

2934

MAR 3-1917

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Book "B"

BOOK 2934

Subdivisions

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES OF

TOWNSHIP 13 NORTH, RANGE 17 WEST

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,

by authority of the U. S. Department of the Interior, under instructions dated Dec. 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 Feb. 18, 1915.

Survey completed March 26, 1915.

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Executed under assignment
Instructions dated Jan. 28, 1915.

2934

192
1A

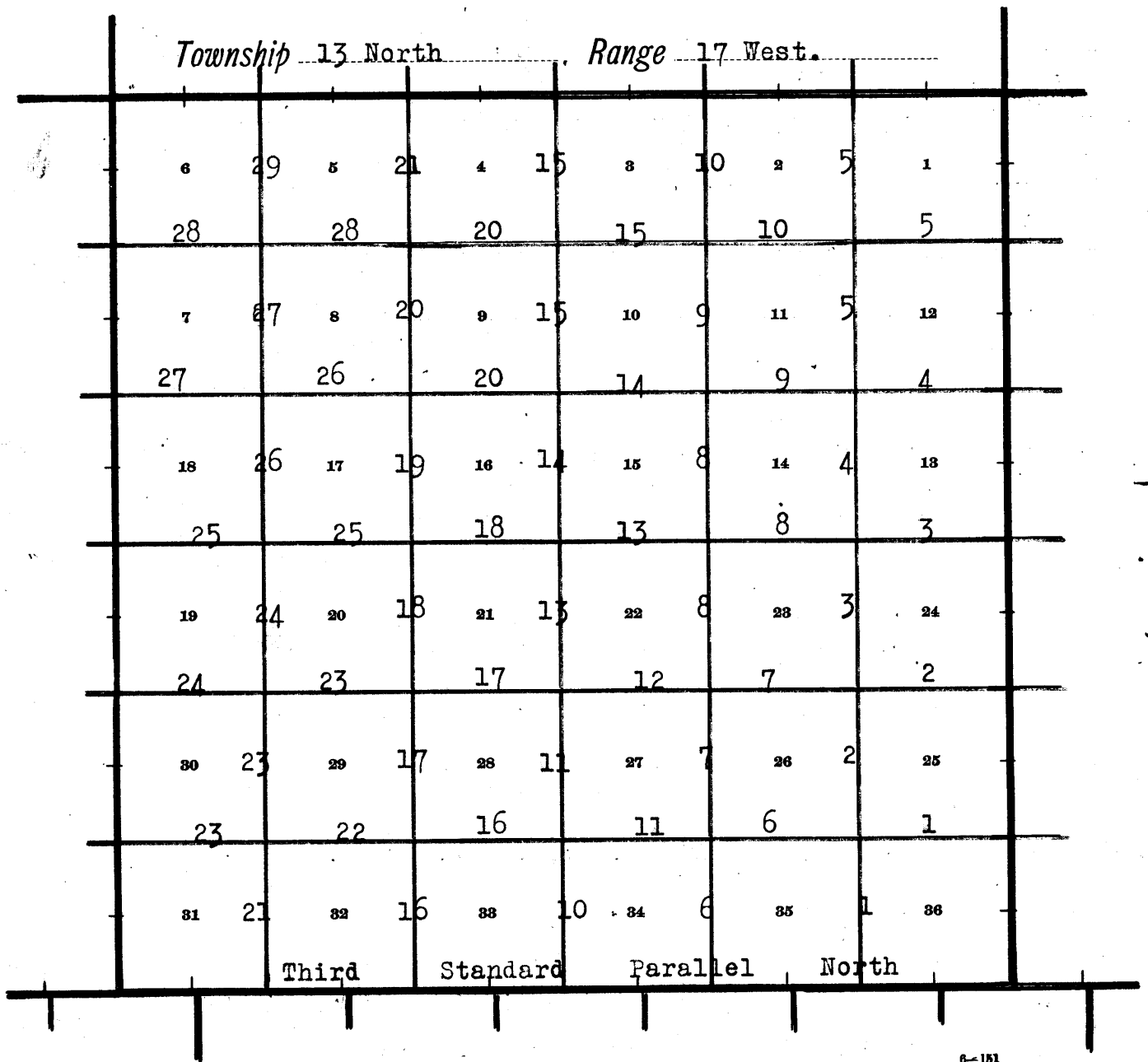
Book "B"

Group 42, Arizona

(Subdivisions)

BOOK 2934

INDEX DIAGRAM.



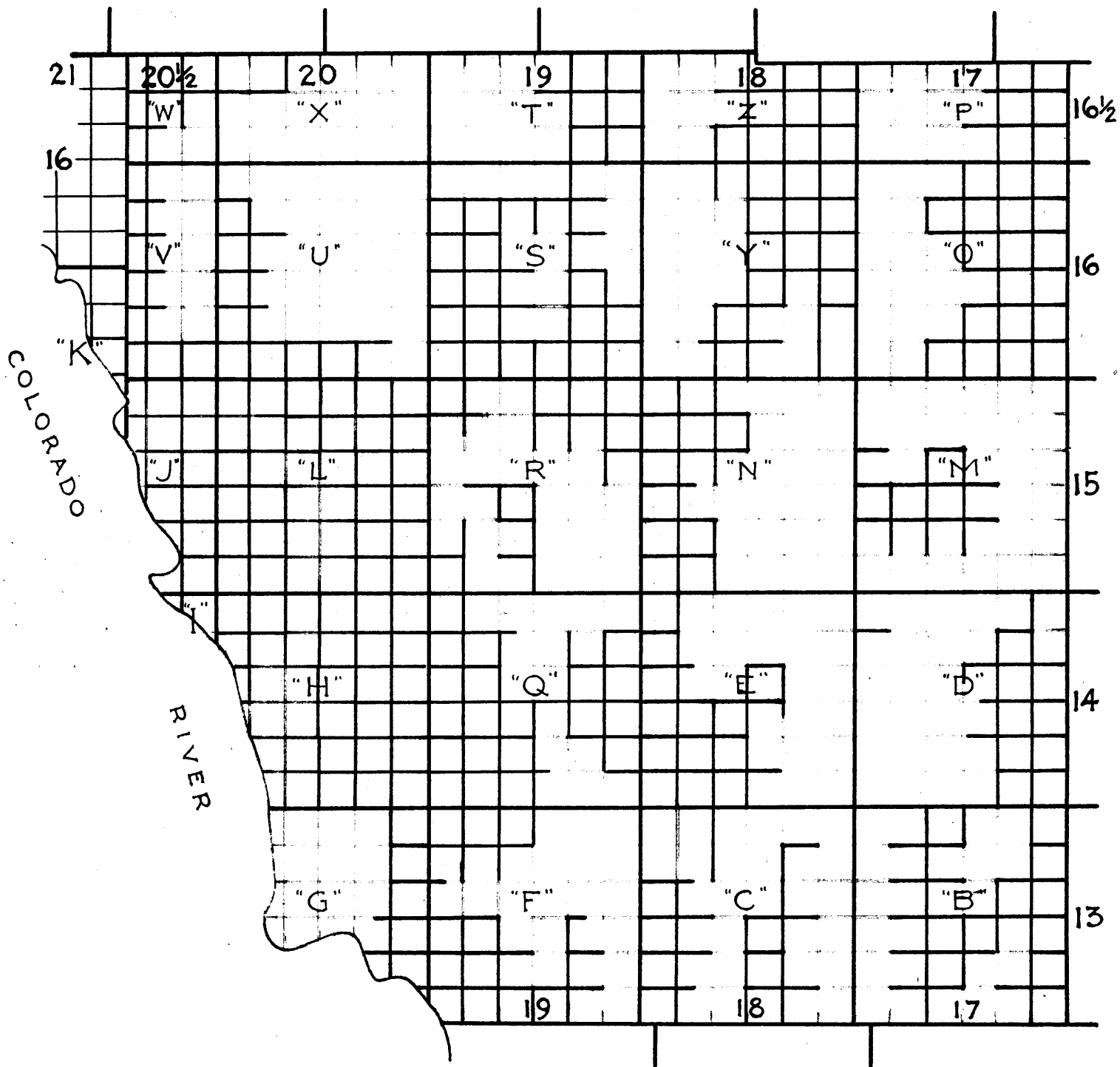
6-151

- Subdivision lines surveyed under this Group
- Notes in Book "A" of this Group.
- Surveyed under Group 41
- Surveyed under Group 48

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2934

DIAGRAM~SHOWING THE RESPECTIVE
 SURVEYS OF SUBDIVISION LINES
 AND MEANDER LINES EXECUTED
 BY EACH SURVEYOR AND TRANSITMAN
 UNDER INSTRUCTIONS
 FOR GROUP 42, ARIZONA



Albert Smith Jr., U.S. Surveyor
 (Green)

Otis Ross, U.S. Surveyor
 (Yellow)

J.M. McKinney, Jr., U.S. Transitman
 (Carmine)

John Conin, U.S. Transitman
 (Blue)

Deane J. Wolff, U.S. Transitman
 (Orange)

Ray D. Armstrong, U.S. Transitman
 (Brown)

BOOK 2934

FINAL CERTIFICATE OF U. S. SURVEYORS AND TRANSITMEN.

We, the undersigned, hereby certify on honor that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona, bearing date of December 28, 1914, we have well, faithfully, and truly, in our own proper persons, 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

G R O U P 4 2,

which are represented on the diagram on the reverse hereof as having severally been executed by us, and under our direction; and we do further certify on honor 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 Arizona, and in the specific manner described in our respective field notes.

Albert Smith Jr.

Chas Ross

Dean J. Wolff

Ray D. Armstrong

John Gorin

J. M. McKinney, Jr.

Subdivision of T. 13 N., R. 17 W.

10

Chains.

Survey commenced Feb. 18, 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 8145, respectively, with Smith solar attachments. For description of instruments, and certificate of approval, see Book "A".

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. 13 N., R. 17 W.

A. S. and J. M. M.
Feb. 18, 1915.

Feb. 20, 1915: J. M. M.

At 8 hrs. 4 m., a.m., l.m.t., I set off 34° 25' N. on the lat. arc; 11° 7' S. on the decl. arc; and determine a meridian with the solar at the std. cor. of secs. 35 and 36, on the S. bdy. of the Tp., which is an iron post, established by A. S., as described in Book "A".

Thence I run

N.0° 1' W., bet. secs. 35 and 36.

Over rolling land, through scattering undergrowth.

Asc. SE. slope, 75 ft. to

12.54 Spur, brs. SW. Desc. N. slope, 90 ft. to

20.24 Gulch, course W. Asc. SE. slope, 140 ft. to

34.14 Spur, brs. SW. Desc. NW. slope, 115 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap
1915 on S. rim;
1/4 S35 in W. and
S36 in E. half;

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

45.54 Gulch, course SW. Asc. SE. slope, 90 ft. to

52.54 Spur, brs. SW. Desc. NW. slope, 50 ft. to

57.44 Wash, 20 lks. wide, course SW. Asc. S. slope, 255 ft. to

70.04 Rim of mesa, brs. NW. and SE. Thence across top of mesa.

75.44 Rim of mesa, brs. 5 chs. SW. and 25 chs. NE. Desc. NW. slope, 140 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, on solid rock, supported by a mound of stone, for cor. of secs. 25, 26, 35 and 36, marked on brass cap

1915 on S. rim;
T13N R17W 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 1/2 ft. high, W. of cor. Pits impracticable.

Land, rolling.

Soil, decomposed granite and lava rock, 4th rate.

No timber.

Undergrowth, greasewood, sage brush and palo verde.

Feb. 20, 1915: At this cor., I set off 11° 4' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 26' N.

Feb. 20, 1915.

Feb. 21, 1915: At 9 hrs. 30 m., a.m., l.m.t., I set off 34° 26' N. on the lat. arc; 10° 44 1/2' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 25, 26, 35 and 36.

Thence I run

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

40.00 Set temp. 1/4 sec. cor.

2.

Subdivision of T. 13 N., R. 17 W.

Chains.	
80.00	Intersect E. bdy of Tp., 11 lks. N. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, established by A. S. as described in Book "A". Thence I run N. 89° 55' W., on a true line, bet. secs. 25 and 36. Over rolling land, through scattering undergrowth.
5.50	Wash, 20 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; $\frac{1}{4}$ S25 in N. and S36 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
40.20	Wash, 10 lks. wide, course NE. Butte brs. S. about 25 chs. dist. Asc. NE. slope, 155 ft. to
54.20	Spur, brs. N. Desc. NW. slope, 70 ft. to
60.00	Enter mesa, bears NE, and, SW.
75.00	Rim of mesa, bears NE. and SW. Desc. 50 ft. to
80.00	The cor. of secs. 25, 26, 35 and 36. Land, rolling. Soil, sandy, decomposed granite and lava rock, 4th rate. No timber. Undergrowth, cacti.
	N. 0° 1' W., bet. secs. 25 and 26. Over rolling land, through scattering undergrowth. Desc. N. slope, 135 ft. to
26.20	Wash, 50 lks. wide, course SW. Asc. S. slope, 95 ft. to
40.00	Top of knoll. 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; $\frac{1}{4}$ S26 in W. and S25 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Feb. 21, 1915: At this cor., I set off 10° 42 $\frac{1}{2}$ ' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 26 $\frac{1}{2}$ ' N.
50.00	Desc. N. slope, 85 ft. to
70.00	Wash, 20 lks. wide, course NW.
79.50	Wash, course NW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap 1915 on S. rim; T13N R17W 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, 1st 10 chs. mountainous; rest rolling. Soil, sandy, decomposed granite and lava rock; 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti.
40.00	S. 89° 55' E., on a random line, bet. secs. 24 and 25. Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect E. bdy. of Tp., 2 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is a stone, established by A. S. as described in Book "A". Thence I run N. 89° 56' W., on a true line, bet. secs. 24 and 25.

Chains.

Over rolling land, through scattering undergrowth.
 30.00 Leave rolling land, brs. N. and S. Asc. E. slope, 345 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., on solid rock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S24 in N. and
 S25 in S. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 43.00 Top of butte, brs. NW. and SE. Extends 10 chs. S. and 20 chs. N. of line. Desc. SW. slope, 420 ft.
 65.00 Foot of desc.; brs. NW. and SE. Thence over rolling land.
 80.00 The cor. of secs. 23, 24, 25 and 26.
 Land, rolling and mountainous.
 Soil, sandy, decomposed granite and lava rock; 4th rate.
 No timber.
 Undergrowth, greasewood, palo ver de and cacti.
 Feb. 21, 1915.

Feb. 22, 1915: At 8 hrs. 3 m., a.m., l.m.t., I set off $34^{\circ} 27'$ N. on the lat. arc; $10^{\circ} 23\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 23, 24, 25 and 26.
 Thence I run
 N. $0^{\circ} 1'$ W., bet. secs. 23 and 24.
 Over rolling hills, through scattering 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;
 $\frac{1}{4}$ S23 in W. and
 S24 in E. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 50.00 Main wash, 40 lks. wide, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked on brass cap
 1915 on S. rim;
 T13N R17W 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.
 Soil, sandy decomposed granite, 3rd rate.
 No timber.
 Undergrowth, mesquite, greasewood and cacti.

S. $89^{\circ} 56'$ E., on a random line, bet. secs. 13 and 24.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect E. bdy. of Tp., 7 lks. N. of the cor. of secs. 13, 18, 19 and 24, which is a stone, established by A. S., as described in Book "A".
 Thence I run
 N. $89^{\circ} 53'$ W., on a true line, bet. secs. 13 and 24.
 Over hilly land, through scattering undergrowth.
 Desc. NW. slope, 265 ft. to
 24.96 Wash, 20 lks. wide, course SW.
 39.98 Point for cor. falls on ledge of rock. Impracticable to set an iron post. Set a sandstone, 14 X 10 X 8 ins., 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.

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Subdivision of T. 13 N., R. 17 W.

Chains.	
75.96	Wash, 50 lks. wide, course SW.
79.96	The cor. of secs. 13, 14, 23 and 24. Land, rolling hills. Soil, sandy, decomposed granite and lava rock, 3rd and 4th rate. No timber. Undergrowth, mesquite, greasewood, palo verde and cacti.
3.50	N.0° 1' W., bet. secs. 13 and 14. Over rolling hills, through scattering undergrowth. Low rocky spur, brs. SE.
18.00	Wash, 30 lks. wide, course SE.
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; $\frac{1}{4}$ S14 in W. and S13 in E. 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., 26 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap 1915 on S. rim; T13N R17W 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, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land rolling hills. Soil, sandy, decomposed granite and lava rock, 3rd and 4th rate. No timber. Undergrowth, mesquite, greasewood, and cacti.
40.00	S. 89° 53' E., on a random line, bet. secs. 12 and 13. Set temp. $\frac{1}{4}$ sec. cor.
79.88	Intersect E. bdy. of Tp., 4 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". Thence I run N.89° 51' W., on a true line, bet. secs. 12 and 13. Over rolling land, through scattering undergrowth.
13.38	Wash, 30 lks. wide, course SW.
39.94	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; $\frac{1}{4}$ S12 in N. and; S13 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
40.68	Wash, 30 lks. wide, course SW.
59.68	Main wash, 50 lks. wide, course SW.
75.38	Wash, 20 lks. wide, course SE.
79.88	The cor. of secs. 11, 12, 13 and 14. Land, rolling. Soil, sandy, 3rd rate. No timber. Undergrowth, scattering mesquite, greasewood and cacti. Feb. 22, 1915: At this cor., I set off 10° 21' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 28 $\frac{1}{2}$ ' N.

Subdivision of T. 13 N., R. 17 W.

Chains.

N.0° 1' W., bet. secs. 11 and 12.
 Over rolling land, through scattering undergrowth.
 6.00 Wash, 20 lks. wide, course SE. Asc. S. slope, 115 ft. to
 16.20 Spur, brs. E. Desc. NE. slope, 145 ft. to
 30.00 Wash, 30 lks. wide, course E. Asc. SE. slope, 110 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S11 in W. and
 S12 in E. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Pits impracticable.
 46.00 Spur, brs. E. Thence along broken E. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the
 ground, for cor. of secs. 1, 2, 11 and 12, marked on
 brass cap
 1915 on S. rim;
 T13N R17W 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, decomposed granite, sand and lava rocks; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

S.89° 51' E., on a random line, bet. secs. 1 and 12.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.88 Intersect E. bdy. of Tp., 2 lks. S. of the cor. of secs.
 1, 6, 7 and 12, which is an iron post, established by
 A. S., as described in Book "A".
 Thence I run
 N.89° 52' W., on a true line, bet. secs. 1 and 12.
 Over rolling hills, through scattering undergrowth.
 39.94 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;
 $\frac{1}{4}$ S1 in N. and
 S12 in S. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Pits impracticable.
 55.38 Main wash, 30 lks. wide, course S. Asc. broken E. slope,
 80 ft. to
 79.88 The cor. of secs. 1, 2, 11 and 12.
 Land, rolling hills.
 Soil, decomposed granite, sand and lava rocks; 3rd and 4th
 rate.
 No timber.
 Undergrowth, scattering mesquite, yucca, greasewood and
 cacti.

N.0° 1' W., on a random line, bet. secs. 1 and 2.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.74 Intersect N. bdy. of Tp., 4 lks. E. of the cor. of secs.
 1, 2, 35 and 36, which is an iron post, established by
 A. S., as described in Book "A".
 Thence I run
 S.0° 3' E., on a true line, bet. secs. 1 and 2.
 Over rolling hills, through scattering undergrowth.
 8.74 Wash, 20 lks. wide, course SE. Asc. NE. slope, 90 ft. to
 19.74 Spur, brs. E. Desc. S. slope, 90 ft.
 39.74 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the

6.

Subdivision of T. 13 N., R. 17 W.

Chains.	<p>ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$S2 in W. and S1 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.</p> <p>49.24 Wash, 30 lks. wide, course SE. Asc. N. slope, 80 ft. to 57.74 Spur, brs. E. Desc. broken SE. slope, 25 ft. to 79.74 The cor. of secs. 1, 2, 11 and 12. Land, rolling hills. Soil, decomposed granite, sand and lava rock, 3rd and 4th rate. No timber. Undergrowth, scattering mesquite, greasewood, palo verde and cacti.</p> <p style="text-align: right;">J. M. M. Feb. 22, 1915.</p>
<p>9.45 27.60 37.40 40.00 80.00</p>	<p>Feb. 18, 1915: A. S. From the sta. cor. of secs. 34 and 35 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. 34 and 35. Over rolling land, through scattering undergrowth.</p> <p>Wash, course SE.</p> <p>Rim, brs. NE. and SW. Desc. NW. slope 80 ft. to</p> <p>Wash, 3 chs. wide, course SW.</p> <p>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; $\frac{1}{4}$S34 in W. and S35 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.</p> <p>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; T13N R17W in N. half; S27 in NW., S26 in NE., S35 in SE. and S34 in SW. quadrant; and raise amount of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.</p> <p>Land, level and rolling. Soil, 2nd and 3rd rate. No timber. Undergrowth, palo verde, ocatilla and cacti.</p> <p style="text-align: right;">Feb. 18, 1915. A. S.</p>
<p>40.00 79.96 17.96 38.96 39.98</p>	<p>Feb. 20, 1915: J. M. M. East, on a random line, bet. secs. 26 and 35.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p> <p>Intersect N. and S. line, 5 lks. N. of the cor. of secs. 25, 26, 35 and 36, Thence I run N. 89° 58' W., on a true line, bet. secs. 26 and 35. Over rolling land, through scattering undergrowth.</p> <p>Desc. NW. slope, 180 ft. to</p> <p>Wash, 50 lks. wide, course SW. Asc. SE. slope, 60 ft. to</p> <p>Spur, brs. SW. Desc. SW. slope, 40 ft.</p> <p>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>

Subdivision of T. 13 N., R. 17 W.

7.

Chains.

1915 on S. rim;
 $\frac{1}{4}$ S26 in N. and
 S35 in S. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Pits impracticable.

48.96 Wash, 20 lks. wide, course SW. Asc. SE. slope, 35 ft. to
 56.16 Spur, brs. SW. Desc. W. slope, 125 ft. to
 63.36 Main wash, 40 lks. wide, course SW. Thence over level
 land.

79.96 The cor. of secs. 26, 27, 34 and 35.
 Land, level and hilly.
 Soil, 3rd and 4th rate, sandy and lava rock.
 No timber.
 Undergrowth, scattering greasewood, sage brush, palo verde
 and cacti.

J. M. M.
 Feb. 20, 1915.

Feb. 21, 1915: A. S.
 N.0° 1' W., bet. secs. 26 and 27.
 Over level land, through dense undergrowth.

11.70 Wash, 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;
 $\frac{1}{4}$ S27 in W. and
 S26 in E. half;
 dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
 dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high, W. of cor.

80.00 Set a granite stone, 20 X 14 X 10 ins., 15 ins. in the
 ground, for cor. of secs. 22, 23, 26 and 27, marked
 with 2 notchs on S. and E. edges; and raise a mound
 of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits
 impracticable.
 Land, level.
 Soil, 2nd and 3rd rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

S.89° 58' E., on a random line, bet. secs. 23 and 26.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.95 Intersect N. and S. line, 5 lks. S. of the cor. of secs.
 23, 24, 25 and 26.
 Thence I run
 West, on a true line, bet. secs. 23 and 26.
 Over rolling land, through scattering undergrowth.

2.00 Wash, course NW. Asc. slight NE. slope to
 20.00 Low spur, slopes NW. Desc.
 39.97 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;
 $\frac{1}{4}$ S23 in N. and
 S26 in S. half;
 dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high, N. of cor.

57.55 Wash, 5 chs. wide, course S.
 79.95 The cor. of secs. 22, 23, 26 and 27.
 Land, rolling.
 Soil, 2nd rate.
 No timber.
 Undergrowth, yucca, palo verde, ocatilla, greasewood and
 cacti.

A. S.
 Feb. 21, 1915.

Chains.

Feb. 26, 1916: J. M. M.
 N.0° 1' W., bet. secs. 22 and 23.
 Over rolling hills, through scattering undergrowth.
 37.00 Wash, 60 lks. wide, course SE.
 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;
 $\frac{1}{4}$ S22 in W. and
 $\frac{1}{4}$ S23 in E. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Pits impracticable.
 45.00 Wash, 30 lks. wide, course SE. Asc. S. slope, 115 ft. to
 59.00 Top of knoll. Desc. NE. slope, 90 ft. to
 73.80 Wash, 60 lks. wide, course SE.
 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;
 T13N R17W 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, sandy, decomposed granite, 3rd rate.
 No timber.
 Undergrowth, greasewood, mesquite, ocatilla and cacti.

East, on a random line, bet. secs. 14 and 23.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. and S. line, 5 lks. S. of the cor. of secs.
 13, 14, 23 and 24.
 Thence I run
 S.89° 58' W., on a true line, bet. secs. 14 and 23.
 Over rolling hills, through scattering undergrowth.
 35.40 Wash, 20 lks. wide, course S.
 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;
 $\frac{1}{4}$ S14 in N. and
 $\frac{1}{4}$ S23 in S. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Pits impracticable.
 42.40 Wash, 20 lks. wide, course SE.
 52.90 Wash, 30 lks. wide, course SE.
 72.40 Wash, 20 lks. wide, course S.
 79.90 The cor. of secs. 14, 15, 22 and 23.
 Land, rolling hills.
 Soil, 3rd rate, decomposed granite and lava rocks.
 No timber.
 Undergrowth, greasewood, palo verde, yucca and cacti.
 Feb. 26, 1916.

Feb. 27, 1915.
 N.0° 1' W., bet. secs. 14 and 15.
 Over rolling hills, through scattering undergrowth.
 38.50 Enter mountainous land, brs. NW. and SE. Asc. SW. slope,
 135 ft.
 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;
 $\frac{1}{4}$ S15 in W. and
 S14 in E. half;

Subdivision of T. 13 N., R. 17 W. 9.

Chains.

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

48.00 Spur, brs. W. Desc. NW. slope, 55 ft. to
 52.00 Gulch, course SW. Asc. S. slope, 360 ft.
 63.50 Asc. SW. slope.
 76.20 Spur, brs. SE. Desc. NE. slope, 120 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, on solid rock, supported by a mound of stone, for cor. of secs. 10, 11, 14 and 15, marked on brass cap

1915 on S. rim;
 T13N R17W in N. half;
 S10 in NW.,
 S11 in NE.,
 S14 in SE. and
 S15 in SW. quadrant;

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

Land, rolling and mountainous.
 Soil, first half mile, sandy, decomposed granite; last half mile, limestone and lava rock.
 No timber.
 Undergrowth, greasewood, palo verde, yucca and cacti.
 Feb 27, 1915: At this cor., I set off 8° 30½' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 28½' N.

40.00 N. 89° 58' E., on a random line, bet. secs. 11 and 14. Set temp. ¼ sec. cor.
 79.88 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 11, 12, 13 and 14.
 Thence I run
 S. 89° 57' W., on a true line, bet. secs. 11 and 14.
 Over mountainous land, through scattering undergrowth. Asc. SE. slope, 530 ft. to
 34.88 Rim of mesa, brs. NW. and SE. Thence over level land.
 39.38 Rim of mesa, brs. NW. and SE. Desc. SW. slope, 245 ft.
 39.94 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 S11 in N. and
 S14 in S. half;

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

77.88 Wash, course SE. Asc. NE. slope, 25 ft. to
 79.88 The cor. of secs. 10, 11, 14 and 15.
 Land, mountainous.
 Soil, rocky, lava and limestone, 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

J. M. M.
 Feb. 27, 1915.

Mar. 3, 1915: A. S.
 N. 0° 1' W., bet. secs. 10 and 11.
 Desc. NE. slope, 30 ft. to
 .90 Wash, 15 lks. wide, course SE. Asc. SW. slope, 220 ft. to
 24.75 Rim of canyon, brs. NW. and SE.
 27.05 Rim of canyon, brs. NE. and SW. Desc. steep rocky NW. slope, 315 ft.
 40.00 Set a lava stone, 16 X 12 X 10 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.

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Subdivision of T. 13 N., R. 17 W.

Chains.	
47.80	Wash, 25 lks. wide, course SW. Asc. S. slope, 325 ft. to
80.00	Impracticable to set an iron post at this point. Set a lava stone, 20 X 12 X 6 ins., 15 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked with 5 notches on S. and 2 notches on E. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, mountainous. Soil, 12 ins. deep; 4th rate, rocky. No timber. Undergrowth, palo verde, greasewood, ocatilla and cacti. Mar. 2, 1915.
	Mar. 3, 1915.
	N.89° 57' E., on a random line, bet. secs. 2 and 11.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line, 9 lks. N. of the cor. of secs. 1, 2, 11 and 12.
	Thence I run
	N.89° 59' W., on a true line, bet. secs. 2 and 11.
	Over mountainous land, through scattering undergrowth. Asc. NE. slope, 505 ft.
40.05	Impracticable to set an iron post at this point. Set a granite stone, 16 X 12 X 10 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
58.40	Top of ascent; thence across level land.
61.80	Rim of canyon, brs. NW. and SE. Desc. SW. slope, 195 ft. to
70.20	Wash, 8 lks. wide, course S. Asc. SE. slope, 65 ft. to
80.10	The cor. of secs. 2, 3, 10 and 11. Land, mountainous. Soil, rocky, 4th rate. No timber. Undergrowth, palo verde, ocatilla, greasewood and cacti.
	N.0° 1' W., on a random line, bet. secs. 2 and 3.
40.00	Set temp. ¼ sec. cor.
79.80	Intersect N. bdy. of Tp., 2 lks. W. of the cor. of secs. 2, 3, 34 and 35, which is an iron post, established by me, as described in Book "A". Thence I run
	South on a true line, bet. secs. 2 and 3. Over mountainous land, through scattering undergrowth. Desc. gradual S. slope, 100 ft. to
26.22	Wash, 30 lks. wide, course E. Asc. rocky N. slope, 575 ft.
39.80	Impracticable to set an iron post at this point. Set a granite stone, 14 X 10 X 10 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
51.00	Top of rim, brs. NW. and SE. Desc. gentle S. slope, 175 ft. to
79.80	The cor. of secs. 2, 3, 10 and 11. Land, mountainous. Soil, rocky, 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti. Mar. 3, 1915.
	Feb. 21, 1915.
	From a point on the secant, in sec. 34, T. 13 N., R. 17 W. 75.40 chs. W. of the std. cor. of secs. 34 and 35, I run
	N.74° 05' W., 4.85 chs.; to a point 6 lks. W. and 1.36

Subdivision of T. 13 N., R. 17 W.

11.

Chains.

chs. N. of the true point for std. cor. of secs. 33 and 34.
 Thence East 6 lks. to the sec. line, bet. secs. 33 and 34.
 1.36 Top of rim, brs. NW. and SE. Thence I run
 N. $0^{\circ} 2'$ W., bet. secs. 33 and 34, measuring from cor. point
 Over mountainous land, through scattering undergrowth.
 Asc. S. slope, 125 ft. to
 8.00 Rim of canyon, brs. NE. and SW. Desc. NW. slope, 210 ft. to
 18.04 Wash, 15 lks. wide, course W. Asc. SW. slope, 200 ft.
 23.32 Base of vertical cliff, 60 ft. high, brs. E. and W.
 32.08 Edge of rim, brs. E. and W. Thence across level land.
 40.00 Impracticable to set an iron post at this point. Set a
 basaltic stone, 16 X 10 X 5 ins., 11 ins. in the ground,
 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.
 57.79 Edge of rim, brs. E. and W. Desc. rocky N. slope, 290 ft. to
 77.30 Wash, 8 lks. wide, course E. Asc. S. slope, 50 ft. to
 80.00 Impracticable to set an iron post at this point. Set a
 granite stone, 20 X 12 X 8 ins., 15 ins. in the ground,
 for cor. of secs. 27, 28, 33 and 34, marked with 1
 notch on S. and 3 notches on E. edge; and raise a mound
 of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits
 impracticable.
 Land, level and mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocatilla and cacti.

40.00 East on a random line, bet. secs. 27 and 34.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.99 Intersect N. and S. line, 5 lks. S. of the cor. of secs.
 26, 27, 34 and 35.
 Thence I run
 S. $89^{\circ} 58'$ W., on a true line, bet. secs. 27 and 34.
 Over rolling land, across small draws and knoll, through
 dense undergrowth.
 24.99 Enter flat, brs. NW. and SE.
 39.99 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S27 in N. and
 S34 in S. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Pits impracticable.
 65.06 Wash, 3 chs. wide, course SE. Thence in wash, 10 lks. wide,
 course E.
 73.09 Leave wash, comes from SW. Asc. SE. slope, 75 ft. to
 79.99 The cor. of secs. 27, 28, 33 and 34.
 Land, level and rolling.
 Soil, 2nd rate.
 No timber.
 Undergrowth, palo verde, greasewood, ocatilla and cacti.
 Feb. 21, 1915: At this cor., I set off $10^{\circ} 42\frac{1}{2}'$ S. on the
 decl. arc; and at apparent noon, I observe the sun on
 the meridian; the resulting lat. is $34^{\circ} 26'$ N.
 A. S.
 Feb. 21, 1915.

Feb. 26, 1915: J. M. M.
 At 8 hrs. 30 m., a.m., 1.m.t., I set off $34^{\circ} 26'$ N. on the
 lat. arc; $8^{\circ} 55\frac{1}{2}'$ S. on the decl. arc; and determine a
 meridian with the solar at the cor. of secs. 27, 28, 33
 and 34.
 Thence I run
 N. $0^{\circ} 2'$ W., bet. secs. 27 and 28.
 Over rolling hills, through scattering undergrowth.
 Desc. NE. slope, 40 ft. to

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Subdivision of T. 13 N., R. 17 W.

Chains

10.00 Enter wash, course SE.
 15.20 Leave wash, course SE. Asc. S. slope, 205 ft. to
 32.50 Spur, brs. SE. Desc. NE. slope, 145 ft.
 36.00 A small mesa, which extends about 8 chs. E. and W. and 6
 chs. N. and S., brs. W. about 10 chs. dist.
 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;
 $\frac{1}{4}$ S28 in W. and
 S27 in E. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Pits impracticable.
 46.50 Wash, 20 lks. wide, course SE. Asc. S. slope, 65 ft. to
 55.20 Spur, brs. SE. Desc. NE. slope, 65 ft. to
 73.00 Wash, 20 lks. wide, course SE.
 80.00 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;
 T13N R17W in N. half;
 S21 in NW.,
 S22 in NE.,
 S27 in SE. and
 S28 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Pits impracticable.
 Land, mountainous and rolling.
 Soil, sandy, decomposed granite and lava rock; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

40.00 N. $89^{\circ} 58'$ E., on a random line, bet. secs. 22 and 27.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
 22, 23, 26 and 27.
 Thence I run
 S. $89^{\circ} 57'$ W. on a true line, bet. secs. 22 and 27.
 Over rolling land, through scattering undergrowth. Asc. to
 2.94 Spur, brs. SE. Desc. to
 6.94 Wash, 15 lks. wide, course SE. Asc. NE. slope, 30 ft. to
 24.94 Spur, brs. SE. Desc. slight SW. slope to
 30.94 Wash, 50 lks. wide, course SE. Asc. SE. slope, 40 ft.
 39.97 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;
 $\frac{1}{4}$ S22 in N. and
 S27 in S. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Pits impracticable.
 42.44 Spur, brs. S. Desc. SW. slope, 35 ft.
 49.94 Small mesa, which extends about 4 chs. E. and W. and 3 chs.
 N. and S., brs. N. about 15 chs. dist.
 54.74 Wash, course SE. Asc. SE. slope, 45 ft.
 67.94 A small mesa, which extends about 6 chs. E. and W. and 8
 chs. N. and S., brs. N. about 12 chs. dist.
 71.94 Spur, brs. S. Desc. SW. slope, 60 ft. to
 79.44 Wash, 20 lks. wide, course S.
 79.94 The cor. of secs. 21, 22, 27 and 28,
 Land, rolling.
 Soil, sandy, decomposed granite and lava rock, 3rd and
 4th rate.
 No timber.
 Undergrowth, palo verde, ocatilla and cacti.
 Feb 26, 1915: At this cor., I set off $8^{\circ} 52\frac{1}{2}'$ S. on the
 decl. arc; and at apparent noon, I observe the sun on
 the meridian; the resulting lat. is $34^{\circ} 27'$ N.
 Feb. 26, 1915.

Subdivision of T. 13 N., R. 17 W. 13.

Chains.

Feb. 27, 1915: At 8 hrs. 0 m. a.m., l.m.t., I set off 34° 27' N. on the lat. arc; 8° 33' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 21, 22, 27 and 28.

Thence I run
N.0° 2' W., bet. secs. 21 and 22.

Along bottom of wash, course S., through scattering undergrowth.

4.00 Leave wash, comes from NE. Thence along broken E. slope.
25.00 Wash, 20 lks. wide, course SE. Asc. S. slope, 100 ft. to
38.00 Ridge, brs. NW. and SE. Desc. NE. slope, 50 ft.
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;
 $\frac{1}{4}$ S21 in W. and
S22 in E. half;
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

46.00 Wash, 20 lks. wide, course SE. Asc. S. slope, 90 ft. to
52.00 Top of knoll. Desc. N. slope, 75 ft. to
59.00 Wash, 20 lks. wide, course SE. Asc. broken SE. slope, 130 ft. to
80.00 Point for cor. falls on sandstone ledge. Set a granite stone, 16 X 12 X 10 ins., in a mound of stone, for cor. of secs. 15, 16, 21 and 22, marked with 3 notches on S. and E. edges; 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, sandy, decomposed granite and lava rock, sandstone formation; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

N.89° 57' E., on a random line, bet. secs. 15 and 22.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.92 Intersect N. and S. line at the cor. of secs. 14, 15, 22 and 23.

Thence I run
S.89° 57' W., on a true line, bet. secs. 15 and 22.
Over rolling land, through scattering undergrowth.

6.42 Wash, 50 lks. wide, course SE.
39.96 Set an iron post, 3 ft. long, 1 in. diam., 14 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;
 $\frac{1}{4}$ S15 in N. and
S22 in S. half;
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

Thence along broken S. slope.

44.52 Wash, 20 lks. wide, course SE. Asc. NE. slope, 55 ft. to
57.42 Saddle in spur, brs. SE. Desc. SW. slope, 10 ft. to
62.42 Wash, 20 lks. wide, course S. Asc. NE. slope, 115 ft. to
71.02 Spur, brs. SE. Desc. W. slope, 40 ft. to
74.32 Wash, 20 lks. wide, course S. Asc. SE. slope, 80 ft. to
79.92 The cor. of secs. 15, 16, 21 and 22.

Land, rolling and mountainous.
Soil, sandy, decomposed granite and lava rock, 3rd and 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

J. M. M.
Feb. 27, 1915.

Mar. 2, 1915: A. S.
At 8 hrs. 30 m., a.m., l.m.t., I set off 34° 28' N. on the lat. arc; 7° 25' S. on the decl. arc; and determine a

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	meridian with the solar at the cor. of secs. 15, 16, 21 and 22. Thence I run N.0° 2' W., bet. secs. 15 and 16. Over mountainous land, through scattering undergrowth.
13.93	Wash, 10 lks. wide, course SE. Asc. rocky SW. slope, 510 ft to
34.52	Top of rocky butte; desc. vertical cliff, 70 ft. high, brs. E. and W.
38.12	Top of vertical cliff, 100 ft. high, brs. E. and W.
40.00	Point for $\frac{1}{4}$ sec. cor. falls on conglomerate ledge, 6 X 4 X 5 ft. above ground. Mark a cross (X) at the point for $\frac{1}{4}$ sec. cor., with $\frac{1}{4}$ W. of same, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Note: Impossible to set an iron post anywhere in the vicinity. Desc. steep, rocky N. slope, 685 ft. to
66.55	Wash, 10 lks. wide, course E. Asc. SE. slope, 20 ft. to
72.00	Spur, slopes NE. Desc. N. slope, 55 ft. to
79.80	Wash, 25 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. 9, 10, 15 and 16, marked on brass cap 1915 on S. rim; T13N R17W 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, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky, 4th rate. No timber. Undergrowth, palo verde, greasewood and cacti.
40.00	N.89° 57' E., on a random line, bet. secs. 10 and 15. Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 10, 11, 14 and 15. Thence I run S.89° 55' W., on a true line, bet. secs. 10 and 15. Over mountainous land, through scattering undergrowth. Asc. NE. slope, 135 ft. to
4.88	Spur, slopes SE. Desc. SW. slope, 85 ft. to
10.38	Head of gulch, course SE. Asc. SE. slope, 45 ft. to
16.72	Spur, slopes S. Desc. SW. slope, 160 ft. to
34.98	Head of gulch, course SE. Asc. E. slope
39.99	Set a basaltic stone, 18 X 12 X 5 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.
41.88	Spur, slopes S. Desc. SW. slope, 20 ft. to
46.36	Wash, 8 lks. wide, course S. Asc. SE. slope, 50 ft. to
48.71	Rocky spur, slopes S. Desc. rocky SW. slope, 120 ft. to
63.98	Wash, 30 lks. wide, course SE. Asc. NE. slope, 90 ft. to
70.20	Spur, slopes SE. Desc. SW. slope, 100 ft. to
74.08	Enter wash, course SE. Ascend in wash to
79.00	Leave wash, comes from NW.
79.98	The cor. of secs. 9, 10, 15 and 16. Land, mountainous. Soil, rocky, 4th rate. No timber. Undergrowth, palo verde, ocatilla, greasewood and cacti. Mar. 2, 1915: At this cor., I set off 7° 22' S. on the

Chains.

decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is $34^{\circ} 28\frac{1}{2}'$ N.
Mar. 2, 1915.

Mar. 3, 1915: At 7 hrs. 54 m., a.m., l.m.t., I set off $34^{\circ} 28\frac{1}{2}'$ N. on the lat. arc; $7^{\circ} 2'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 9, 10, 15 and 16.

Thence I run

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

Over mountainous land, through scattering undergrowth.

1.00 Wash, course E. Asc. SW. slope, 495 ft.

10.00 Rim of mesa, brs. NW. and SE. Contine asc.

40.00 Set a lava stone, 15 X 10 X 6 ins., 10 ins. in the ground, 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.

55.00 Top of asc. Desc. rocky NE. slope, 210 ft. to

68.20 Wash, 24 lks. wide, course SE. Asc. SW. slope, 205 ft. to

80.00 Set a lava stone, 20 X 12 X 12 ins., 15 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked with 5 notches on S. and 3 notches on E. edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, greasewood, palo verde, ocatilla and cacti.

40.00 N. $89^{\circ} 55'$ E., on a random line, bet. secs. 3 and 10.

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

79.95 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 2, 3, 10 and 11.

Thence I run

S. $89^{\circ} 57'$ W., on a true line, bet. secs. 3 and 10.

Over mountainous land, through scattering undergrowth.

Along S. slope.

20.21 Spur, brs. S. Desc. SW. slope, 230 ft.

39.97 $\frac{1}{2}$ Set a lava stone, 16 X 8 X 8 ins., 11 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.

49.72 Wash, 25 lks. wide, in bottom of canyon, course SE. Asc. NE. slope, 255 ft. to

59.95 Rim of canyon, brs. NW. and SE. Thence over level land.

65.00 Desc. rocky SW. slope, 45 ft. to

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

Land, mountainous.

Soil, rocky 4th rate.

No timber.

Undergrowth, palo verde, ocatilla and cacti.

A. S.

Mar. 3, 1915.

Mar. 4, 1915.

J. M. M.

At 9 hrs. a.m., l.m.t., I set off $34^{\circ} 29\frac{1}{2}'$ N. on the lat. arc; $6^{\circ} 38\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 9 and 10.

Thence I run

N. $0^{\circ} 2'$ W., on a random line, bet. secs. 3 and 4.

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Subdivision of T. 13 N., R. 17 W.

Chains	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.85	Intersect N. bdy. of Tp., 14 lks. E. of the cor. of secs. 3, 4, 33 and 34, which is a stone, established by me, as described in Book "A".
	Thence I run
	S. $0^{\circ} 8'$ E., on a true line, bet. secs. 3 and 4.
	Over mountainous land, through scattering undergrowth.
	Asc. NE. slope, 270 ft. to
16.35	Ridge, brs. NW. and SE. Desc. SW. slope, 250 ft.
39.85	Set a granite stone, 18 X 10 X 6 ins., 12 ins. in the ground, 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.
40.00	Ravine, course SE. Asc. NE. slope, 220 ft. to
57.35	Ridge, brs. NW. and SE. Desc. broken SW. slope, 190 ft. to
79.85	The cor. of secs. 3, 4, 9 and 10.
	Land, mountainous.
	Soil, shallow; rocky limestone and lava rocks; 4th rate.
	No timber.
	Undergrowth, palo verde, greasewood, and cacti.
	Mar., 4, 1915.
	Feb. 24, 1915: At 9 hrs. 54 m., a.m., l.m.t., I set off $34^{\circ} 25'$ N. on the lat. arc; $9^{\circ} 39'$ S. on the decl. arc; and determine a meridian with the solar at the std. cor. of secs. 32 and 33 on the S. bdy. of the Tp., which is a stone, established by me, as described in Book "A".
	Thence I run
	N. $0^{\circ} 2'$ W., bet. secs. 32 and 33.
	Over rolling land, through scattering undergrowth.
	Asc. broken SW. slope, 245 ft. to
34.50	Rim of canyon, brs. NW. and SE. Thence across top of mesa.
40.00	Set a lava stone, 18 X 12 X 10 ins., 12 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.
78.00	Rim of canyon, brs. NW. and SE. Desc. N. slope, along small gulch, 50 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, on solid rock, supported by a mound of stone, for cor. of secs. 28, 29, 32 and 33, marked on brass cap
	1915 on S. rim;
	T13N R17W in N. half;
	S29 in NW.,
	S28 in NE.,
	S33 in SE. and
	S32 in SW. quadrant;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, rolling and mountainous.
	Soil, sandy, decomposed granite, limestone and loose rock;
	4th rate.
	No timber.
	Undergrowth, greasewood, palo verde and cacti.
	East, on a random line, bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. and S. line, 14 lks. N. of the cor. of secs. 27, 28, 33 and 34.
	Thence I run
	N. $89^{\circ} 54'$ W., on a true line, bet. secs. 28 and 33.

Subdivision of T. 13 N., R. 17 W. 17.

Chains.

Over broken land, through scattering undergrowth.
 Asc. broken NE. slope, 195 ft. to
 24.46 Rim of mesa, brs. NW. and SE. Thence across top of mesa.
 31.96 Rim of mesa, brs. S. Thence along broken rim.
 39.98 Set a lava stone, 16 X 10 X 6 ins., 8 ins. in the ground,
 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.
 53.16 Rim of canyon, brs. NW. and SE. Desc. SW. slope, 200 ft. to
 61.46 Wash, 30 lks. wide, course SE. Asc. broken NE. slope, 185
 ft. to
 79.96 The cor. of secs. 28, 29, 32 and 33.
 Land, broken.
 Soil, sand, decomposed granite, limestone and lava rock;
 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.
 Feb. 24, 1915: At this cor., I set off $9^{\circ} 37'$ S. on the
 decl. arc; and at apparent noon, I observe the sun on
 the meridian; the resulting lat. is $34^{\circ} 26'$ N.
 Feb. 24, 1915.

Feb. 25, 1915.
 N. $0^{\circ} 2'$ W., bet. secs. 28 and 29.
 Over broken land, through scattering undergrowth.
 Desc. N. slope, along small gulch, 115 ft. to
 16.50 Wash, 40 lks. wide, course SE. Asc. SW. slope, 195 ft. to
 28.20 Rim of canyon, brs. NW. and SE. Thence across top of
 mesa.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{2}$ S29 in W. and
 S28 in E. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Pits impracticable.
 Feb. 25, 1915: At this cor., I set off $9^{\circ} 15'$ S. on the
 decl. arc; and at apparent noon, I observe the sun on
 the meridian; the resulting lat. is $34^{\circ} 26\frac{1}{2}'$ N.
 60.50 Rim of canyon, brs. NW. and SE. Desc. NE. slope, 160 ft.
 to
 72.50 Enter wash, course SE.
 80.00 Point for sec. cor. falls in wash, course SE.
 81.20 Leave wash, course SE.
 81.50 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for witness cor. to cor. of secs. 20, 21, 28
 and 29, marked on brass cap
 1915 on S. rim;
 WC N. of center;
 T13N R17W in N. half;
 S20 in NW.,
 S21 in NE.,
 S28 in SE, and
 S29 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 S. of cor. Pits impracticable.
 Land, broken mesas and canyons.
 Soil, sandy, limestone and lava rock; 4th rate.
 No timber.
 Undergrowth, scattering mesquite, greasewood and cacti.

From the true point for cor. of secs. 20, 21, 28 and 29,
 I run
 S. $89^{\circ} 54'$ E., on a random line, bet. secs. 21 and 28.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect N. and S. line, 14 lks. S. of the cor. of secs.
 21, 22, 27 and 28.

18

Subdivision of T. 13 N., R. 17 W.

Chains.

Thence I run
 West on a true line, bet. secs. 21 and 28.
 Along broken S. slope, through scattering undergrowth.
 17.94 A small mesa about 8 chs. N. and S. and 6 chs. E. and W.
 brs. N. about 6 chs. dist.
 21.74 Wash, 50 lks. wide, course SE. Asc. NE. slope, 250 ft.
 37.94 End of spur, brs. E. Asc. along spur.
 39.97 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S21 in N. and
 S28 in S. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Pits impracticable.
 44.94 End of spur; thence across mesa.
 47.94 Rim of small mesa, brs. N. and S. Extends 10 chs. N. and
 5 chs. S. Desc. W. slope, 210 ft. to
 61.14 Wash, 50 lks. wide, course SE. Asc. NE. slope, 205 ft. to
 73.19 Rocky spur, brs. SE. Desc. SW. slope, 210 ft. to
 79.44 Enter wash, course SE.
 79.94 The true point for cor. of secs. 20, 21, 28 and 29.
 Land, mountainous and rolling hills.
 Soil, sandy, decomposed granite and lava rock; 4th rate.
 No timber.
 Undergrowth, greasewood, mesquite and cacti.
 Feb. 25, 1915.

Mar. 1, 1915: At 9 hrs. 30 m., a.m., l.m.t., I set off
 $34^{\circ} 27' N.$ on the lat. arc; $7^{\circ} 47' S.$ on the decl. arc;
 and determine a méridian with the solar at the witness
 cor. to cor. of secs. 20, 21, 28 and 29.
 Thence I run, measuring from corner point
 $N.0^{\circ} 2' W.$, bet. secs. 20 and 21.
 Over mountainous land, through scattering undergrowth.
 Asc. SW. slope, 205 ft. to
 10.21 Rim of mesa, brs. NW. and SE. Thence over top of mesa.
 20.40 Rim of mesa, brs. NW. and SE. Desc. NE. slope, 135 ft. to
 26.90 Wash, 25 lks. wide, course SE. Asc. SW. slope, 130 ft. to
 34.80 Spur, brs. SW. Desc. NW. slope, 60 ft.
 40.00 Impracticable to set iron post at this point. Set a gran-
 ite stone, 18 X 10 X 8 ins., 10 ins. in the ground, on
 solid rock, in a mound of stone, 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.
 47.50 Wash, 20 lks. wide, course SW. Asc. broken SE. slope, 300
 ft. to
 71.50 Spur, brs. SW. Desc. NW. slope.
 75.20 Head of ravine, course SW. Asc. S. slope, 130 ft. to
 80.00 Impracticable to set iron post at this point. Set a gran-
 ite stone, 20 X 10 X 8 ins., 15 ins. in the ground, for
 cor. of secs. 16, 17, 20 and 21, marked with 3 notches
 on S. and 4 notches on E. edge; and raise a mound of
 stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits imprac-
 ticable.
 Land, mountainous.
 Soil, decomposed granite, lava and sandstone, 4th rate.
 No timber.
 Undergrowth, greasewood, mesquite and cacti.

40.00 East, on a random line, bet. secs. 16 and 21.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line, 9 lks. N. of cor. of secs.
 15, 16, 21 and 22.
 Thence I run

Chains

N.89° 56' W., on a true line, bet. secs. 16 and 21.
 Over mountainous land, through scattering undergrowth.
 Asc. SE. slope, 355 ft. to
 13.80 Rocky spur, brs. S. Desc. SW. slope, 45 ft. to
 16.40 Ravine, course SE. Asc. SE. slope, 145 ft. to
 22.30 Spur, brs. S. Desc. SW. slope, 225 ft. to
 30.80 Ravine, course SE. Asc. SE. slope, 280 ft.
 40.00 **Impracticable to set** iron post at this point. Set a granite stone, 18 X 12 X 14 ins., on solid rock, supported by 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.
 43.80 Ridge, brs. NE. and SW. Thence along N. slope.
 55.60 Same ridge, brs. NW. and SE. Desc. broken SW. slope, 130 ft. to
 65.00 Head of ravine, course SW. Asc. SE. slope, 80 ft. to
 69.00 Spur, brs. SW. Desc. Broken SW. slope, 55 ft. to
 80.00 The cor. of secs. 16, 17, 20 and 21.
 Land, mountainous.
 Soil, rocky, sandstone, granite and lava rock; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.
 Mar. 1, 1915: At this cor., I set off 7° 45' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 28' N.
 Mar. 1, 1915.

Mar. 2, 1915: At 8 hrs. 28 m., a.m., l.m.t., I set off 34° 28' N. on the lat. arc; 7° 25' S. 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° 2' W., bet. secs. 16 and 17.
 Over mountainous land, through scattering undergrowth.
 Asc. S. slope, 110 ft. to
 7.40 Mainridge, brs. NW. and SE. Desc. broken NE. slope, 185 ft. to
 14.00 Head of ravine, course NE. Asc. SE. slope, 55 ft. to
 15.90 Point of rocky spur, brs. E. Desc. broken NE. slope, 415 ft. to
 37.90 Wash, 30 lks. wide, course SW. Asc. broken SE. slope, 155 ft.
 40.00 **Impracticable to set** iron post at this point. Set a granite stone, 16 X 12 X 10 ins., on a sandstone ledge,, supported by a mound of stone, 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.
 48.50 Ridge, brs. E. and W. Desc. broken NW. slope, 100 ft.
 50.90 Butte brs. E. about 20 chs. dist. Thence over rolling hills.
 80.00 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
 1915 on S. rim;
 T13N R17W in N. 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, mountainous and rolling hills.
 Soil, rocky 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

20.

Subdivision of T. 13 N., R. 17 W.

20.

Chains

S. $89^{\circ} 56'$ E., on a random line, bet. secs. 9 and 16.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
 9, 10, 15 and 16.
 Thence I run
 N. $89^{\circ} 57'$ W., on a true line, bet. secs. 9 and 16.
 Over rolling hills, through scattering undergrowth.
 4.78 Wash, course NE.
 29.98 Same wash, 50 lks. wide, course SE.
 39.99 Impracticable to set iron post at this point. Set a gran-
 ite stone, 18 X 12 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.
 54.18 Wash, 20 lks. wide, course N.
 79.98 The cor. of secs. 8, 9, 16 and 17.
 Land, rolling.
 Soil, sandy, decomposed granite, sandstone and lava rocks;
 3rd and 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.
 Mar. 2, 1915: At this cor., I set off $7^{\circ} 22'$ S. on the
 decl. arc; and observe the sun on the meridian; the
 resulting lat. is $34^{\circ} 28\frac{1}{2}'$ N.
 Mar. 2, 1915.

Mar. 3, 1915: At 8 hrs. 30 m., a.m., l.m.t., I set off
 $34^{\circ} 28\frac{1}{2}'$ N. on the lat. arc; $7^{\circ} 2'$ S. on the decl. arc;
 and determine a meridian with the solar at the cor. of
 secs. 8, 9, 16 and 17.
 Thence I run
 N. $0^{\circ} 2'$ W., bet. secs. 8 and 9.
 Over rolling hills, through scattering undergrowth.
 5.00 Wash, 15 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;
 $\frac{1}{4}$ S8 in W. and
 S9 in E. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Pits impracticable.
 45.00 Enter mountainous land, brs. NW. and SE. Asc. S. slope,
 405 ft. to
 56.80 Broken rim of mesa, brs. NW. and SE. Thence across top of
 mesa.
 72.00 Small ravine, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the
 ground, for cor. of secs. 4, 5, 8 and 9, marked on
 brass cap
 1915 on S. rim;
 T13N R17W in N. half;
 S5 in NW.,
 S4 in NE.,
 S9 in SE, and
 S8 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Pits impracticable.
 Land, rolling and hilly.
 Soil, sandy, decomposed granite, limestone and lava rock;
 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

40.00 S. $89^{\circ} 57'$ E., on a random line, bet. secs. 4 and 9.
 Set temp. $\frac{1}{4}$ sec. cor.

Chains

79.94 Intersect N., and S. line, 2 lks. S. of the cor. of secs. 3, 4, 9 and 10.
 Thence I run
 N.89° 58' W., on a true line, bet. secs. 4 and 9.
 Over mountainous land, through scattering undergrowth.
 Desc. SW. slope, 70 ft. to
 11.14 Ravine, course SE. Asc. E. slope, 235 ft. to
 23.14 Spur, brs. SE. Desc. SW. slope, 155 ft. to
 31.74 Ravine, course SE. Asc. E. slope, 280 ft. to
 37.94 Rim of mesa, brs. NW. and SE. Desc. SW. slope, 215 ft.
 39.97 Impracticable to set iron post at this point. Set a granite stone, 16 X 14 X 8 ins., 8 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.
 69.34 Head of small ravine, course SW. Thence along broken S. slope.
 79.94 The cor. of secs. 4, 5, 8 and 9.
 Land, mountainous.
 Soil, rocky limestone, granite and lava rock; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.
 Mar. 3, 1915: At this cor., I set off 6° 59 $\frac{1}{2}$ ' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 29 $\frac{1}{2}$ ' N.

40.00 N.0° 2' W., on a random line, bet. secs. 4 and 5.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.99 Intersect N. bdy. of Tp., 23 lks. E. of the cor. of secs. 4, 5, 32 and 33, which is an iron post, established by A. S., as described in Book "A".
 Thence I run
 S.0° 12' E., on a true line, bet. secs. 4 and 5.
 Over mountainous land, through scattering undergrowth.
 Asc. NE. slope, 20 ft. to
 2.49 Ridge, brs. NW. and SE. Desc. broken SW. slope, 140 ft. to
 30.19 Ravine, course SE.
 39.99 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;
 $\frac{1}{4}$ S5 in W. and
 S4 in E. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 43.29 Rim of mesa, brs. NW. and SE. Thence across mesa.
 68.49 Head of small ravine, course SW.
 79.19 Small ravine, course SW.
 79.99 The cor. of secs. 4, 5, 8 and 9.
 Land, mountainous.
 Soil, decomposed limestone, granite and lava rock; 3rd and 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.
 Mar. 3, 1915.
 J. M. M.

A. S.
 Feb. 26, 1915: At 7 hrs. 54 m., a.m., l.m.t., I set off 34° 25' N. on the lat. arc; 8° 55 $\frac{1}{2}$ ' S. on the decl. arc; and determine a meridian with the solar at the true point for std. cor. of secs. 31 and 32, on the S. bdy. of the Tp., described in Book "A".
 Thence I run
 N.0° 3' W., bet. secs. 31 and 32.
 Over mountainous land, through scattering undergrowth.
 1.93 Wash, 10 lks. wide, course NE.

22. Subdivision of T. 13 N., R. 17 W.

Chains.	
9.96	Wash, 30 lks. wide, course E.
12.22	Wash, 35 lks. wide, course SE. Asc. to
17.93	Low hill, brs. E. Desc.
40.00	Impracticable to set iron post at this point. Set a granite stone, 12 X 10 X 10 ins., 8 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
44.96	Wash, 25 lks. wide, course SE. Asc. S. slope, 35 ft. to
53.44	Low hill, brs. E. Desc. N. slope, 65 ft. to
74.26	Mohave Wash, 1 ch., wide, course SE. Asc. S. slope 60 ft. to
80.00	Impracticable to set iron post at this point. Set a lava stone, 16 X 12 X 5 ins., 11 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked with 1 notch on S. and 5 notches on E. edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, rolling.
	Soil, rocky 4th rate.
	No timber.
	Undergrowth, greasewood, palo verde and cacti.
	A. S. Feb. 26, 1915.
	Feb. 25, 1915. J. M. M.
	At 9 hrs. 30 m., a.m., l.m.t., I set off $34^{\circ} 26'$ N. on the lat. arc; $9^{\circ} 17\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 29, 30, 31 and 32.
	Thence I run
	East on a random line, bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line, 2 lks. N. of the cor. of secs. 28, 29, 32 and 33.
	Thence I run
	N. $89^{\circ} 59'$ W., on a true line, bet. secs. 29 and 32.
	Over rolling land, through scattering undergrowth.
	Asc. NE. slope, 45 ft. to
2.50	Rim of canyon, brs. NW. and SE. Thence across top of mesa.
33.50	Rim of canyon, brs. NW. and SE. Desc. SW. slope, 170 ft.
40.02	Impracticable to set iron post at this point. Set a lava stone, 18 X 12 X 10 ins., 16 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.
41.50	Wash, 30 lks. wide, course SE. Asc. E. slope, 130 ft. to
52.00	Spur, brs. S. Desc. SW. slope, 30 ft. to
54.80	Head of ravine, course S. Asc. SE. slope, 20 ft. to
55.80	Spur, brs. S. Desc. SW. slope, 45 ft. to
59.70	Head of ravine, course S. Asc. SE. slope, 20 ft. to
61.60	Spur, brs. S. Desc. broken SW. slope, 90 ft. to
72.00	Wash, 30 lks. wide, course S. Thence along S. slope.
80.04	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling.
	Soil, rocky 4th rate.
	No timber.
	Undergrowth, greasewood, palo verde and cacti.
	J. M. M. Feb. 25, 1915.

Subdivision of T. 13 N., R. 17 W.

Chains

Feb. 26, 1915: A. S.
West on a random line, bet. secs. 30 and 31.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.95 Intersect W. bdy. of Tp., 23 lks. N. 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
N.89° 50' E., on a true line, bet. secs. 30 and 31.
Over mountainous land, through scattering undergrowth.
Desc. SE. slope, 235 ft. to
15.43 Wash, 20 lks. wide, course NE. Asc. NW. slope, 120 ft. to
23.20 Spur, slopes NE. Desc. SE. slope, 145 ft. to
38.14 Wash, 10 lks. wide, course NE. Asc. NW. slope, 65 ft.
39.95 **Impracticable to set** iron post at this point. Set a basaltic stone, 16 X 12 X 6 ins., 11 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.
40.45 Spur, slopes N. Desc. NE. slope, 115 ft. to
54.54 Spur, slopes NE. Desc. SE. slope, 125 ft. to
60.69 Wash, 12 lks. wide, course SE. Asc. SW. slope, 60 ft. to
66.11 Spur, slopes S. Desc. SE. slope, 85 ft. to
73.33 ~~Mohave Wash, 1 ch. wide, course SE., asc. SW. slope 45 ft. to~~
79.95 The cor. of secs. 29, 30, 31 and 32.
Land, mountainous.
Soil, 3rd rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

N.0° 3' W., bet. secs. 29 and 30.
Over rolling land, through scattering undergrowth.
Asc. S. slope, 130 ft. to
13.28 Spur, slopes SE. Desc. NE. slope, 65 ft. to
16.00 Wash, 8 lks. wide, course SE. Asc. SW. slope, 75 ft. to
24.63 Top of rim, brs. NW. and SE. Thence across mesa.
40.00 **Impracticable to set** iron post at this point. Set a granite stone, 20 X 10 X 10 ins. 15 ins. in the ground, 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.
51.50 Top of rim, brs. NW. and SE. Desc. NE. slope, 85 ft. to
55.00 Gulch, 12 lks. wide, course SE. Asc. SW. slope, 65 ft. to
57.83 Top of rim, brs. NW. and SE. Thence across mesa.
80.00 **Impracticable to set** iron post at this point. Set a basaltic stone, 18 X 10 X 8 ins., 12 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked with 2 notches on S. and 5 notches on E. edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
Land, rolling.
Soil, rocky 4th rate.
No timber.
Undergrowth, greasewood, palo verde, ocatilla and cacti.
A. S.
Feb. 26, 1915.

Feb. 25, 1915. J. M. M.
S.89° 59' E., on a random line, bet. secs. 20 and 29.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.95 Intersect N. and S. line, 152 lks. S. of the witness cor. to cor. of secs. 20, 21, 28 and 29, which is an iron post, established by me, 150 lks. N. of the true point for cor. of secs. 20, 21, 28 and 29.
Thence I run
West on a true line, from the true point for cor., bet. secs. 20 and 29.
Over rolling land, through scattering undergrowth.
Along bottom of wash, course SE.

24.

Subdivision of T. 13 N., R. 17 W.

Chains	
4.00	Leave wash, course SE. Asc. NE. slope, 195 ft. to
14.00	Rim of canyon, brs. NW. and SE. Thence across mesa.
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; $\frac{1}{4}$ S20 in N. and $\frac{1}{4}$ S29 in S. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
40.20	Wash, 20 lks. wide, course SE.
79.95	The cor. of secs. 19, 20, 29 and 30. Land, rolling. Soil, sandy, decomposed granite, sandstone and lava rock; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti. J. M. M. Feb. 25, 1915.
	Feb. 26, 1915: A. S. S.89° 50' W., on a random line, bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.86	Intersect W. bdy. of Tp., 62 lks. S. of the witness cor. to cor. of secs. 19, 24, 25 and 30, which is an iron post, established by me, as described in Book "A", 60 lks. N. of the true point for cor. of secs. 19, 24, 25 and 30. Thence I run N.89° 51' E., on a true line, from the true point for cor., bet. secs. 19 and 30. Over rolling land, through scattering undergrowth.
16.26	Enter Mohave Wash; course SE.
19.29	Leave Mohave Wash. About 10 chs. N. of this point is located "Mohave Springs". Asc. SW. slope, 120 ft. to
24.90	Top of rim, brs. NW. and SE. Thence across mesa.
36.62	Top of rim, brs. N. and S. Desc. E. slope, 50 ft. to
39.91	Gulch, 12 lks. wide at bottom, course SE. Point for $\frac{1}{4}$ sec. cor. falls in this gulch, where it would be destroyed. Asc. rocky NW. slope, 70 ft.
40.36	Set a basaltic stone, 16 X 12 X 12 ins., 11 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked WC $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
44.86	Rocky spur, Desc. SE. slope to
48.21	Gulch, 12 lks. wide at bottom, course SW. Asc. NW. slope 60 ft. to
50.86	Top of rim, brs. NE. and SW. Thence over mesa.
79.86	The cor. of secs. 19, 20, 29 and 30. Land, rolling. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti.
	N.0° 3' W., bet. secs. 19 and 20. Over rocky mesa, through dense undergrowth.
40.00	Impracticable to set iron post at this point. Set a basaltic stone, 15 X 8 X 5 ins., 10 ins. in the ground, 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.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 18 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

Subdivision of T. 13 N., R. 17 W.

Chains.

1915 on S. rim;
 T13N 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, 1½ ft. high,
 W. of cor. Pits impracticable.
 Land, level and rolling.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocatilla and cacti.
 A. S.
 Mar. 26, 1915.

Mar. 1, 1915. J. M. M.
 East, on a random line, bet. secs. 17 and 20.
 40.00 Set temp. ¼ sec. cor.
 79.73 Intersect N. and S. line, 16 lks. S. of the cor. of secs.
 16, 17, 20 and 21.
 Thence I run
 S.89° 53' W., on a true line, bet. secs. 17 and 20.
 Over mountainous land, through scattering undergrowth.
 Desc. SW. slope, 130 ft.
 2.00 Spur, brs. SW. Continue desc. to
 6.80 Ravine, course SW. Thence along broken S. slope.
 17.80 Spur, brs. SW. Desc. SW. slope, 430 ft.
 34.80 Rim of canyon, brs. N. and S. Continue desc.
 39.86½ **Impracticable to set** iron post at this point. Set a lava
 stone, 16 X 10 X 8 ins., 12 ins. in the ground, for ¼
 sec. cor., marked ¼ on N. face; and raise a mound of
 stone, 2 ft. base, 1½ ft. high, N. of cor. Pits imprac-
 ticable.
 43.00 Wash, 150 lks. wide, course S. Asc. SE. slope, 130 ft.
 55.00 Ravine, course SE. Asc. NE. slope to
 61.80 Rim of mesa, brs. NW. and SE. Thence over top of mesa.
 79.73 The cor. of secs. 17, 18, 19 and 20.
 Land, rolling and mountainous.
 Soil, rocky, sandstone and lava formation; 4th rate.
 No timber.
 Undergrowth, greasewood, ocatilla, palo verde and cacti.
 J. M. M.
 Mar. 1, 1915.

Feb. 27, 1915: A. S.
 At 8 hrs. 2 m., a.m., l.m.t., I set off 34° 28' N. on the
 lat. arc; 8° 33' S. on the decl. arc; and determine a
 meridian with the solar at the cor. of secs. 17, 18,
 19 and 20.
 Thence I run
 S.89° 51' W., on a random line, bet. secs. 18 and 19.
 40.00 Set temp. ¼ sec. cor.
 79.80 Intersect W. bdy. of Tp., 7 lks. W. of the cor. of secs.
 13, 18, 19 and 24, which is a stone, established by
 me as described in Book "A".
 Thence I run
 N.89° 48' E., on a true line, bet. secs. 18 and 19.
 Over level mesa, through scattering undergrowth.
 29.82 Wash, 12 lks. wide, course S.
 39.80 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 W. half;
 S18 in N. and
 S19 in S. half;

Chains.	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
41.10	Head of Mohave Wash, course SW.
79.80	The cor. of secs. 17, 18, 19 and 20. Land, level. Soil, 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti.
40.00	N. $0^{\circ} 3'$ W., bet. secs. 17 and 18. Over level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ in N., S18 in W. and S17 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
51.00	Top of rim, brs. NW. and SE. Desc. rocky NE. slope, 75 ft. to
71.35	Wash, 75 lks. wide, course SE. Thence across level land.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked on brass cap 1915 on S. rim; T13N R17W in N. half; S7 in NW., S8 in NE., S17 in SE. and S18 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, level. Soil, 3rd rate. No timber. Undergrowth, palo verde, greasewood, ocatilla and cacti. A. S. Feb. 27, 1915.
40.00	Mar. 2 1915. J. M. M. N. $89^{\circ} 53'$ E., on a random line, bet. secs. 8 and 17. Set temp. $\frac{1}{4}$ sec. cor.
79.85	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 8, 9, 16 and 17. Thence I run S. $89^{\circ} 56'$ W. on a true line, bet. secs. 8 and 17. Over rolling hills, through scattering undergrowth.
2.20	Wash, 15 lks. wide, course NE. Asc.
9.00	Small knoll brs. S. about 10 chs. dist.
11.00	Spur, brs. NE. Desc. NW. slope, 45 ft. to
19.50	Enter wash, course S.
37.20	Leave wash, course S. Asc. E. slope, 115 ft.
39.92 $\frac{1}{2}$	Point for cor. falls on face of cliff. I return to
39.12	Set a granite stone, 18 X 12 X 10 ins., 6 ins. in the ground, on solid rock, supported by a mound of stone, for witness cor. to $\frac{1}{4}$ sec. cor., marked WC $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable;
41.50	Top of cliff, brs. N. and S. Desc. broken SW. slope, 120 ft. to
57.50	Wash, 20 lks. wide, course SE. Asc. NE. slope, 25 ft. to
74.00	Spur, brs. SE. Desc. W. slope, 35 ft. to

Chains.
79.85

The cor. of secs. 7, 8, 17 and 18.
Land, rolling hills.
Soil, sandy, decomposed granite, sandstone and lava rock;
4th rate.
No timber.
Undergrowth, greasewood, palo verde, ocatilla and cacti.
J. M. M.
Mar. 2, 1915.

Feb. 27, 1915: A. S.
S.89° 48' W., on a random line, bet. secs. 7 and 18.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.75 Intersect W. bdy. of Tp., 2 lks. S. 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
N.89° 49' E., on a true line, bet. secs. 7 and 18.
Over level land, through scattering undergrowth.
7.45 Wash, 8 lks. wide, course SE.
27.55 Wash, 20 lks. wide, course SE.
39.75 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
S7 in N.,
S18 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. P its impracticable.
44.75 Wash, 25 lks. wide, course SE.
57.45 Wash, 60 lks. wide, course SE.
79.75 The cor. of secs. 7, 8, 17 and 18.
Land, level.
Soil, 3rd rate.
No timber.
Undergrowth, greasewood, palo verde, ocatilla and cacti.
Feb. 27, 1915: At this cor., I set off 8° 30 $\frac{1}{2}$ ' S. on the
decl. arc; and at apparent noon, I observe the sun on
the meridian; the resulting lat. is 34° 28 $\frac{1}{2}$ ' N.

N.0° 3' W., bet. secs. 7 and 8.
Over level land, through scattering undergrowth.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ in N.,
S8 in E. and
S7 in W. half;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. P its impracticable.
43.80 Wash, 10 lks. wide, course E.
48.00 Wash, 50 lks. wide, course SE.
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;
T13N R17W in N. half;
S6 in NW.,
S5 in NE.,
S8 in SE. and
S7 in SW. quadrant;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. P its impracticable.
Land, level.
Soil, 3rd rate.
No timber.

Chains.	Undergrowth, greasewood, palo verde, ocatilla and cacti. A. S. Feb. 27, 1915.
40.00	Mar. 3, 1915. J. M. M. N.89° 56' E., on a random line, bet. secs. 5 and 8.
79.84	Settemp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 9 lks. N. of the cor. of secs. 4, 5, 8 and 9. Thence I run West on a true line, bet. secs. 5 and 8. Over mountainous land, through scattering undergrowth. Along broken SW. slope. .50 Small ravine, course SW. 18.50 Head of small ravine, course SW. 34.90 Rim of mesa, brs. NW. and SE. Desc. W. slope, 130 ft. 39.92 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; $\frac{1}{4}$ S5 in N. and S8 in S. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
50.00	Leave mountainous land, brs. NW. and SE. Thence over rolling hills.
66.20	Wash, 10 lks. wide, course SE.
79.84	The cor. of secs. 5, 6, 7 and 8. Land, rolling and mountainous. Soil, sandy, decomposed granite, limestone and lava rock; 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti. J. M. M. Mar. 3, 1915.
40.00	Feb. 27, 1915: A. S. S.89° 49' W., on a random line, bet. secs. 6 and 7. Set temp. $\frac{1}{4}$ sec. cor.
79.60	Intersect W. bdy. of Tp., at the cor. of secs. 1, 6, 7 and 12, which is a stone, established by me, as described in Book "A". Thence I run N.89° 49' E., on a random line, bet. secs. 6 and 7. Over rolling land, through scattering undergrowth.
8.60	Wash, 40 lks. wide, course SE.
26.10	Wash, 15 lks. wide, course SE.
34.60	Wash, 8 lks. wide, course SE.
39.60	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; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
69.60	Wash, 20 lks. wide, course SE.
79.60	The cor. of secs. 5, 6, 7 and 8. Land, rolling. Soil, 2nd and 3rd rate. No timber. Undergrowth, palo verde, ocatilla, cat claw and cacti.

Chains

N.0° 3' W., on a random line, bet. secs. 5 and 6.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.99 Intersect N. bdy. of Tp., 28 lks. E. of the cor. of sács.
 5, 6, 31 and 32, which is a stone, established by me,
 as described in Book "A".
 Thence I run
 S.0° 15' E., on a true line, bet. secs. 5 and 6.
 Over mountainous land, through scattering undergrowth.
 Asc. rocky N. slope, 165 ft. to
 11.25 Top of cliff, 50 ft. high. Desc. rocky S. slope, 380 ft. to
 26.76 Wash, 40 lks. wide, course SW. Asc. NW. slope, 50 ft.
 39.99 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ 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.
 43.16 Spur, slopes NW. Desc. SW. slope, 150 ft. to
 67.69 Wash, 40 lks. wide, course SE. Thence over level land.
 79.99 The cor. of secs. 5, 6, 7 and 8.
 Land, rolling and mountainous.
 Soil, rocky 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocatilla and cacti.
 A. S.
 Feb. 27, 1915.

GENERAL DESCRIPTION.

The land in this Tp. is very rough and mountainous; consisting principally of buttes and deep canyons. The soil is very rocky and is unsuitable for agricultural purposes.

Mohave Springs are located in sec. 19, where there is sufficient water for domestic purposes in the spring of the year. There are no settlers and few indications of mineral in this Tp.

Native stone was used for corner purposes in place of iron posts where there was little or no soil.

U. S. Surveyor.

W. S. Thompson.

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For Certificate of U.S. Surveyor and U.S. Transitman see page II of this book

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 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 13 North, Range 17 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 special instructions dated December 28, 1914 for Group 42, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank P. Roth
 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.~~