BOOK 2935



Subdivisions

FIELD NOTES

OF THE SURVEY OF THE

| | · |
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| | SUBDIVISION LINES OF |
| | |
| | TOWNSHIP 13 NORTH, RANGE 18 WEST, |
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| | |
| | 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, |
| | In the expacity of U.S. Surveyor, under instructions dated Dec. 28, , 1915 |
| 4 | |
| | 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, |
| • | |
| | Survey commenced March 8, , 1915. |
| | Survey completedMarch 16,, 1915. |

Executed under assignment Instructions dated Jan. 28,1915.

Book "C"
Group 42 Arizona
(Subdivisions)

BOCK 2935

INDEX DIAGRAM.

| | Tow | inship | | 3 N | orth, | | Rang | e | L8 Wes | t • | <u>-</u> | 1 | |
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Township Exteriors.Notes in Book "A"

Subdivision lines surveyed under this Group.

Lines surveyed under Group 48.

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chains.
             Survey commenced Mar. 8, 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 instru-
                   ments 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 instru-
                   ments on a meridian established by observation on
             Polaris at elongation, that they are in adjustment, we proceed to the subdivision of T. 13 N., R. 18 W. For tests of adjustment of Young and Sons' light mountain
                   transit No. 8483, used by J. M. McKinney, Jr., U. S. Transitman, in the survey of this township after Mar.
                   10, see below.
                                                                             A. S. and J. M. M.
             At 9 hrs. 4 m., a.m., l.m.t., I set off 34° 25' N. on the lat. arc; 5° 6' 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 J. M. M., as described in Book "A".
             Thence I run
             N.0° 1' W., bet. secs. 35 and 36.
Over mountainous land, through dense undergrowth.
             Asc. S. slope, 65 ft. to
Ridge, brs. E. and W. Thence along E. slope.
  3.05
            Saddle on divide bet. Williams and Colorado Rivers, brs.

NE. and SW. Desc. NW. slope, 45 ft. to

Head of gulch, course NE. Asc. broken SE. slope, 45 ft. to
  7.30
11.75
             Desc. NE. slope, 155 ft. to
17.75
             Same gulch, course NW. Asc. SW. slope, 50 ft. to
22.80
             Point of spur, brs. W. Desc. NW. slope, 110 ft. to Same gulch, 10 lks. wide, course NE. Asc. SE. slope, 10 ft.
25.70
31.00
             Desc. NE. slope, 35 ft. to
34.30
            Same gulch, 15 lks. wide, course NW. Thence along W. slope.

Impracticable to set iron post at this point. Set a gran-
ite stone, 16 X 12 X 8 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
39.70
40.00
                   cor. Pits impracticable.
             Same gulch, 15 lks. wide, course NE. Asc. slight SE. slope
40.50
             Point of spur, brs. E. Desc. NE. slope, 25 ft. to
Same gulch, 15 lks. wide, course NW. Asc. SW. slope, 30 ft.
42.50
43.10
             Spur, slopes NW. Desc. NE. slope, 105 ft. to
Same gulch, 15 lks. wide, course NE. Asc. SE. slope, 65 ft.
51.00
57.50
             Point of spur, brs. E. Desc. NE. slope, 60 ft. to Same gulch, 15 lks. wide, course NW. Asc. SW. slope, 50 ft.
64.85
67.20
             Spur, slopes NW. Desc. broken N. slope, 25 ft. to
74.00
             Impracticable to set iron post at this point. Set a granite
80.00
                  stone, 12 X 10 X 8 ins., 8 ins. in the ground, for corof secs. 25, 26, 35 and 36, marked with 1 notch 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, mountainous.
             Soil, rocky, 4th rate.
             No timber.
            Undergrowth, palo verde, greasewood and ocatilla.
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East on a random line, bet. secs. 25 and 36. Set temp. $\frac{1}{4}$ sec. cor.

| 2. | Subdivision of T. 13 N., R. 18 W. |
|--|--|
| Cha ins | |
| 80.12 | 25, 30, 31 and 36, which is a stone, established by me. |
| | as described in Book "A". Thence I run |
| | N.89° 48' W., on a true line, bet. secs. 25 and 36. |
| | Over mountainous land, through dense undergrowth. |
| 15.12 | Asc. broken SE. slope, 60 ft. to |
| 10.12 | Spur ridge, brs. N. and S. Desc. broken NW. slope, 60 ft. |
| 22.12 | Wash, 10 lks. wide, course N. Asc. broken SE. slope, 200 ft. to |
| 36.07 | |
| 40.06 | Impracticable to set an iron post at this point. Set a granite stone, 16 X 8 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 |
| | of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits |
| 42.92 | impracticable. Wash, 8 lks. wide, course N. Asc. E. slope, 65 ft. to |
| 46.12 | Spur, slopes N. Desc. W. slope, 60 ft. to |
| 49.52 52.72 | Wash, 8 lks. wide, course N. Asc. E. slope, 55 ft. to |
| 52.12 | Radge, divide bet. Williams and Colorado Rivers, brs. N. and S. Desc. SW. slope, 40 ft. to |
| 55.42 | Head of gulch, course N. Asc. NE. slope.30 ft. to |
| 60.12 65.27 | Spur, brs. N. Desc. NW. slope, 80 ft. to |
| 68.82 | Wash, 15 lks. wide, course NE. Asc. NE. slope, 60 ft. to Spur, slopes N. Desc. W. slope, 120 ft. to |
| 79.12 | Gulch, course NW. |
| 80.12 | The cor. of secs. 25, 26, 35 and 36. Land, mountainous. |
| | Soil, 4th rate. |
| | No timber. |
| ; ; | Undergrowth, palo verde, cacti and greasewood. Mar. 8, 1915: The sky was cloudy at noon, making an obser- |
| | vation for lat. impossible. |
| | |
| (| |
| | N.0° 1' W., bet. secs. 25 and 26. Over mountainous land, through dense undergrowth. |
| 1.00 | Gulch, 5 lks. wide, course NW. Asc. broken SW. slope,,50 |
| 3.77.40 | ft. to |
| 13.40 22.50 | Low spur, slopes W. Desc. NW. slope, 25 ft. to Wash, 5 lks. wide, course W. Asc. broken SE. slope, 65 ft. |
| | to |
| 39.90 | Ridge, divide between Williams and Colorado Rivers, brs. NW. and SE. Desc. NE. slope, 30 ft. |
| 40.00 | Impracticable to set an iron post at this point, as it is only 12 ins. to bed rock. Set a granite stone, 14 X 10 |
| | X 8 ins., 10 ins. in the ground, in \mathbb{R}^2 and \mathbb{R}^2 , for $\frac{1}{4}$ |
| The state of the s | sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of |
| | stone, 2 ft. base, $l^{\frac{1}{2}}$ ft. high, W. of cor. Pits impracticable. |
| 48.30 | Wash, 12 lks. wide, course NE. Thence over low hills, |
| 77778 | across small draws and knolls. |
| 80.00 | Impracticable to set an iron post at this point. Set a granite stone, 17 X 15 X 10 ins., 12 ins. in the ground. |
| 4.00 | on solid rock, for cor. of secs. 23, 24, 25 and 26, |
| | marked with 1 notch on E. and 2 notches on S. edge; |
| Commence of the second | andraise a mound of stone, 2 ft. base, $l^{\frac{1}{2}}$ ft. high, W. of cor. Pits impracticable, |
| | Land, rolling and mountainous. |
| | Soil, 4th rate. |
| 4 | No timber. Undergrowth, palo verde, greasewood and ocatilla. |
| 1 | Mar. 81 1915. |

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BOOK
                        Subdivision of T. 13 N., R. 18 W
Chains.
            Mar. 9, 1915: At 7 hrs. 32 m., a.m., l.m.t., I set off 34° 27' N. on the lat. arc; 4° 43' 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

S.89° 48' E., on a random line, bet. secs. 24 and 25.

Set temp. ½ sec. cor.

Intersect E. bdy. of Tp., 65 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
 40.00
 80.14
                 30.
            From the true point for cor. of secs. 19, 24, 25 and 30. I
                 run
            N.89° 50' W., on a true line, bet. secs. 24 and 25. Over rolling land, through scattering undergrowth.
            Asc. NE. slope, 90 ft. to
            Low hill, brs. N., and S.
 16.94
                                                         Desc. SW. slope, 55 ft. to
           Wash, 8 lks. wide, course N.
Set a granite stone, 16 X 10 X 8 ins., 11 ins. in the ground, for ½ sec. cor., marked ½ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
20.14
 40.07
                 Pits impracticable.
           Note: The soil is only 12 ins. deep at this cor. Wash, 15 lks. wide, course N. Wash, 12 lks. wide, course N. The cor, of secs. 23, 24, 25 and 26.
68.94
78.14
80.14
            Land, rolling.
            Soil, rocky, 4th rate.
            No timber.
            Undergrowth, palo verde, ocatilla and cacti.
            N.0° 1' W., bet. secs. 23 and 24.
            Over rolling land, through scattering undergrowth.
           Wash, 20 lks. wide, course E.
Set an iron post, 3 ft. long, 1 in.diam., 26 ins. in the ground, for 1 sec. cor., marked on brass cap

1915 on, S. rim;
25.20
40.00
                                       in N.,
                $24 in E. and $23 in W. half; and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
                W. of cor. Pits impracticable.
           Wash, 25 lks. wide, course NE.
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
48.30
80.00
                brass cap
                                     1915 on S. rim;
                                     Tl3N Rl8W 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, rocky 3rd rate.
           No timber.
           Undergrowth, palo verde, cacti, greasewood and ocatilla.
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40.00 80.14 S. 89° 50' E., on a random line, bet. secs. 13 and 24.

Set temp. ½ sec. cor.

Intersect E. bdy. of Tp., 7 lks. N. of the cor. of secs.

13, 18, 19 and 24, which is a stone, established by me, as described in Book "A".

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Subdivision of T. 13 N., R. 18 W
Chains.
          Thence I run N.89° 47' W., on a true line, bet. secs. 13 and 24. Over rolling land, through scattering undergrowth.
          Wash, 12 lks. wide, course SE. Thence across mesa. Rim, brs. N. and S. Desc. rocky W. slope, 85 ft. to Foot of desc.; brs. N. and S. Thence across flat. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
  3.13
 32.48
 36.13
 40.07
               ground, for 4 sec. or., marked on brass cap 1915 on S. rim;
                                S13 in N.,
                                S24 in S. and
                                未 in W. half;
               and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
          Wash, 30 lks. wide, course S.
 41.13
          Wash, 20 lks. wide, course S.
 54.13
          Wash, 50 lks. wide, course SE. Leave flat, brs. NW. and SE. Thence over rolling land.
The cor. of secs. 13, 14, 23 and 24.
Land, level and rolling.
68.13
80.14
          Soil, rocky, 3rd rate.
          No timber.
          Undergrowth, cacti, palo verde and ocatilla.
          N.0^{\circ} l' W., bet. secs. 13 and 14.
           Over rolling land, through scattering undergrowth.
          Wash, 50 lks. wide, course SE.
  5.50
          Enter level land, brs. NW. and SE. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 40.00
               ground, for \(\frac{1}{4}\) sec. cor., marked on brass cap 1915 on S. rim;
                                 in N.,
                                $13 in E. and
$14 in W. half;
               and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
          W. of cor. Pits impracticable.
Mar. 9, 1915: At this cor., I set off 4° 40' S. on the
               deacl. arc; and at apparent noon, I observe the sun
               on the meridian; the resulting lat. is 34^{\circ} 28\frac{1}{2}! N.
          Wash, 15 lks. wide, comes from NE.; course SE.
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
65.00
80.00
               brass cap
                                1915 on S. rim;
T13N R18W in N. half;
                                Sll in NW.,
                                S12 in NE.,
                                S13 in SE. and
                                S14 in SW. quadrant;
               and raise a mound of stone, 2 ft. base, l_{2}^{1} ft. high,
               W. of cor. Pits impracticable.
          Land, level and rolling.
          Soil, rocky, 3rd rate.
          No timber.
          Undergrowth, palo verde, greasewood and ocatilla.
          S.89° 47' E., on a random line, bet. secs. 12 and 13.
          Set temp. \frac{1}{4} sec. cor. Intersect E. bdy. of Tp., at the cor. of secs. 7, 12, 13
40.00
80.18
               and 18, which is an iron post, established by me, as described in Book "A".
          Thence I run
          N.89° 47' W., on a true line, bet. secs. 12 and 13. _{2}
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Subdivision of T. 13 N.
Chains.
            Over rolling land, through scattering undergrowth.
  1.18
           Wash, 15 lks. wide, course SE.
           Wash, 12 lks. wide, course SE.
Wash, 25 lks. wide, course SE.
Set an iron post, 3 ft. long, 1 in.diam., 26 ins. in the
 14.18
33.58
40.09
                ground, for \frac{1}{4} sec. cor., marked on brass cap 1915 on S. rim;
                                   S12 in N.,
                                   S13 in S. and
                                   in W. half;
                and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
           N. of cor. Pits impracticable.
Wash, 40 lks. wide, course S.
Leave rolling land, brs. N. and S. Thence over level land.
Wash, 15 lks. wide, course SW.
71.18
76.68
76.98
           The cor. of secs. 11, 12, 13 and 14. Land, rolling and level.
80.18
           Soil, rocky, 3rd rate.
           No timber.
           Undergrowth, cacti, palo verde and ocatilla.
                                                                           Mar. 9, 1915.
          Mar. 11, 1915: At 7 hrs. 58 m., a.m., l.m.t., I set off 34° 28\frac{1}{2}' N. on the lat. arc; 3° 56\frac{1}{2}' S. on the decl.
                arc; and determine a meridian with the solar at the
                cor. of secs. 11, 12, 13 and 14.
           Thence I run
           N.O° 1' W., bet. secs. 11 and 12.
           Over level land, through scattering undergrowth. Wash 15 lks. wide, course SE. Leave levelland, brs. NW. and SE. Thence over rolling land.
  9.00
          Wash, 10 lks. wide, course SE.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ½ sec. cor., marked on brass cap

1915 on S. rim;
33.90
40.00
                                     in N.,
                                  $12 in E. and
                                  Sll in W. half;
               and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
          W. of cor. Pits impracticable.
Low hill, brs. SE. Desc. NE. slope, 60 ft. to
Gulch, 15 lks. wide, course SE. Asc. S. slope, 70 ft. to
Low hill, brs. SE. Desc. NE. slope, 45 ft. to
43.40
47.35
57.30
          Gulch, course SE. Asc. S. slope, 65 ft. to
64.50
          Low hill, brs. SE. Desc. NE. slope, 65 ft. to Wash, 15 lks. wide, course SE. Asc. S. slope, 100 ft. to 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
67.70
73.15
80.00
               brass cap
                                  1915 on S. rim;
Tl3N R18W in N. half;
                                  S2 in NW.,
                                  Sl in NE.,
                                  S12 in SE. and
                                  S11 in SW. quadrant;
               and raise a mound of stone, 2 \text{ ft.} base, 1\frac{1}{2} \text{ ft.}high,
               W. of cor. Pits impracticable.
           Land, level and rolling.
          Soil, rocky, 3rd rate.
          No timber.
          Undergrowth, cacti, ocatilla, and greasewood.
          S.89° 47' E., on a random line, bet. secs. 1 and 12.
          Set temp. \frac{1}{4} sec. cor. Intersect E. bdy. of Tp., 9 lks. S. of the cor. of secs.
40.00
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80.13

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6.
            Subdivision of T. 13 N., R. 18 W.
Chains.
                 1, 6, 7 and 12, which is a stone, established by me, as described in Book "A".
            Thence I run
            N.89° 51' W., on a true line, bet. secs. 1 and 12.
            Over rolling land, through scattering undergrowth.
Wash, 15 lks. wide, course N. Asc. NE. slope, 65 ft. to
Low hill, brs. SE. Desc. SW. slope, 70 ft. to
Gulch, 15 lks. wide, course SE. Asc. NE. slope, 90 ft. to
 13.53
 25.73
 31.13
            Low hill, brs. SE. Desc.SW. slope, 45 ft.
 37.23
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;
                                    Sl 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.
           Gulch, 10 lks. wide, course SE. Asc. NE. slope, 70 ft. to Low hill, brs. SE. Desc. SW. slope, 25 ft. to Gulch, 10 lks. wide, course SE. Asc. NE. slope, 75 ft. to Low hill, brs. SE. Thence along S. slope. The cor. of secs. 1, 2, 11 and 12.
 40.83
 51.43
 71.73
 78.93
 80.13
            Land, rolling.
            Soil, rocky, 3rd rate.
            No timber.
            Undergrowth, palo verde, racti, ocatilla and reasewood.
            N.0° 1' W., on a random line, bet. secs. 1 and 2.
           Set temp. ½ sec cor.

Intersect N. bdy. of Tp., 6 lks. W. of the cor. of secs.

1, 2, 35 and 36, which is an iron post, established by

me, as described in Book "A".
 40.00
79.80
                       I run
            S.0° 2' W., on a true line, bet. secs. 1 and 2.
            Over rolling land, through scattering undergrowth. Asc. to
            Divide, between Williams and Colorado Rivers, brs. NW. and
12.60
            S. Thence along divide.
Leave divide, brs. N. and SE. Desc. SW. slope.
 24.80
            Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
39.80
                ground, for \frac{1}{4} sec. cor., marked on brass cap 1915 on S. rim;
                                    \frac{1}{4} in N., Sl in E. and
                S2 in W. half; and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
                W. of cor. Pits impracticable.
            Road, brs. E. and W. Asc. NE. slope to
46.50
57.40
           Divide between Williams and Colorado Rivers, brs. NE. and
                SW. Desc. to
63.80
            Head of gulch, course SE. Asc. slight NE. slope to
           Low hill, brs. SE. Desc. to
The cor. of secs. 1, 2, 11 and 12.
78.80°
79.80
           Land, rolling.
Soil, rocky, 3rd rate.
            No timber.
           Undergrowth, cacti, palo verde, ocatilla and greasewood.

Mar. 11, 1915: At this cor., I set off 3° 53' S. on the

decl. arc; and at apparent noon, I observe the sun on

the meridian; the resulting lat. is 34° 29½' N

Mar. 11, 1915.

A. S.
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Subdiviscon of T. 13 N. R. 18 W.

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Chains.
             Mar. 8, 1915. J. M. M.
             At 9 hrs. 3 m., a.m., l.m.t., I set off 34° 25' N. on the lat. arc; 5° 6' S. on the decl. arc; and determine a
                  meridian with the solar at the std. cor. of secs. 34 and 35, 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} 1' W., bet. secs. 34 and 35.
             Over mountainous land, through scattering undergrowth.
             Desc. broken NE. slope, 280 ft. to Gulch, course NE. Asc. SE. slope, 85 ft. to
 13.80
             Point of spur, brs. E. Desc. NE. slope, 180 ft. to
 18.10
           Same gulch, course NW. Asc. broken SW. slope, 110 ft. to Spur, brs. NW. Desc. N. slope, 170 ft.

(Impracticable to set iron post at this point. Set a granite stone, 18 X 7 X 6 ins., 8 ins. in the ground, in a mound of stone, for \( \frac{1}{4} \) sec. cor., marked \( \frac{1}{2} \) in W. face; and raise a mound of stone, 2 ft. base, \( 1\frac{1}{2} \) ft. high, W.
 24.70
 35.60
 40.00
             of cor. Pits impracticable.
Wash, 150 lks. wide, course SW. Asc. broken S. slope, 130
 49.50
                  ft. to
             Broken ridge, brs. NE. and SW. Desc. broken N. slope, 40
 64.50
             Wash, 20 lks. wide, course SW. Asc. SE. slope, 60 ft. to
 74.80
           Impracticable to set iron post at this point. Set a granite stone, 16 X 12 X 10 ins., 11 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked with 2 notches on E. and 1 notch on S. edge; and raise a mound of
 80.00
                  stone, 2 ft. base, l_{\overline{z}}^{1} ft. high, W. of cor. Pits impracti-
                  cable.
             Land, mountainous.
            Soil, shallow, rocky decomposed granite, limestone and lava;
                  4th rate.
            No timber.
            Undergrowth, greasewood, palo verde, ocatilla and cacti.
            East on a random line, bet. secs. 26 and 35.
            Set temp. \frac{1}{4} sec. cor.
Intersect N. and S. line at the cor. of secs. 25, 26, 35
40.00
80.02
                 and 36.
            Thence I run
           West on a true line, bet. secs. 26 and 35.

Over rolling hills, through scattering undergrowth.

Asc. NE. slope, 40 ft. to
           Spur, brs. NW, Desc. W. slope, 120 ft. to
  5.82
14.92
           Gulch, course NW. Asc. NE. slope, 35 ft. to
           Spur, brs. NW. Desc. broken W. slope, 70 ft. to Main wash, 70 lks. wide, course SW. Asc. SE. slope, 70 ft.
19.52
26.62
           Impracticable to set iron post at this point. Set a granite
40.01
                 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.
           Ridge, brs.NE. and SW. Desc. NW. slope, 25 ft. to
53.00
           Wash, course NW. Asc. NE. slope, 45 ft.
60.00
           Knoll brs. S. about 10 chs. dist.
Spur, brs. NW. Desc. SW. slope, 80 ft. to
Head of wash, course SW. Asc. SE. slope, 30 ft. to
The cor. of secs. 26, 27, 34 and 35.
60.50
66.50
76.00
80.02
           Land, rolling hills.
           Soil, shallow, rocky, decomposed granite and lava; 4th
           No timber.
           Undergrowth, greasewood, palo verde, ocatilla and cacti.
May 8, 1915: At this cor., I set off 5° 3½' S. on the decl.
arc; and at apparent noon, I observe the sun on the
                meridian; the resulting lat. is 34° 27' N.
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Subdivision of T. 13 N., R. 18 W.
Chains.
           N.0^{\circ} l' W., bet. secs. 26 and 27.
          Over rolling hills, through scattering undergrowth. Asc. SE. slope, 45 ft. to
          Spur, brs. SW. Desc. broken NW. slope, 35 ft. to
  7.50
          Thence along E. slope.
Spur, brs. NE. Desc. NW. slope, 130 ft. to
10.00
16.80
          Wash, 30 lks. wide, course SW. Asc. broken S. slope, 110
22.70
               ft. to
          Spur ridge, brs. SW. Desc. NW. slope, 90 ft.

Impracticable to set an iron post at this point. Set a granite stone, 16 X 10 X 8 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.
34.70
40.00
               Pits impracticable.
          Wash, 20 lks. wide, course SW. Asc. SE. slope, 30 ft.
46.20
          Knoll, brs. E. about 4 chs. dist.
55.00
          Spur, brs. SW. Desc. NW. slope, 50 ft. to
59.00
          Wash, 80 lks. wide, course SW. Asc. broken S. slope to
79.50
          Impracticable to set an iron post at this point. Set a granite stone, 16 X 10 X 8 ins., 11 ins. in the ground for cor. of secs. 22,23, 26 and 27, marked with 2
80.00
               notches on S. and E. edges; and raise a mound ofstone
               2 ft. base, la ft. high, W. of cor. Pits impracticable,
           Land, rolling hills.
          Soil, shallow, decomposed granite and lava; 4th rate.
          No timber.
          Undergrowth, greasewood, palo verde, ocatilla and cactti
                                                                        J. M. M.
           A. S.
           East on a random line, bet. secs. 23 and 26.
          Set temp. \frac{1}{4} sec. cor.
Intersect N. and S. line, 2 lks. N. of the cor. of secs.
40.00
80.01
               23, 24, 25 and 26.
           Thence I run
          N.89° 59' W., on a true line, bet. secs. 23 and 26. Over rolling land, through scattering undergrowth. Asc. E. slope, to Divide between Williams and Colorado Rivers, brs. N. and
22.00
               S. Desc. slight W. slope to
29.95
          Wash, 10 lks. wide, course NW. Asc. NE. slope to
          Low hill, brs. N. and S. Desc. W. slope to
33,20
          Wash, 8 lks. wide, course N. Asc. NE. slope to
37.20
          Low hill, brs. N. and S. Desc.
39.80
40.002 Impracticable to set an iron post at this point. Set a
              granite stone, 14 X 13 X 6 ins., 10 ins. in the ground, for \frac{1}{4} sec. cor., marked \frac{1}{4} on N. face; and raise a mound off stone, 2 ft. base, 1\frac{1}{2} ft. high, N. of cor. Pits
               impracticable.
          Enter wash, 40 lks. wide, course ...
64.85
                                                                Comes from SE.
          Leave wash, course SW.
The cor. of secs. 22, 23, 26 and 27.
79.00
80.01
          Land, rolling.
          Soil, rocky, 4th rate.
          No timber.
          Undergrowth, cacti, greasewood, ocatilla and palo verde.
          J. M. M.
N.0° 1' W., bet. secs. 22 and 23.
          Over rolling hills, through scattering undergrowth.
          Asc. broken S. slope, 155 ft.
          Wash, 20 lks. wide, course SW. Continue asc.
  9.50
          Spur, brs. SE. Desc. NE. slope, 25 ft. to Wash, 15 lks. wide, course SE. Asc. broken S. slope, 60 ft. Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
20.50
29.80
40.00
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Chains.
              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}{c} 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.
                                                                   Mar. 8, 1915.
         Mar. 11, 1915. I continue N.0° 1' W., bet. secs. 22 and 23. Divide, between Williams and Colorado Rivers, brs.
 49.50
             and SE. Thence along top of divide.
          Leave top of divide, brs. NE. and S. Desc. NW. slope, 70
 58.80
         Wash, 50 lks. wide, course NW.
Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked on
79.50
80.00
             brass cap
                             1915 on S. rim;
Tl3N Rl8W in N. half;
                             S15 in NW.,
                             Sl4 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, shallow, sandy, decomposed granite, sandstone and
             lava; 3rd and 4th rate.
         No timber.
         Undergrowth, greasewood, palo verde, ocatilla andcacti.
         S.89° 59' E., on a random line, bet. secs. 14 and 23. Set temp. \frac{1}{4} sec. cor.
40.00
80.03
         Intersect N. and S. line, 5 lks. S. of the cor. of secs.
             13, 14, 23 and 24.
         Thence I run
S.89° 59' W., on a true line, bet. secs. 14 and 23.
         Over rolling hills, through scattering undergrowth.
 9.23
         Wash, course SE.
40.01 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 4 sec. cor., marked on brass cap
                            1915 on S. rim;
                            S14 in N.,
S23 in S. and
                            ½ in W. half;
             and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
            N. of cor. Pits impracticable.
        Wash, 30 lks. wide, course SE. Wash, 30 lks. wide, course SE. Asc. SE. slope, 30 ft. to Divide, between Williams and Colorado Rivers, brs. NE. and
43.83
59.58
63.83
             SW. Desc. NW. slope, 40 ft. to
80.03
         The cor. of secs. 14, 15, 22 and 23.
         Land, rolling hills.
         Soil, shallow, sandy, decomposed granite and lava; 3rd
            and 4th rate.
         No timber.
         Undergrowth, greasewood, palo verde, ocatilla and cacti.
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Subdivision of T. 13 N., R. 18 W.
10
Chains
          N.0^{\circ} 1' W., bet. secs. 14 and 15.
          Over rolling hills, through scattering undergrowth. Wash, 50 lks. wide, course W. Asc. S. slope, 45 ft. Set an iron post, 3 ft. long, 1 in. diam., 28 ins.in the
29.25
40.00
               ground, for \( \frac{1}{4} \) sec. cor., marked on brass cap 1915 on S. rim;
                                  in N.,
               $14 in E. and $15 in W. half; and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
               W. of cor. Pits impracticable.
          Spur, brs. W. Desc. N. slope, 30 ft. to
Wash, 40 lks. wide, course W. Asc. S. slope, 70 ft. to
Spur, brs. SE. Desc. NE. slope, 45 ft. to
Wash, 40 lks. wide, course SE. Thence in wash.
40.50
52.20
 59.20
63.00
          Leave wash, comes from NE. Asc. SE. slope, 40 ft. to
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins.in the
ground, for cor. of secs. 10, 11, 14 and 15, marked on
70.80
80.00
               brass cap
                                1915 on S. rim;
                                Tl3N Rl8W in N. half;
                                Slo in NW.,
                                Sll in NE.,
Sl4 in SE. and
                                S15 in SW. quadrant;
               and raise a mound of stone, 2 ft. base, 1 ft. high,
               W. of cor. Pits impracticable.
           Land, rolling hills.
           Soil, shallow, decomposed granite, sandstone and lava; 3rd
               and 4th race.
          No timber.
          Undergrowth, greasewood, palo verde, ocatilla and cacti.
                                                                          J. M. M.
                                                                      Mar. 11, 1915.
          Mar. 9, 1915. A. S. N.89° 59' E., on a random line, bet. secs. 11 and 14.
          Set temp. \frac{1}{4} sec. cor. Intersect N. and S. line, 5 lks. S. of the cor. of secs.
40.00
80.07
           11, 12, 13 and 14.
Thence I run
           S.89° 57' W., on a true line, bet. secs. 11 and 14.
           Over level land, through scattering undergrowth.
          Wash, 20 lks. wide, course S. Wash, 15 lks. wide, course SE. L SE. Thence over rolling hills.
  4.00
27.00
                                                        Leave flat, brs. NW. and
          Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
40.03불
               ground, for \frac{1}{4} sec. cor., marked on brass cap
                                1915 on S. rim;
                                Sll in N.,
Sl4 in S. and
                                # in W.half;
               and raise a mound of stone, 2 ft. base, 1 ft. high,
          N. of cor. Pits impracticable.
Wash, 10 lks. wide, course SE. Asc. to
Divide, between Williams and Colorado Rivers, brs. N. and
49.90
62.80
               S. Desc. slight W. slope. to
          Wash, 25 lks. wide, course SW.
66.70
          Wash, 20 lks. wide, course S.
78.00
          The cor. of secs. 10, 11, 14 and 15. Land, level and rolling.
80.07
          Soil, rocky, 3rd rate.
          No timber.
           Undergrowth, greasewood, palo verde, ocatilla and cacti.
                                                                          A. S.
                                                                    Mar. 9, 1915.
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2935
                                                                                   11.
              Subdivision of T. 13 N., R. 18 W.
Chains.
          Mar. 11, 1915. J.M.M.
N.O° 1' W., bet. secs. 10 and 11.
          Over rolling hills, through scattering undergrowth.
          Wash, 30 lks. wide, course SE. Asc. SW. slope, 80 ft. to Spur, brs. SE. Thence along E. slope.
 11.50
 29.50
          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 \( \frac{1}{4} \) sec. cor., marked on brass cap

1915 on S. rim;
 40.00
                               \frac{1}{4} in N.,
                               Sll in E. and
SlO in W. half;
              and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
              W. of cor. Pits impracticable.
          Ridge, brs. NE. and SW. Desc. broken NW. slope, 160 ft. to
 41.20
          Foot of desc.; brs. NE. and SW. Thence over level land
 68.00
          On this line, washed out, at approximately Old road, brs. NE. and SW.
 73.00
          Impracticable to set an iron post at this point. Set a
80.00
              granite stone, 14 X 10 X 8 ins., 10 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked with 2 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 impracti-
              cable.
          Land, level and rolling.
          Soil, shallow, sandy, decomposed granite and lava; 3rd and
              4th rate.
          No timber.
          Undergrowth, greasewood, palo verde, ocatilla and cacti.
          N. 89° 57' E., on a random line, bet. secs. 2, and 11.
          Set temp. \frac{1}{4} sec. cor. Intersect N. and S. line, 2 3 lks. N. of the cor. of secs.
40.00
80.25
              1, 2, 11 and 12.
          Thence I run
         N.89° 53' W., on a true line, bet. secs. 2 and 11.
          Over rolling land, through scattering undergrowth.
          Desc. to
         Head of gulch, course SE. Asc. SE. slope, 50 ft. to
12.05
         Spur, brs. S. Desc. W, slope, 30 ft. to
18.65
         Head of wash, course S. Asc. SE. slope, 55 ft. to
22.45
32.45
         Divide between Williams and Colorado Rivers, brs. NE. and
        SW. Desc. NW. slope, 270 ft. 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
40.12층
                              1915 on S. rim;
                              S2 in N.,
                              Sll in S, and
                              를 in W. half;
             and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
             N. of cor. Pits impracticable.
         Foot of desc., brs. NE. and SW. Thence over level land. Old road, brs. NE. and SW. The cor. of secs. 2, 3, 10 and 11.
65.25
74.05
80.25
         Land, level and rolling.
         Soil, shallow, sandy, decomposed granite and lava; 3rd and
             4th rate.
         No timber
         Undergrowth, greasewood, palo verde, ocatilla and cacti.
                                                                     J. M. M.
                                                                Mar. 11, 1915.
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Mar. 15, 1915. A. S.
N.O° 1' W., on arandom line, bet. secs. 2 and 3.
O Set temp. ‡ sec. cor.

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Subdivision of T. 13 N., R. 18 W.
Chains.
             Intersect the N. bdy. of the Tp., 5 lks. E. of the witness cor. to cor. of secs. 2, 3, 34 and 35, which is a stone, established by me, 30 lks.S89°59'W. of true point for cor. of secs. 2, 3, 34 and 35, as described in Book "A". Thence I run, from the true point for cor. of secs. 2, 3,
 79.77
                 34 and 35,
            S.0° 10' W., on a true line, bet. secs. 2 and 3. Over rolling land, through scattering undergrowth. Asc. NW. slope, 35 ft. to
            Low hill, brs. SW. Desc. SE. slope, 145 ft.

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

1915 on S. rim;
 14.12
39.77
                                       \frac{1}{4} in N.,
                                       S2 in E. and
                  S3 in W. half; and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
            Wash, 20 1ks impracticable.

Wash, 20 1ks Course SW. Foot of desc., brs. E. and

Wash, 30 1ks wide, course SW.
 49.77
78.17
             The cor. of secs. 2, 3, 10 and
79.77
             Land, level and rolling.
             Soil, rocky, 4th rate.
            No timber.
            Undergrowth, greasewood, ocatilla, cacti and
                                                                                   Mar. 15, 191
             Mar. 9, 1915. J. M. M.
            At 9 hrs. 5 m., a.m., l.m.t., I set off 34° 25' N. on the lat. arc; 4° 43' S. on the decl. arc; and determine a
                  meridian with the solar at the std. cor. of secs. 33
                  and 34, which is an iron post, established by me, as
                  described in Book "A"
            Thence I run
N.0° 2' W., bet. secs. 33 and 34.
             Over mountainous land, through scattering undergrowth.
            Asc. SE. slope, 50 ft. to
Spur, brs. SW. Desc. NW. slope, to
  3.00
            Gulch, course SW. Asc. SE. slope, 130 ft. to
Spur ridge, brs. SW. Desc. NW. slope, 110 ft. to
 10.50
 15.50
            Gulch, course SW. Asc. S. slope, 160 ft. to
20.40
            Spur, brs. SW. Desc. broken NW. slope, 145 ft. to Wash, 20 lks. wide, course SW. Asc. SE. slope, 80 ft.
25.10
39.50
            Impracticable to set an iron post at this cor. Set a granite stone, 16 X 10 X 6 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
40.00
                  impracticable.
            Point of spur, brs. SW. Desc. NW. slope, 75 ft. to Wash, 40 lks. wide, course SW. Asc. S. slope, 15 ft. to Point of spur, brs. SW. Desc. NW. slope, 25 ft. to
46.80
 53.20
 56.00
            Wash, 80 lks. wide, course SW. Asc. SE. slope, 25 ft. to
66,20
            Spur, brs. SW. Desc. NW. slope, 10 ft. to Impracticable to set an iron post at this point. Set a
88.90
80.00
                 granite stone, 16 X 12 X 6 ins., 11 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, marked with 3 notches on E. and 1 notch on S. edge; and raise a
                  mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, W. of cor.
                  Pits impracticable.
             Land, mountainous.
             Soil, shallow, decomposed granite and lava; 4th rate.
             No timber.
             Undergrowth, greasewood, palo verde, ocatilla and cacti.
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14.

Chains 34.35 39.97

Wash, 20 lks. wide, course SW.

Impracticable to set an iron post at this point. Set a granite stone, 16 X 10 X 5 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.

Asc. E. slope, 850 ft. to

44.75

Top of knoll. Desc. W. slope, 110 ft. to

Wash, 50 lks. wide, course SW. Continue desc. Wash, 20 lks. wide, course SW. Asc. SE. slope, 35 ft. to 57**.7**5

71.75 79.95

The cor. of secs. 21, 22, 27 and 28. Land, rolling.

Soil, shallow, sandy, decomposed granite and lava; 4th rate. Mo timber.

Undergrowth, greasewood, palo verde, ocatilla and cacti. Mar. 9, 1915.

All lines in this Tp., surveyed by me after Mar. 10, 1915, were surveyed with Young and Sons' light mountain tran sit No.8483, with Smith solar attachment. The horizontal limb of the instrument is provided with two double verniers, placed opposite to each other, and reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs;

This instrument was approved Mar. 5, 1915, by the Assist. Supervisor of Surveys for Arizona and California,

subject to satisfactory field performance.

I examine the adjustments of the transit, and find them satisfactory; then to test the solar by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:-

Mar. 9, 1915: At 8 hrs. 18 M., p.m., l.m.t., by my watch, which is set to correct local mean time, at my camp, in sec. 15, T.'13 N., R. 18 W., lat. 34° 28' N., long, l14° 7½' W., I observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

Mar. 9, 1915.

7 /

Mar. 10, 1915: At 7 hrs. 45 m., a.m., l.m.t., I lay off the azimuth of Polaris, 1° 23', to the east, and mark the meridian thus determined by a nail driven in a peg, 5 chs. N. of my station.

At 8 hrs. a.m., l.m.t., I set off 34° 28' N. on the lat. arc; 4° 20' S. on the decl. arc; and determine a meridian with the solar. The meridian thus determined departs less than l' from the meridian determined by observation on Polaris at elongation.

At apparent noon, I set off 4° $16^{\frac{1}{2}}$ S. on the decl. arc; and observe the sun on the meridian; the resulting lat. is 34° 28' N.

At 4 hrs. p.m., l.m.t., I set off 34° 28' N. on the lat. arc; 4° 12' S. on the decl. arc; and determine a meridian with the solar; the meridian thus determined departs less than 1' from the meridian determined by observation on Polaris at elongation.

The solar, by a.m. and p.m. observations, defines positions for meridians which depart less than 1' from the true meridian determined by observation on Polaris at elongation; I therefore conclude that the instrument is in satisfactory adjustment.

Mar. 10, 1915.

2935

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Subdivision of T. 13 N. R.
                                                  18 W
Chains.
          Mar. 11, 1915: At 7 hrs. 32 m., a.m., l.m.t., I set off 34° 27' N. on the lat. arc; 3° 56\frac{1}{2}' 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.
          Over rolling land, through scattering undergrowth.
          Wash, 20 lks. wide, course SW. Asc. S. slope, 100 ft. to Saddle in ridge, ors. E. and W. Desc. NW. slope.
 18.20
 39.50
 40.00
          Butte brs. E. about 20 chs. dist.
          Impracticable to set an iron post at this point. Set a
             granite 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.
 65.80
          Wash, course SW.
          wash, 30 lks. wide, course SW. Joins other wash about 4
75.00
              chs. SW.
80.00
          Point for cor. of secs. 15, 16, 21 and 22 falls where it
          would be destroyed, in wash, course SW. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
80.10
             ground, for witness cor. to cor. of secs. 15, 16, 21 and
             22, marked on brass cap
                             1915 on S. rim;
                             WC N. of center;
                             Tl3N Rl8W in N. half;
                             S16 in NW.,
                             S15 in NE.,
S22 in SE. and
                             S21 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, shallow, sandy, decomposed granite, sandstone and
             lava; 4th rate.
         No timber.
         Undergrowth, greasewood, palo verde, ocatilla and cacti.
         N.89° 58' E., from the true point for cor. of secs. 15, 16
             21 and 22, on a random line, bet. secs. 15 and 22.
         Set temp. ½ sec. cor.
40.00
         Intersect N. and S. line, 2 lks. N. of the cor. of secs. 14, 15, 22 and 23.
79.92
         Thence I run
         5.89° 59' W., on a true line, bet. secs. 15 and 22.
         Over rolling hills, through scattering undergrowth.
         Wash, 50 lks. wide, course NW. Wash, 20 lks. wide, course NW.
   •42
 9.92
         Knoll brs. S. about 5 chs. dist.
28.42
         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;
39.96
                            S15 in N.,
                            S22 in S. and
            \frac{1}{4} in W. half; dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3\frac{1}{2} ft. base, 1\frac{1}{2} ft.
            high, N. of cor.
49.42
         Spur, brs. NW.
                             Desc. to
79.92
         The point for cor. of secs. 15, 16, 21 and 22.
         Land, rolling.
         Soil, shallow, sandy, decomposed granite, sandstone and
             lava; 3rd and 4th rate.
         No timber.
         Undergrowth, greasewood, palo verde, ocatilla and cacti.
         Mar. 11, 1915: At this point I set off 3° 53' S. on the
            decl. arc; and at apparent noon, lobserve the sun on
             the meridian; the resulting lat. is 34^{\circ} 28' N.
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J. M. M.

Mar. 11, 1915.

```
Subdivision of T. 13 N., R. 18 W.
  <u> 16.</u>
           Mar. 13, 1915: A. S.
N. Q. 2; W., bet., secs. 15 and 16, from true point for cor.
Chains. | Mar.
           Witness cor. to cor. of secs. 15, 16,21 & 22, hereinbefore described.
            Over rolling land, through scattering undergrowth. Asc. to
           Low hill, brs. E. and W. Desc. NE. slope, 180 ft.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ½ sec. cor., marked on brass cap

1915 on S. rim;
 10.00
 40.00
                                  \frac{1}{4} in N.,
                                  $15 in E. and
$16 in W. half;
                and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
           W. of cor. Pits impracticable. Wash, 75 lks. wide, course SW.
 42.60
           Wash, 40 lks. wide, course SW.
Road, brs. NE. and SW.
Wash, 30 lks. wide, course SW.
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
 61.60
 72.50
 75.00
 80.00
                brass cap
                                  1915 on S. rim;
Tl3N R18W in N. half;
                                  S9 in NW.,
                                  Slo in NE.,
                                  S15 in SE, and
S16 in SW. quadrant;
                and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
                W. of cor. Pits impracticable.
            Land, rolling.
           Soil, rocky, 3rd rate.
            No timber.
            Undergrowth, cacti, palo verde, greasewood, cact claw and
                ocatilla.
            Mar. 13, 1915: At this cor., I set off 3° 6' S. on the
                decl. arc; and at apparent noon, I observe the sun on the meridian; theresulting lat. is 34° 28 . N.
           N.89° 59' E., on a random line, bet. secs. 10 and 15. Set temp. \frac{1}{4} sec. cor.
 40.00
           Intersect N. and S. line, 7 lks. N. of the cor. of secs.
 80.00
                10, 11, 14 and 15.
           Thence I run
           N.89° 58' W., on a true line, bet. secs. 10 and 15.
Over rolling land, through scattering undergrowth. Asc. to
           Low hill brs. S. Desc. SW. slope, to
  2.20
  5.20
           Gulch, course S. Asc. SE. slope, to
           Low hill, brs. S. Desc. SW. slope to

Wash, 30 lks. wide, course SW.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the

ground, for ½ sec. cor., marked on brass cap

1915 on S. rim;
  8.15
 32.00
 40.00
                                  Slo in N.,
                                  S15 in S. and
                                  in W. half;
                and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
                N. of cor. Pits impracticable.
           Wash, 20 lks. wide, course S. Road, brs. NE. and SW. Wash, 30 lks. wide, course SW.
 55.50
 73.40
 75.30
           The cor. of secs. 9, 10, 15 and 16.
 80.00
           Land, rolling.
           Soil, rocky 3rd rate.
           No timber.
            Undergrowth, greasewood, palo verde, ocatilla and cacti.
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Subdivision of T. 13 N. R. 18 W.
Chains.
            N.0° 2' W., bet. secs. 9 and 10.
            Over rolling land, through scattering undergrowth.

Wash, 5 chs. wide, course SW.

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;
  5.00
 40.00
                                        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.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked on
80.00
                 brass cap
                                     1915 on S. rim;
Tl3N Rl8W in N. half;
                                     S 4 in NW.,
                                     S 3 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. Soil, 3rd and 4th rate; rocky.
            No timber.
            Undergrowth, greasewood, palo verde, ocatilla and cacti.
                                                                          Mar. 13, 1915.
            Mar. 15, 1915.
S.89° 58' E., on a random line, bet. secs. 3 and 10.
Set temp. ½ sec. cor.
Intersect N. and S. line, 5 lks. S. of the cor. of secs.
40.00
79.85
                 2, 3, 10 and 11.
            Thence I run
            West on a true line, bet. secs. 3 and 10.
            Over rolling land, through scattering undergrowth.
   435
            Wash, 30 lks. wide, course SW.
31.75
            Wash, 40 lks. wide, course SW. Asc. to
           Top of flat hill, brs. S.
Top of rim, brs. N. and S. Desc. W. slope, 75 ft.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
34.85
39.30
39.92½
                ground, for \frac{1}{4} sec. cor., marked on brass cap 1915 on S. rim;
                                    S3 in N.,
                                     SlO in S. and
                and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
                N. of cor. Pits impracticable.
           Wash, 15 lks. wide, course S. Asc. E. slope, 40 ft. to Low hill, brs. S. Desc. W. slope, 50 ft. to Gulch, course S. Asc. SE. slope, 45 ft. to
43.75
46.95
50.10
           Low hill, brs. S. Desc. W. slope, 40 ft. to Wash, 20 lks. wide, course S. Asc. E. slope, 65 ft. to The cor. of secs. 3, 4, 9 and 10.

Land, rolling.
60.05
73.05
79.85
           Soil, rocky, 3rd rate.
           No timber.
           Undergrowth, greasewood, palo verde and cacti.
           N.0° 2' W., on a random line, bet. secs. 3 and 4.

Set temp. 4 sec. cor.

Intersect N. bdy. of Tp., 9 lks. W. of the cor. of secs.

3, 4, 33 and 34, which is an iron post, established by

me, as described in Book "A".
40.00
79.76
           Thence I run S.0° 2' W., on a true line, bet. secs. 3 and 4.
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Subdivision of T. 13 N., R. 18 W.
 18.
                                                                                                                     18,
Chains.
               Over rolling land, through scattering undergrowth.
              Wash, 20 lks. wide, course SW.

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;
 15.56
 39.76
                                           \frac{1}{4} in N., S3 in E. and
                    S4 in W. half; and raise a mound of stone, 2 ft. base, l\frac{1}{2} ft. high,
                    W. of cor. Pits impracticable.
 79.76
              The cor. of secs. 3, 4, 9 and 10.
              Land, rolling.
              Soil, rocky, 3rd rate. No timber.
              Undergrowth, greasewood, palo verde, ocatilla and cacti.
              Mar. 15, 1915: At this cor., I set off 2° 19' S. on the
                   decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34^{\circ} 29\frac{1}{2}! N.
                                                                                    Mar. 15, 1915.
                    34° 25' N. on the lat. arc; 3° 33' S. on the decl. arc;
              Mar.
                   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 an iron post, established by J. M. M., as
                    described in Book "A"
             described in Book "A".

Thence I run

N.0° 2' W., bet. secs. 32 and 33.

Over broken land, through scattering undergrowth.

Wash, 50 lks. wide, course SW. Asc. S. slope, 75 ft. to

Low hill, brs. SW. Desc. N. slope 20 ft. to

Wash, 50 lks. wide, course SW. Asc. S. slope, to

Low hill, brs. E. and W. Desc. N. slope, 40 ft. to

Wash, 25 lks. wide, course SW. Asc. S. slope, 80 ft.

Impracticable to set iron post at this point. Set a

granite stone, 14 X 8 X 6 ins., 10 ins. in the ground,

on solid rock, for \(\frac{1}{4}\) sec. cor., marked \(\frac{1}{4}\) on \(\W\). face;

and raise a mound of stone, 2 ft. base, \(\frac{1}{2}\) ft. high,

W. of cor. Pits impracticable.
  3.00
13.70
16.00
32.00
39.20
40.00
                   W. of cor. Pits impracticable.
            Low hill, brs. E. and W. Desc. N. slope to Wash, 70 lks. wide, course SW. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked on
47.70
67.80
80.00
                   brass cap
                                          1915 on S. rim;
Tl3N 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.
Soil, rocky, 4th rate.
             No timber.
             Undergrowth, cacti, greasewood, palo verde and cattclaw.
             East on a random line, bet. secs. 28 and 33.
             Set temp. ½ sec. cor.
40.00
             Intersect N. and S. line, 14 lks. S. of the cor. of secs. 27, 28, 33 and 34.
79.91
             Thence I run
S.89° 54' W., on a true line, bet. secs. 28 and 33.
Over rolling land, through scattering undergrowth.
            Wash, 40 lks. wide, course SW.
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Subdivision of T. 13 N., R. 18 W. 19.
Chains.
 34.90 Wash, 60 lks. wide, course SW.
39.95½ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ½ sec. cor., marked on brasscap

1915 on S. rim;
                                  S28 in N. and
                                  S33 in S. and
                                  🚽 in W. half;
                and raise a mound of stone, 2 ft. base, l\frac{1}{2} ft. high,
           N. of cor. Pits impracticable. Wash, 20 lks. wide, course SW.
 51.80
           The cor. of secs. 28, 29, 32 and 33,
 79.91
           Land, rolling.
Soil, rocky, 4th rate.
           No timber.
           Undergrowth, greasewood, cacti, and paloverde.
           Mar. 12, 1915: At this cor., I set off 3° 29\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' N.
           N.0^{\circ} 2 W., bet. secs. 28 and 29.
           Over rolling land, through scattering undergrowth.
  9.70
           Wash, 40 lks. wide, course SW.
           Rocky butte, brs. W. about 15 chs. dist.
 24.80
           Wash, 40 lks. wide, course SW. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
29.90
 40.00
               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.
          Wash, 20 lks. wide, course SW. Asc. SW. slope, 120 ft. to Top of W. slope of butte. Desc. NW. slope, 120 ft. to Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, marked on
59.50
74.70
80.00
               brass cap
                                 1915 on S. rim;
Tl3N RT8W 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.
          Soil, rocky, 4th rate.
          No timber.
          Undergrowth, cacti, palo verde and ocatilla.
          N.89° 54' E., on a random line, bet. secs. 21 and 28. Set temp. \( \frac{1}{4} \) sec. cor.
40.00
          Intersect N. and S. line, 5 lks. N. of the cor. of secs.
79.81
          21, 22, 27 and 28.

Thence I run
S.89° 56' W., on a true line, bet. secs. 21 and 28.

Over rolling land, through scattering undergrowth.
          Wash, 20 lks. wide, course SW. Asc. to
15.10
          Low hill, brs. N. and S. Desc. slight W. slope
35.50
39.90 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for & sec. cor., marked on brass cap 1915 on S. rim;
                                S21 in N.,
                                $28 in S. and
                                \frac{1}{4} in W. half;
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Subdivision of T. 13 N., R. 18 W.
20
Chains l
               and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
           N. of cor. Pits impracticable. Wash, 20 lks. wide, course SW.
 64.30
           The cor. of secs. 20, 21, 28 and 29.
79.81
           Land, rolling.
           Soil, rocky, 4th rate,
           No timber.
           Undergrowth, cacti and palo verde.
                                                                   Mar. 12, 1915.
               13, 1915: At 8 hrs. 4 m., a.m., l.m.t., I set off 34° 27' N. on the lat. arc; 3° 9\frac{1}{2}' S. on the decl. arc;
               and determine a meridian with the solar at the cor. of
               secs. 20, 21, 28 and 29.
           Thence I run
N.0° 2' W., bet. secs. 20 and 21.
           Over rolling land, through scattering undergrowth.
           Wash, 50 lks. wide, course SW. Asc.
21.80
           Impracticable to set an iron post at this point. Set a
40.00
               granite stone, 14 X 10 X 8 ins., 10 ins. in the ground, on solid 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
          Low hill, brs. E. and W. Desc. to Impracticable to set an iron post at this point. Set a
40.50
80.00
               granite stone, 18 X 10 X 6 ind., 12 ins. in the ground,
               for cor. of secs. 16, 17, 20 and 21, marked with 4 notches on E. and 3 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
          Soil, 3rd and 4th rate,
           No timber.
           Undergrowth, greasewood, palo verde, ocatilla and cacti.
          N.89° 56' E., on a random line, bet. secs. 16 and 21.
                         \frac{1}{4} sec. cor.
40.00
          Set temp.
          Intersect N. and S. line, 36 lks. S. of the witness cor.
79.76
               to cor. of secs. 15, 16, 21 and 22, which is an iron post, set 10 lks. N of the true point for cor. of secs.
          15, 16, 21 and 22,
Thence I run, from the true point for cor. of secs. 15, 16, 21 and 22,
S.89° 45' W., on a true line, bet. secs. 16 and 21.
Over rolling land, through scattering undergrowth.
          Asc. to
          Low hill, brs. NW. and SE. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
  5.76
              ground, for \(\frac{1}{4}\) sec. cor., \(\text{in}\);
39.88
                                   sec. cor., marked on brass cap
                                 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,
          Asc. E. slope, 170 ft. to
Knoll. Desc. W. slope, 175 ft. to
The cor. of secs. 16, 17, 20 and 21
64.85
79.76
          Land, rolling.
          Soil, rocky, 3rd rate.
          No timber.
          Undergrowth, cacti, palo verde, and ocatilla.
                                                                Mar. 13, 1915.
          Mar. 14, 1915: At 8 hrs. 6 m., a.m., l.m.t., I set off 34° 28' N. on the lat. arc; 2° 46' S. on the decl. arc;
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Mon 2005

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21,
Chains
                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 broken land, through scattering undergrowth. Desc. NW. slope, 60 ft. to
           Gulch, course SW. Asc. S. slope, 40 ft. to
  5.40
           Low hill, brs. SW. Desc. N. slope, 80 ft. to Gulch, course SW. Asc. S. slope, 55 ft. to Top of butte. Thence along broken W. slope. Intersect side line 4-5 of Manitowoc No. 1 Mining Claim
  7.25
 11.60
 15.35
 26.97
                at a point from which Cor. No. 5, which is a stone,
           10 X 8 X 6 ins. above ground, with a nound of stone, marked 5-2825 M. No. 1, with cross (X) at exact point, brs. N.88° 4' W. 7.23 chs. dist.

Thence across Manitowoc No. 1 Mining Claim.
30.40
           Point of spur, brs. W. Desc. NW. slope, 45 ft. to
           Wash, 80 lks. wide, course SW. Asc. SW. slope, 45 ft. Intersect side line 2-3 Manitowoc No. 1 Mining Claim,
34.40
35.95
                at a point from which Cor. No. 2, which is a pine post, 4 X 6 ins. square, 12 ins. above ground, scribed 2-2825 M. No. 1, brs. N.88° 4' W., 5.42 chs. dist.
           Leave Manitowoc No. 1 Mining Claim.
           Spur, brs. W. Thence along W. slope.
Point for \( \frac{1}{4} \) sec. cor. falls on rotten granite ledge. I return to
37.85
40.00
           Set an iron post, 3 ft. long, l in. diam., 26 ins. in the
39.75
                ground, for witness cor. to \frac{1}{4} sec. cor., marked on
                brass cap
                                  1915 on S. rim;
                                  WC S. of center;
                                  를 in N.,
                                  S16 in E. and
                                  S17 in W. half;
                and raise a mound of stone, 2 \text{ ft.} base, 1\frac{1}{2} \text{ ft.} high,
               W. of cor. Pits impracticable.
           From this witness cor., U. S. M. M. No. 2825, which is
                a quartzite peak, chiseled cross (X) for initial point
           U. S. M. M. No. 2825, with a monument of stone along-
side, brs. N. 59° 36' W., 10. 55 chs. dist.
Wash, 80 lks. wide, course SW. Asc. SE. slope, 55 ft. to
46.40
52.75
           Low hill, brs. E. Desc. NE. slope, 20 ft. to
56.65
           Wash, 30 lks. wide, course SE. Asc. along point of spur,
               70 ft. to
           Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on
80.00
               brass cap
                                  1915 on S. rim;
                                  Tl3N R18W 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, l^{\frac{1}{2}} ft. high,
          W. of cor. Pits impracticable.
Land, rolling; small gulches, low, broken hills and knolls.
          Soil, rocky, 3rd rate.
          No timber.
          Undergrowth, greasewood, palo verde and ocatilla.
          Mar. 14, 1915: At this cor., I set off 2° 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} 28\frac{1}{2}'N.
          N.89° 45' E., on a random line, bet. secs. 9 and 16. Set temp. \frac{1}{4} sec. cor.
40.00
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Intersect N. and S. line, 2 lks. N. of the cor. of secs.

79.80

9, 10, 15 and 16.

Thence I run

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22.
                     Subdivision of T. 13 N., R. 18 W.
Chains.
          S.89° 46' W., on a true line, bet. secs. 9 and 16.
          Over rolling land, through scattering undergrowth, Wash, 5 chs. wide, course SW.

Wash, 30 lks. wide, course S.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
  5.00
 22.20
 39.90
              ground, for ½ sec. cor., marked on brass cap
1915 on S. rim;
                                S9 in N.,
                                S16 in S. and
                                1 in W. half;
               and raise a mound of stone, 2 ft. base, 12 ft. high,
              W. of cor. Pits impracticable.
          Asc. SE. slope, 35 ft. to
Low hill, brs. S. Desc. W. slope, 30 ft. to
Wash, 50 lks. wide, course S. Asc. SE. slope, 105 ft. to
 55.80
 61.80
          Low hill, brs. S. Desc. W. slope, 70 ft. to
 72.60
          Gulch, course S. Asc. E. slope, 20 ft. to The cor. of secs. 8, 9, 16 and 17.
 77.30
 79.80
          Land, rolling.
          Soil, rocky, 4th rate.
          No timber.
          Undergrowth, greasewood, palo verde, ocatilla and cacti.
                                                                  Mar. 14, 1915.
          Mar. 15, 1915. J. M. M. N.O° 2' W., bet. secs. 8 and 9.
          Over rolling hills, through scattering undergrowth.
          Prospect hole brs. W. 1 ch. dist.
  2.40
          Small knoll brs. W. about 150 lks. dist. Gulch, course SW. Asc. broken SW. slope, 95 ft. to Spur, brs. SE. Asc. SE. slope, 45 ft. to
  5.00
  9.80
34.00
          Same spur, brs. SW. Thence along W. slope.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ½ sec. cor., marked on brass cap

1915 on S. rim;
 39.00
 40.00
                                 in N.,
                                Š9 in E. and
              S8 in W. half; and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
          W. of cor. Pits impracticable.
Wash, 20 lks. wide, course SW. Asc. SE, slope, 90 ft.
56.50
          Old road, brs. NW. and SE.
76.60
77.00
          Spur, brs. SE.
          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
80.00
               cap
                                1915 on S. rim;
                                Tl3N Rl8W 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 hills.
          Soil, shallow, sandy, decomposed granite and lava; 4th rate.
          No timber.
          Undergrowth, greasewood, palo verde, ocatilla and cacti.
                                                                         J. M. M.
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At 7 hrs. 54 m., a.m., l.m.t., I set off 34° 29½' N. on the lat. arc; 2° 22' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 4, 5, 8

3.___

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Chains,
               and 9.
           Thence I run
           N.89° 46' E., on a random line, bet. secs. 4 and 9.
 40.00
          Set temp. \frac{1}{4} sec. cor. Intersect N. and S. line, 16 lks N. of the cor. of secs.
79.98
               3, 4, 9 and 10.
           Thence I run
           S.89° 53' W., on a true line, bet. secs. 4 and 9. Over rolling land, through scattering undergrowth.
          Wash, 1 ch. wide, course S.

Wash, 15 lks. wide, course S.

Wash, 25 lks. wide, course SE.

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;
17.30
32.40
37.50
39.99
                                 S4 in N_{\bullet},
                                 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. Wash, 15 lks. wide, course S. Wash, 35 lks. wide, course SE.
45.40
58.00
79.00
          Wash, 50 lks. wide, course SE.
79.98
          The cor. of secs. 4, 5, 8 and 9.
          Land, rolling,
          Soil, rocky, 3rd rate.
          No timber.
          Undergrowth, cacti, palo verde and ocatilla.
          J. M. M.
N.0° 2' W., on a random line, bet. secs. 4 and 5.
Set temp. ½ sec. cor.
Intersect N. bdy. of Tp.,2 lks. E. of the cor. of secs.
4, 5, 32 and 33, which is an iron post, established
40.00
80.04
              by me, as described in Book "A".
          Thence I run S.0° 3' E., on a true line, bet. secs. 4 and 5.
          Over rolling land, through scattering undergrowth.
          Desc. S. slope of small knoll in
                                                                            ∵ b, 75 ft. t¢
          Enter wash, course SE.
   •54
          Leave wash, course SE. Thence along E. slope. Spur, brs. SE. Desc.
10.64
22.00
          Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
40.04
              ground, for \( \frac{1}{2} \) sec. cor., marked on brass cap 1915 on S. rim;
                                  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. Wash, 40 lks. wide, course SE. Enter wash, course SE.
44.54
71.00
          Leave wash, course SE. The cor. of secs. 4, 5, 8 and 9.
79.74
80.04
          Land, rolling.
          Soil, shallow, sandy, decomposed granite, and lava; 3rd
              and 4th rate.
          No timber.
          Undergrowth, greasewood, palo verde, ocatilla
                                                                              and cacti.
                                                                   Mar. 15, 1915.
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Subdivision of T. 13 N., R.
                                                            18 W
           Mar. 12, 1915.
At 7 hrs. 54 m., a.m., l.m.t., I set off 34° 25' N. on the lat. arc; 3° 33' S. on the decl. arc; and determine a
Chains.
                meridian with the solar at the std., cor. of secs. 31
                and 32, which is an iron post, established by me, as
                described in Book "A".
           Thence I run
N.0° 3' W., bet. secs. 31 and 32.
Across bottom of wash, through scattering undergrowth.
           Leave bottom of wash, course SW. Thence over rolling land.
 22.50
           Wash, 50 lks. wide, course SW.

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for ½ sec. cor., marked on brass cap

1915 on S. rim;
 25.00
 40.00
                                   를 in N.,
                                  $32 in E. and
                S31 in W.half; and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
                W. of cor. Pits impracticable.
           Wash, 50 lks. wide, course SW.
Enter wash, course SW.
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
 62.60
 72.20
 80.00
                brass cap
                                  1915 on S. rim;
T13 N R18W in N. half;
                                  S30 in NW.,
                                  $29 in NE.,
                                  S32 in SE, and
                                  S31 in SW. quadrant;
                and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
           W. of cor. Pits impracticable.
Land, level and rolling.
Soil, sandy, decomposed granite and sandstone; 3rd rate.
           No timber.
           Undergrowth, greasewood, palo verde, mesquite and cacti.
           East, on a random line, bet. secs. 29 and 32. Set temp. 4 sec. cor. Intersect N. and S. line, 7 lks. S. of the cor. of secs.
 40.00
80.11
               28, 29, 32 and 33.
           Thence I run
           S.89° 57' W., on a true line, bet. secs. 29 and 32. Over rolling land, through scattering undergrowth.
 20.30 Wash, 50 lks. wide, course SW.
40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
                ground, for \frac{1}{4} sec. cor., marked on brass cap 1915 on S. rim;
                                  S29 in N.,
                                  S32 in S. and
                                  를 in W. half;
                and raise a mound of stone, 2 ft. base, l_{2}^{1} ft. high,
           N. of cor. Pits impracticable.
Wash, 50 lks. wide, course SW. Asc.
Knoll brs. N. about 8 chs. dist.
Spur, brs. SW. Desc. NW. slope, 40 ft. to
Enter wash, course SW.
 41.60
 54.60
 58.00
 78.90
           The cor. of secs. 29, 30, 31 and 32.
80.11
           Land, rolling.
           Soil, sandy, decomposed granite and sandstone; 3rd rate.
           No timber.
           Undergrowth, scattering mesquite, cat claw, and cacti.
                                                                              Mar. 12, 1915.
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Mar. 13, 1915. At 8 hrs. 30 m., a.m., l.m.t., I set off 34° 26' N. on the lat. arc; 3° $9\frac{1}{8}$ ' S. on the decl. arc;

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Chains.
              and determine a meridian with the solar at the cor. of
              secs. 29, 30, 31 and 32.
          Thence I run
          West, on a random line, bet. secs. 30 and 31.
          Set temp \( \frac{1}{4} \) sec. cor.

Intersect W. bdy. of Tp., 2 lks. N. of the cor. of secs.
 40.00
79.88
             25, 30, 31 and 36, which is an iron post, established by me, as described in Book "A".
         Thence I run
N.89° 59' E., on a true line, bet. secs. 30 and 31.
Over rolling land, through scattering undergrowth.
25.08
         Wash, 150 lks. wide, course SW.
         Enter wash, course SW.
37.68
         Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for 4 sec. cor., marked on brass cap 1915 on S. rim;
39.88
                             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.
         Leave wash, course SW.
61.68
         Enter wash, course SW. Thence across wash. The cor. of secs. 29, 30, 31 and 32.
72.68
79.88
         Land, rolling.
         Soil, shallow, sandy, decomposed, granite, sandstone and
             lava; 3rd rate.
         No timber.
         Undergrowth, scattering mesquite, cacti and palo verde.
                                                           Mar. 13, 1915.
         Mar. 12, 1915.
N.0° 3' W., bet. secs. 29 and 30.
         Over rolling land, along bottom of wash, through scatter-
             ing undergrowth.
         Leave wash, course SW.
 4.80
 8.50
         Wash, 60 lks. wide, course SW. Joins other wash about 4
             chs. SW.
20.00
         Enter wash, course SW.
         Set an iron post, 3 ft. long, 1 in. diam., 28 ins. In the
40.00
             ground, for
                              sec. cor., marked on brass cap
                             1915 on S. rim;
                               in N.,
                             S29 in E. and
                             S30 in W.half;
             and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
             W. of cor. Pits impracticable.
         Leave wash, course SW. Asc. S. slope, 85 ft. to
Top of knoll. Desc. slight N. slope to
Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the
ground, for cor. of seds. 19, 20, 29 and 30, marked on
61.50
72.00
80.00
             brass cap
                            1915 on S. rim;
Tl3N Rl8W 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, l^{\frac{1}{2}} ft. high,
            W. of cor. Pits impracticable.
         Land, rolling.
         Soil, sandy, 3rd rate; and rocky, 4th rate.
         No stimber.
         Undergrowth, scattering mesquite, cacti and greasewood.
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26. Subdivision of T. 13 N., R. 18 W. Chains, N.89° 57' E., om a random line, bet. secs. 20 and 29. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 2 lks. S. of the cor. of secs. 40.00 80.20 20, 21, 28 and 29. Thence I run S. 89° 56' W., on a true line, bet. secs. 20 and 29. Over rolling hills, through scattering undergrowth. Asc. to Top of small knoll. Desc. SW. slope, 80 ft. to Thence along S. slope. 3.20 15.00 Low ridge, brs. NE. and SW. Desc. 38.70 Impracticable to set iron post at this point. Set a granite stone, 14 X 12 X 10 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 40.10 $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. Butte brs. S. about 8 chs. dist. 52.70 Enter wash, course SW. 55.70 Leave wash, course SW. Thence along broken S. slope. The cor. of secs. 19, 20, 29 and 30. 68.70 80.20 Land, rolling and broken. Soil, shallow, decomposed granite, sandstone and lava; 4th rate. No timber. Undergrowth, scattering mesquite, greasewood, palo verde, ocatilla and cacti. Mar. 12, 1915. Mar. 13, 1915. S. 89° 59' W., on a random line, bet. secs. 19 and 30. Set temp. \(\frac{1}{4}\) sec. cor. Intersect W. bdy. of Tp., at the cor. of secs. 19, 24, 25 and 30, which is an iron post, established by me, as described in Book"\(\frac{1}{4}\). 40.00 79.83 Thence I run N.89° 59' E., on a true line, bet. secs. 19 and 30. Over rolling land, through scattering undergrowth. Asc. W. slope, 80 ft. to Ridge, brs. SW. Desc. broken SE. slope, 65 ft. to 5.00 16.28 Wash, 60 lks. wide, course S. Wash, 2 chs. wide, course SW. Joins other wash about 15 30.00 chs. SW. Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the 39.83 ground, for \(\frac{1}{4} \) sec. cor., marked on brass cap 1915 on S. rim; S19 in N., S30 in S. and $\frac{1}{4}$ in W. half; and raise a mound of stone, 2 ft. base, 1 ft. high. N. of cor. Pits impracticable. Wash, 120 lks. wide, course SW. Wash, 15 lks. wide, course SW. 65.00 71.60 The cor. of secs. 19, 20, 29 and 30. 79.83 Land, rolling. Soil, shallow, sandy, decomposed granite, sandstone and lava; 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and cacti. Mar. 13, 1915: At this cor., I set off 3° 6' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 27' N. Mar. 13, 1915. Mar. 12, 1915: At the cor. of secs. 19, 20, 29 and 30, I set off 3° $29\frac{1}{2}$ 'S. on the decl. arc; and at apparent

noon, I observe the sun on the meridian; the resulting lat. is 34° 27' N.

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Chains.
          Thence I run
N.0° 3' W., bet. secs. 19 and 20.
          Over rolling hills, through scattering undergrowth. Wash, 15 lks. wide, course SW.
  3.80
 10.00
          Same wash, course SE. Asc. SW. slope, 145 ft.
 23.00
          Knoll brs. E. about 3 chs. dist.
          Knoll brs. W. about 6 chs. dist.
 25.00
          Ridge, brs. E. and W. Desc. NE. slope, 40 ft. to
 29.80
 33.20
         Enter wash, course SW.
 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.,
                            $20 in E. and
$19 in W. half;
             and raise a mound of stone, 2 ft. base, 12 ft. high,
             W. of cor. Pits impracticable.
 66.10
         Leave wash, course SW. Asc. S. slope, 40 ft. to
         Spur, brs. SE.
79.80
         Set an iron post, 3ft. long, 2 ins. diam., 18 ins. in the
80.00
             ground, on solid rock, supported by a mound of stone,
             for cor. of secs. 17, 18, 19 and 20, marked on brass
                            1915 on S. rim;
T13N 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, sandy, decomposed granite and lava; 3rd
             and 4th rate.
         No timber.
         Undergrowth, scattering mesquite, greasewood, palo verde,
             ocatilla and cacti.
        N.89° 56' E., on a random line, bet. secs. 17 and 20. Set temp. \frac{1}{4} sec. cor. Intersect N. and S. line, 5 lks N. of the cor. of secs.
40.00
80.00
         16, 17, 20 and 21. Thence I run
         S.89° 58' W., on a true line, bet. secs. 17 and 20.
         Over rolling hills, through scattering undergrowth. Desc.broken W. slope, 165 ft. to
18.90
        Enter wash, course SE.
        Leave wash, course SE. Thence along S. slope.
Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground, on solid rock, supported by a mound of stone,
27.60
40.00
            for \frac{1}{2} sec. cor., marked on brass cap
1915 on S. rim;
                           $17 in N.,
                           S20 in S. and
                           才 in W. half;
            and raise a mound of stone, 2 ft, base, 1\frac{1}{2} ft. high,
            N. of cor. Pits impracticable.
        Enter wash, course SW.
71.80
        Leave wash, course SW.
The cor. of secs. 17, 18, 19 and 20.
78.60
80.00
        Land, rolling hills.
        Soil, shallow, samdy, decomposed granite, sandstone and
            lava; 3rd and 4th rate.
        No timber.
        Undergrowth, mesquite, greasewood, palo verde and cacti.
                                                           Mar. 12, 1915.
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28.
                 Subdivision of T. 13 N., R. 18 W.
Chains.
             Mar. 13, 1915. S.89 ^{\circ} 59' W., on a random line, bet. secs. 18 and 19. Set temp. \frac{1}{4} sec. cor.
 40.00
             Intersect W. bdy. of Tp., 5 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".
 79.79
             Thence
                         I run
             N.89° 57' E., on a true line, bet. secs. 18 and 19.
             Over rolling hills, through scattering undergrowth.
             Desc. broken SE. slope, 75 ft. to

Wash, 60 lks. wide, course Sw. Asc. NW. slope, 90 ft. to

Top of knoll on spur, brs. SW. Desc.SE, slope, 56 ft. to

Wash, 40 lks. wide, course SW. Thence along broken S.slope.

Low saddle in spur, brs. SW. Asc.

Top of knoll. Desc.broken SE. slope, 65 ft.

Impracticablé to set iron post at this point. Set a lime-
 12.80
 16.40
 21.20
 28.50
 38.80
 39.79
                  stone, 16 X 8 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, \(\frac{1}{2}\) ft. high, N. of cor. Pits impracticable.

Wash, 80 lks. wide, course SW. Asc. broken W. slope, 45 ft.
 44.50
                  to
             Spur, brs. SW. Thence along broken S. slope Wash, 30 lks. wide, course SW. The cor. of secs. 17, 18, 19 and 20.
 51.20
 58.20
 79.79
             Land, rolling hills.
             Soil, shallow, sandy, decomposed granite, sandstone and
                  lava; 3rd and 4th rate.
             No timber.
             Undergrowth, greasewood, palo verde, ocatilla and cacti.
                                                                                 Mar. 13, 1915.
                  . 15, 1915: At 8 hrs. 30 m., a.m., l.m.t., I set off 34° 28' N. on the lat. arc; 2° 212' 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 N.0° 3' W., bet. secs. 17 and 18.
             Over rolling hills, through scattering undergrowth.
             Wash, 70 lks. wide, course SE.
Knoll brs. W. about 10 chs. dist.
  7.50
 20.00
             Enter wash, course SE.

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for ½ sec. cor., marked on brass cap

1915on S. rim;
 21,00
 40.00
                                         in N.,
                  $17 in E. and
$18 in W. half;
and raise a mound of stone,
                                                                  2 ft. base, 1\frac{1}{2} ft. high,
                  W. of cor. Pits impracticable.
             Leave wash, course SE.
 50.20
            Wash, 30 lks. wide, course SW.
Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, on solid rock, in a mound of stone, for cor. of secs. 7, 8,17 and 18, marked on brass cap
79.90
80.00
                                       1915 on S. rim;
Tl3N 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, l\frac{1}{2} ft. high,
             W. of cor. Pits impracticable. Land, rolling hills.
             Soil, shallow, sandy, decomposed granite and sandstone,
                  4th rate.
             No timber.
             Undergrowth, greasewood, palo verde, ocatilla and cacti.
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Mar.15, 1915.

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30
                       Subdivision of T. 13 N., R. 18 W
Chains.
             Mar. 16, 1915: A. S. At 7 hrs. 55 m., a.m., l.m.t., I set off 34° 28½' N. on the lat. arc; 1° 58½' S. on the decl. arc; and determine a
                  meridian with the solar at the cor. of secs. 7, 8, 17
                  and 18.
             Thence I run
N.0° 3' W., bet. secs. 7 and 8.
             Over rolling land, through scattering undergrowth.
Leave rolling land, brs. NW. and SE. Thence over level
 35.00
                  land,
             Set aniron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ½ sec. cor., marked on brass cap
                  ground, for \frac{1}{4} sec. co., 1915 on S. rim;
 40.00
                                         in N.,
                                       S8 in E., and
                  S7 in W. half; and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
             W. of cor. Pits impracticable.
Wash, 25 lks. wide, course SW.
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
 45.00
 80.00
                                     1915 on S. rim;
T13N 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, l_{2}^{1} ft. high,
                  W. of cor. Pits impracticable.
             Land, level and rolling.
             Soil, rocky, 3rd rate.
             No timber.
             Undergrowth, cacti, palo verde, greasewood and ocatilla.
             Mar. 16, 1915: At this cor., I set off 1° 55' S. on the
                  decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 29½ N.
             N.89° 58' E., on a random line, bet. secs. 5 and 8, Set temp. \frac{1}{4} sec. cor. Intersect N. and S.line, 7 lks. S. of the cor. of secs.
 40.00
 80.02
                   4, 5, 8 and 9.
              Thence I run
             S.89° 55' W., on a true line, bet. secs. 5 and 8. Over rolling land, through scattering undergrowth. Asc. E. slope, 65 ft. to
   4.40
             Low hill, brs. S.
             Old road, brs. NW.and SE. Desc. W. slope, 20 ft. to Gulch, course S. Asc. E. slope, 35 ft. to Low hill, brs. S. Desc. W. slope, 15 ft. to Gulch, course S. Asc.broken SE. slope, 150 ft.
   5.50
 10.15
 14.80
 19.80
             Rocky butte, brs. S. about 10 chs. dist.

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
 40.00
 40.01
                   cap
                                        1915 on S. rim;
                                        S5 in N.,
                                        §8 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.
             Low hill, brs. S. Desc. slight W. slope to Gulch, course S. Asc. E. slope, 70 ft. to Top of butte. Desc. W. slope, 110 ft. to Wash, 12 lks. wide, course S. Thence over level land,
 42.00
 45.00
  48.25
  52.50
                  brs. N. and S.
             The cor. of secs. 5, 6, 7 and 8.
 80.02
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Chains.
            Land, rolling.
            Soil, rocky, 3rd rate.
            No timber.
            Undergrowth, cacti, palo verde and ocatilla.
           N.89° 57' W., on a random line, bet. secs. 6 and 7. Set temp. ½ sec. cor.
Intersect W. bdy. of Tp., 14 lks. N. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, established by J. M. M., as described in Book "A".
Thence I run
 40.00
 79.72
           N.89° 57' E., on a true line, bet. secs. 6 and 7. Over rolling land, through scattering undergrowth.
           Wash, 15 lks. wide, course SE. Asc. to
  4.22
           Low hill, brs. S. Desc. E. slope, 65 ft. to Gulch, course S. Asc. W. slope, 75 ft. to Low hill, brs. S. Desc. E. slope, 40 ft. to
10.12
 16.52
20.12
           Gulch, course S. Asc.W. slope, 40 ft. to
22.62
25.02
           Low hill, brs. S. Desc. E. slope, 45 ft. to
28.27
           Wash, 15 lks. wide, course S. Asc. W. slope, 50 ft. to
           Low hill, brs. S. Desc. E. slope, 50 ft. to Gulch, course S. Asc. W. slope, 40 ft. to Low hill, brs. S. Desc. broken SE. slope, 30 ft.
31.42
34.82
37.72
           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
39.72
                cap
                                   1915 on S. rim;
                                  S6 in N.,
                                  S7 in S. and
                                   1 in W. half;
                and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
           N. of cor. Pits impracticable. Wash, 20 lks. wide, course SW.
44.72
           Leave rolling land, brs. NW. and SE. Thence over level
49.72
                land,
74.87
           Wash, 50 lks. wide, course S.
           The cor. of secs. 5, 6, 7 and 8. Land, level and rolling.
79.72
           Soil, rocky, 3rd rate.
           No timber.
           Undergrowth, cacti, palo verde, ocatilla and greasewood.
          N.0° 3' W., on a random line, bet. secs. 5 and 6.
Set temp. \( \frac{1}{4} \) sec. cor.
Intersect N. bdy. of Tp.,12 lks. E. of the cor. of secs.
5, 6, 31 and 32, which is a stone, established by J. M.
40.00
80.06
               M., as described in Book "A"
           Thence I run
           S.0° 8' E., on a true line, bet. secs. 5 and 6.
          Over mountainous land, through scattering undergrowth.
          Asc. NW. slope, 50 ft. to
Spur, slopes SW. Desc. S. slope, 115 ft. to
 4.96
          Draw, course SE. Asc. N. slope, 80 ft. to Spur, slopes SE. Desc. S. slope, 290 ft. to Foot of desc.; brs. E. and W. Thence over level land.
11.16
18.66
39.06
          Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
40.06
               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, l^{\frac{1}{2}} ft. high,
               W. of cor. Pits impracticable.
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32. Subdivision of T. 13 N., R. 18 W.

Chains 45.06 74.86

80.06

Wash, 40 lks. wide, course SW. Wash, 20 lks. wide, course SW. The cor. of secs. 5, 6, 7 and 8. Land, level and mountainous. Soil, rocky, 3rd rate. No timber.

Undergrowth, cacti, palo verde, greasewood and ocatilla.

A. S.

Mar. 16, 1915.

General Description.

The land in this Tp. is principally rough and mountainous; the soil is very rocky and is unfit for agricultural purposes.

U. S. M. M. No. 2825 is located in Sec. 17. The Manitowoc group of patented claims is located in secs. 16 and 17.

There are no settlers in this Tp. There are considerable indications of mineral in Secs. 16 and 17.

U. D. Translunal.

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

FINAL OATH OF UNITED STATES SURVEYOR.

| \ | U. S. Surveyor, do solemnly swear that, in pursuance |
|---------------------------------|--|
| \ | from the U. S. Surveyor General for |
| • | day of, 191 , I have well, faithfully, and truly, |
| | d in strict conformity with said instructions, the Manual of Surveying |
| | he United States, surveyed all those parts or portions of |
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| | |
| Meridia | in, in the State of, which are represented in |
| the foregoing field notes as ha | aving been executed by me, and under my direction; and I do further |
| solemnly swear that all the con | ners of said survey have been established and perpetuated in strict accord- |
| ance with the Manual of Surve | ying 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) |
| • / | , 191 |
| uay or | , 101 |
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| SEAL | |
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| | |
| • | APPROVAL. |
| | 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 |
| ••••• | |
| <u>Pov</u> | waship 13 North, Range 18 West, |
| | |
| of the Gila and S | 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 r | necessary corrections and explanations made, the said field notes, and the |
| surveys they describe, are here | eby approved. |
| | Essay Color |
| | Surveyor General. of Arizona. |
| -Leastify that the foregain | g transgript of the field notes of the above described surveys in |

, has been correctly copied from the original notes on file