral. James Ross' cabin is in sec. 9.

U. S. Surveyor.

U. S. Transitman.

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

**FINAL OATH OF UNITED STATES SURVEYOR.**

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 accord-  
ance 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 18 West,

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

executed by Albert Smith, Jr., U.S. Surveyor, & J.M. McKinney, Jr., U.S. Transitman  
under his 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.

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.~~