4--679

BOOK "K" FIELD NOTES

OF THE SURVEY OF THE

	Completion of the Subdivision Lines of
	Township 15 North - Range 13 West
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*******	·
	·
	
	Of the Gila & Salt River Base & Meridian,
In the St	tate ofArizona
	EXECUTED BY
·····	Hans D. Voigt, U.S. Transitman
	and
	Carl Dyson, U.S. Transitman
	pacity of U.S. Surveyor, under instructions dated $Dec.~28$, 1912
	y the United States Surveyor General to govern surveys included to A.L., which were approved by the Commissioner of the General Lan
	Jan. 22, 1915.
	Survey commenced April 10, 1915.
	Survey completed May 9, 1915.

Book K.

BOOK 2922

INDEX DIAGRAM.

(4)	Town	nship -		5 Nor	th,		Range	13 We	st	
	6	27	5	18	4	1 2	8	9		
4	26		26		18		12			•
	7	25	8	17	9	11	10	in the second	15	West
	25		24		17		10			2
ij	18	23	17	16	16	10	15	14	18	ridia
1	23		22	•	16		9			1
	19	22	20	15	21	9	22	28	24	Guide Meridian West
1	21		21		15		8	5	A. C.	9
	30	20	29	14	28	7	27	5 26	25	3rd
₹ -	20		2	0	14		7	4	2	1
	81	1 ,9	32	13	88	6	34	3 35	1 36	
							A.			

Notes in Book "A" Surveyed lines.

1 b

Survey commenced Apr. 10, 1915, and executed jointly by Hans D. Voigt, and Carl Dyson, U. S. Transitmen, with Young and Sons light mountain transits Nos. 8297 and 8539, respectively, with Smith solar attachments. The horizontal limb of each transit is provided with two double verniers, placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

These instruments were approved Apr. 1, 1915, by the Assistant Supervisor of Surveys for Arizona and California, conditional on satisfactory field performance.

In the following field notes, the initials H. D. V. and C. D. refer to Hans D. Voigt, and Carl Dyson, U. S. Transitmen, respectively.

We examine the adjustments of the transits, and find them satisfactory; then to test the solar apparatus, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian established by observations on Polaris, we proceed as follows:-

At the camp of Irving W. Stoddard, U. S. Surveyor, in sec. 14, T. 13 N., R. 13 W., in lat. 34° 28' N., long. 113° 34½' W., at 8 hrs. 3 m., a.m., l.m.t., by our watches, which are set to correct local mean time, we set off 34° 28' N. on the lat. arcs; 7° 43½' N. on the decl. arcs; and determine a meridian with each solar. The lines thus determined coincide with the meridians determined by Irving W. Stoddard, U. S. Surveyor, and R. D. Armstrong, U. S. Transitman, from observations on Polaris at elongation.

At apparent noon, we set of: 7° $46\frac{1}{2}$! N. on each decl. arc;

and observe the sun on the meridian; the resulting lat. by each solar is 34° 28' N.

At 4 hrs. 0 m., p.m., 1.m.t., we set off 34° 28' N. on the lat. arcs; 7° 50½' N. on the decl. arcs; and determine a meridian with each solar. The lines thus determined coincide with the meridian determined by observations on Polaris at elongation.

The solar apparati, by p.m. and a.m. observations define positions for meridians which coincide with the true meridian established by observations on Polaris; therefore we conclude that they are in satisfactory adjustment.

In this and the following Tps. of this group, slope measurements were made, slope angles read with the clinometer, and the correct horizontal distance computed for each item of topography.

H. D. V. and C. D. Apr. 10, 1915.

Apr. 15, 1915: C. D.

At 8 hrs. 53 m., a.m., l.m.t., I set off 34° 35½' N. on the lat. arc; 9° 33½' N. on the decl. arc; and determine a meridian with the solar at the witness cor. to mine a meridian with the solar at the witness cor. to cor. of secs., 1, 2, 35 and 36, which is an iron post, established by H. D. V., 40 lks. E. of the true point for cor. of secs. 1, 2, 35 and 36.described in Book"A" Cliffs along the west slope of hill, prevent my running north on the sec. line from the true point for cor. of secs. 1, 2, 35 and 36. Therefore I offset West 3.78 chs., to a point 3.38 chs. W. of the true point for cor. of secs. 1, 2, 35 and 36, and run N.0° 1' W., on offset line, through sec. 35. Along bed of Big Sandy River.

Along bed of Big Sandy River.

Leave river bed. Left bank of Big Sandy River brs. NW. and SE. Enter scattering undergrowth. Asc. 45 ft. to I offset East, 3.38 chs., to the true point for $\frac{1}{4}$ sec.

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

ground, for \(\frac{1}{4} \) sec. cor., marked on brass cap 1915 on S. rim; \(\frac{1}{3} \) \(\frac{1}{4} \) in W. and

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Partial Subdivision of T. 15 N., R. 13 W.
Chains.
                                      S36 in E. half;
                 and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
                 W. of cor. Pits impracticable.
            A rock, marked X BO 36 brs. N. 10° E., 6 lks. dist.
            From the \(\frac{1}{4}\) sec. cor., I run
N.0° 1' W., bet. secs. 35 and 36.
Desc. 50 ft. to
           Canyon, course S.75° W. Thence over bench land.
48.10
           Wash, course S. 70° W. Asc. 30 ft. to
56.80
          Desc. 35 ft.
Road, brs. SW. to Signal, and NE. to Kingman.
Left bank of Big Sandy River, brs. E. and W. Thence across
69.00
73.50
73.50
                 river.
           Center of river bed. Stream of water, 14 lks. wide, 4 ins.
75.00
                 deep, course W.
           Right bank of river, brs. E. and W. Thence over level
76.70
                 land.
77.20
           Fence brs. E. and W. Enter cultivated field, belonging to
                 J. E. Saunders.
            Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on
、80.00
                 brass cap
                                      1915 on S. rim;
                                      Ti5N R13W in N. half;
                                      S26 in NW.,
                                      S25 in NE.,
                                      S36 in SE. and
                 S35 in SW. quadrant; dig pits, 18 X 18 X 12 ins., in each sec., 5\frac{1}{2} ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high,
                 W. of cor.
            Land, level and mountainous.
             Soil, rocky, 3rd and 4th rate.
             No timber.
             Undergrowth, scrub cedar, mesquite and cacti.
            East on a random line, bet. secs. 25 and 36. Set temp. \(\frac{1}{4}\) sec. cor. Intersect the 3rd Guide Meridian West, 8 lks. N. of the
  40.00
√80.14
                 cor. of secs. 25, 30, 31 and 36, which is an iron post, properly set, marked and witnessed as described
                 by the Surveyor-General.
             Thence I run
             N.89° 57' W., on a true line, bet. secs. 25 and 36.
             Over mountainous land, through scattering undergrowth.
           Asc. 35 ft. to
Ridge, brs. N. and S. Desc. W. slope, 215 ft. to
Left bank of Big Sandy River, brs. NE. and SW. Thence
    4.65
  16.55
                  across river.
             Right bank of Beg Sandy River, brs. NE. and Sw. Asc. 140
                  ft.
  19.85 Road, brs. SW. tolSignal, and NW. to Kingman.
22.15 Point of spur, brs. S. Desc. 20 ft. to
26.35 Right bank of Big Sandy River, brs. NW. and SE. Thence
                  across river.
            Road crosses river, brs. NW. and SE. Left bank of river, brs. NW. and SE. Asc. to Spur, brs. N. Desc. 65 ft.
  27.45
  29.55
37.65
            Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \frac{1}{4} sec. cor., marked on brass cap

1915 on S. rim;

\frac{1}{4}S25 in N. and

S36 in S. half;

and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
 40.07
            N. of cor. Pits impracticable.
Road, brs. SW. to Signal, and NE. to Kingman.
Left bank of Big Sandy River, brs. NE. and SW. Thence
  44.65
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Partial Subdivison of T. 15 N., R. 13 W.
                  across river.
50.25
57.85
59.00
            Right bank of river, brs. NE. and SW.
            Wash, course SE. Asc. 75 ft. to
            Thence over level land
             Je E. Saunder's house brs. North 75. 1ks. dist. Desc. 65
 74.51
                 ft. to
            The cor. of secs. 25, 26, 35 and 36.
√80.14
            Land, level and mountainous.
Soil, rocky, 3rd and 4th rate.
No timber.
             Undergrowth, greasewood, mesquite and cacti.
             Apr.15, 1915: At this cor., I set off 9° 36' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 36½' N.
             N.0° 1' W., on a random line, bet. secs. 25 and 26. Set temp. 4 sec. cor. Intersect the S. bdy. of sec. 24, 6 lks. E. of the cor.
 40.00
.80.06
                  of secs. 23, 24, 25 and 26, which is an iron post, properly set, marked and witnessed as described by the
                  Surveyor-General.
             Thence I run
             S.0° 4' E., on a true line, bet. secs. 25 and 26.
             Over mountainous land, through scattering undergrowth.
            Desc. 70 ft. to
Wash, course E. Asc. 120 ft. to
Ridge, brs. E. and W. Desc. 75 ft. to
Wash, course E. Asc. 30 ft. to
Point of spur, brs. E. Desc. 60 ft. to
Wash, course E. Asc. 30 ft. to
Desc. 50 ft. to
   4.05
 11.45
16.55
22.05
 24.05
  35 • 55 |
             Wash, course E. Asc. NE. slope, 70 ft.
Set an iron post, 3 ft. long, 1 in.diam., 10 ins. in the ground, supported by a mound of stone, 3 ft. base, for
40.03
                  \frac{1}{4} sec. cor., marked on brass cap.
                  1915 on S. rim;
$26 \frac{1}{4} in W. and
$25 in E. half;
and raise a mound of stone, 2 ft. base, late ft. high,
                  W. of cor. Pits impracticable.
             Ridge, brs. NW. and SE. Desc. SW. slope, 360 ft. to. The cor. of secs. 25, 26, 35 and 36.
51.85
80.06
             Land, mountainous.
             Soil, rocky, 4th rate.
             No timber.
             Undergrowth, scattering greasewood and mesquite.
                                                                                  C. D.
                                                                             Apr. 15, 1915.
             Apr. 15, 1915: H. D. V.
            At 9 hrs. 5 m., a.m., l.m.t., I set off 34° 35½' N. on the lat. arc; 9° 33½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3,
                   34 and 35, on the S. bdy. of the Tp., which is an
                   iron post, established by me, as described in Book
                   ^{n}\mathbb{A}^{n}
              Thence I run
             N.0° 1' W., bet. secs. 34 and 35.
Over mountainous land, through scattering undergrowth.
              Asc. 105 ft. to
             Ridge, brs. E. and W. Desc. NW. slope, 360 ft. to Gulch, 1 ch. wide, course E. Asc. SE. slope, 155 ft. to Point of spur, brs. E. Desc. rocky NE. slope, 130 ft. to
    6.68
  21.63
  29.26
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Enter gulch, course SE.

Soil, rocky, 3rd and 4th rate.

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Partial Subdivision of T. 15 N., R. 13 W.
Christians
                   No timber.
                   Undergrowth, greasewood, palo verde, ocatilla and scrub
                         cedar.
                   Apr. 16, 1915: At this cor., I set off 9° 57½' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 37½' N.
                  N.O° 1' W., on a random line, bet. secs. 22 and 23.
Set temp. ½ sec. cor.
Intersect the S. bdy. of sec. 14, 12 lks. E. of the cor.
of secs. 14, 15, 22 and 23, which is an iron post,
properly set, marked and witnessed as described by the
   40.00
 00.08
                         Surveyor-General.
                  Thence I run
                  S.0° 6' E., on a true line, bets secs. 22 and 23. Over mountainous land, through scattering undergrowth.
                  Asc. 25 ft. to
                  Spur, brs. E. Old tunnel, 50 ft. deep, brs. E. 4 chs.
                         dist. Some indication of copper.
                                                                                                   Desc. 95 ft. to
                 Head of gulch, course E. Asc. slightly to

Point of spur, brs. E. Desc. 15 ft. to

Head of gulch, course E. Asc. 55 ft. to

Spur, brs. NW. and S. 70° E. Desc. 65 ft. to

Spur, brs. N. 70° W. and S. 70° E. Desc. 15 ft. to

Head of gulch, course SE. Asc. 80 ft. to

Spur, brs. N. 70° W. and S. 70° E. Desc. 15 ft. to

Head of gulch, course SE. Asc. 85 ft.

Set an iron post, 3 ft. long, 1 in. diam., 81 instin ground, supported by mound of stone, 4 ft. base, for $\frac{1}{4}$ sec.cor., marked on brass capen 1915 for S. rim
   7.25
10.25
14.15
   17.25
   27.18
   33.06
35.65
 40.00
                      marked on brass capen1915 ron S. rim
                         $22\frac{1}{2}$ in W. and $23$ in E. half; and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
                         W. of cor. Pits impracticable.
                  Point of spur, brs. E. Desc. 210 ft.

Head of gulch, course SE. Continue desc. to

Head of draw, course E. Asc. 45 ft. to

Low spur, brs. E. Desc. slightly to

Gulch, 40 lks. wide, course E. Asc. 20 ft. to

The cor. of secs. 22, 23, 26 and 27.
   44.27
   58.05
   65.10
   71.00
74.50
                  Land, mountainous.
                  Soil, rocky;4th rate.
                  No timber
                  Undergrowth, greasewood, ocatille and palo verde.
                                                                                                             H. D. V.
                                                                                                        Apr. 16, 1915.
                  Apr. 16, 1915: C. D. At 8 hrs. 4 m., a.m., l.m.t., I set off 34° 35½' N. on the lat. arc; 9° 54' N. on the decl. arc; and determine
                         a meridian with the solar at the cor. of secs. 3, 4,
                         33 and 34, on the S. bdy. of the Tp., which is an iron
                  post, established by H. D. V., as described in Book "A". Thence I run
                  N.0° 2' W., bet. secs. 33 and 34.
Over mountainous land, through scattering undergrowth.
                 Asc. SW. slope, 115 ft. to.
Ridge, brs. NW. and SE. Desc. NE. slope, 135 ft. to
Wash, 30 lks. wide, course SE. Asc. S. slope, 115 ft. to
Ridge, brs. NE. and SW. Desc. N. slope, 130 ft. to
Center of wash, 4 chs. wide, course E. Asc. S. slope,
   6.78
16.51
26.35
   35.08
                         100 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;

\[ \frac{33}{4} \] in \( \text{W}. \) and

\[ \frac{334}{4} \] in \( \text{P}. \) helf:
 40.00
                                                      S34 in E. half;
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Partial Subdivision of T. 15 N., R. 13 W.
Chains.
                   and raise a mound of stone, 2 ft. base, 1 ft. high,
                   W. of cor. Pits impracticable.
  44.85
              Spur, brs. E. Desc. H. slope, 165 ft. to
             Center of draw, course E. Asc. S. slope, 195 ft. to
Ridge, brs. E. and W. Desc. N. slope, 255 ft. to
Wash, 15 lks. wide, course NE. Asc. to
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of seas. 27, 28, 33 and 34, marked on
 54.57
69.02
79.70
                                                                                       24 ins. in the
                  brass cap
                                        1915 on S. rim;
T15N R13W-in N. half;
                                        S28 in NW.,
                                        S27 in NE.,
                                        S34 in SE. and
                                        S33 in SW. quadrant;
                  and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
                  W. of cor. Pits impracticable.
             Land, mountainous.
             Soil, gravelly and rocky, 3rd rate.
             No timber.
             Undergrowth, palo verde, ocatilla and scrub cedar.

Apr. 16, 1915: At this cor., I set off 9° 57½' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 36½' N.
             East on a random line, bet. secs. 27 and 34.
             Set temp. \frac{1}{4} sec. cor. Intersect N. and S. line, 14 lks. S. of the cor. of secs.
  40.00
×80.03
             26, 27, 34 and 35. Thence I run
             S.89° 54' W., on a true line, bet. secs. 27 and 34.
             Over mountainous land, through scattering undergrowth.
             Asc. 105 ft. to
 7.05
10.45
            Desc. 55 ft. to Wash, 15 lks. wide, course SE. Asc. 120 ft. to
             Desc. 85 ft. to
 20.30
 30.22
37.14
            Asc. 50 ft. to
            Spur, extends 5. chs. S. Desc. 45 ft. to
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for \(\frac{1}{4}\) sec. cor., marked on brass cap

1915 on S. rim;
\(\frac{1}{4}\)S27 in N. and
√40.01늵
                                       S34 in S. half;
                  and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
                 N. of cor. Pits impracticable.
            Asc. SE. slope 85 ft. to
 47.90
48.70
             Spur, extends 6. chs. S. Desc. 150 ft. to
            Wash, in canyon, course S. Asc. 190 ft. to
Spur, extends 7 chs. S. Desc. Sw. slope, 45 ft.
Wash, 8 lks. wide, course SE. Asc. E. slope, 45 ft. to
Spur, extends N. 150 lks. Desc. W. slope, 25 ft. to
 57.15
67.10
 72.00
75.00
180.03
            Thence along rocky bottom of wash to The cor. of secs. 20, 28,33 and 34.
            Land, mountainous.
            Soil, rocky, 4th rate.
            No timber.
            Undergrowth, greasewood, palo verde and scrub cedar.
                                                                            Apr. 16, 1915.
            Apr. 17, 1915: At 8 hrs. 4 m., a.m., l.m.t., I set off 34^{\circ} 36^{\frac{1}{2}}! N. on the lat. arc; 10^{\circ} 15^{\frac{1}{2}}! N. on the decl. arc; and determine a meridian with the solar at the
                 cor. of secs. 27, 28, 33 and 34.
            Thence I run
```

N.0° 2' W., bet. secs. 27 and 28.

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8
                         Partial Subdivision of T. 15 N., R. 13 W.
                 Over mountainous land, through scattering undergrowth.
                 Wash, 15 lks. wide, course SE. Asc. 165 ft. to Ridge, brs. NW. and SE. Desc. NE. slope, 50 ft. to Wash, 6 lks. wide, course SE. Asc. S. slope, 85 ft. to Point of spur, extends SE. Asc. slightly, along E. slope
          .10
      11.20
      14.61
      19.50
                 Desc. NE. slope, 210 ft. to
       22.50
                 Wash, 5 lks. wide, course NE. Asc. along E. slope. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \( \frac{1}{4} \) sec. cor., marked on brass cap
       36.20
       40.00
                                         sec. cor., main 1915 on S. rim; s28 ¼ in W. and s27 in E. half; of stone, 2 ft. base, 1½ ft. high,
                      and raise a mound of stone,
                      W. of cor. Pits impracticable.
                 Desc. slightly to
                 Wash, 5 lks. wide, course SE. Asc. SE. slope, 370 ft. Asc. S. slope to
       44.00
       50.00
                 Besc. 50 ft. to
Asc. 110 ft. to
       60.00
       63.90
68.54
73.18
80.00
                 Desc. 130 ft. to
                 Wash, 4 lks. wide, course SE. Asc. 35 ft. to Spur, brs. NW. and SE.
                 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked on
                                                                                     24 ins. in the
                      brass cap
                                          1915 on S. rim;
                                          Tisn R13W in N. half;
                                          S21 in NW.,
                                          S22 in NE.,
                                          S27 in SE. and
                                           S28 in SW. quadrant;
                       and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
                       W. of cor. Pits impracticable.
                  Land, mountainous.
                  Soil,
                          rocky; 4th rate.
                  No timber.
                  Undergrowth, greasewood, palo verde, ocatille and scrub
                       cedar.
                  N.89° 54' E., on a random line, bet. secs. 22 and 27. Set temp. \(\frac{1}{4}\) sec. cor.

Intersect N. and S. line, 5 lks. N. of the cor. of se 22, 23, 26 and 27.
        40.00
                                                 line, 5 lks. N. of the cor. of secs.
       ,79.90
                  Thence I
                                run
                  S.89° 56' W., on a true line, bet. secs. 22 and 27.
                   Over mountainous land, through scattering undergrowth.
                  Desc. slightly to Wash, 10 lks. wide, course SE. Asc. 40 ft. to.
         .15
                  Desc. 45 ft. to
                   Wash, 20 lks. wide, course SE. Asc. 35 ft. to Thence over rolling land.
        10.05
        13.50
26.40
                   Wash, 8 lks. wide, course S. Asc. 70 ft. to Desc. 30 ft.
        34.90
                   Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
       1 39 • 95
                       ground, for \( \frac{1}{4} \) sec. cor., marked on brass cap 1915 on S. rim; \( \frac{1}{4} \) S22 in N. and
                                           S27 in S. half;
                       and raise a mound of stone, 2 ft. base, 12 ft. high,
                       N. of cor. Pits impracticable.
                   Apr. 17, 1915: At this cor., I set off 10,18½ N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 37½ N.
                   Asc. 35 ft. to
         46.10
                   Desc. 125 ft. to
        49.00
                   Wash, 8 lks. wide, course SE Asc. 275 ft. to The cor. of secs. 21, 22, 27 and 28.
         55.70
        79.90
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BOOK 2922

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10
                           Partial Subdivision of T. 15 N., R. 13 W.
   Chains.
                       and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
                       W. of cor. Pits impracticable.
                 Wash, course S. Asc. E. slope, 130 ft. to
Spur, extends S. Desc. 100 ft. to
Wash, 5 lks. wide, course S. Asc. E. slope, 175 ft. to
Spur, extends S. 8 chs. Desc. SW. slope, 100 ft. to
Wash, 8 lks. wide, course SE. Asc. E. slope, 125 ft. to
The cor. of secs. 15, 16, 21 and 22.
Land mountainous
     40.20
     51.35
57.80
65.32
72.85
     79.60
                  Land, mountainous. Soil, rocky, 4th rate.
                  No timber.
                  Apr. 22, 1915: At this cor., I set off 12° 2½' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 38½' N. C. D.
                  Undergrowth, greasewood, palo verde, ocatilla and cedar.
                                                                                       Apr. 22, 1915.
                  Apr. 23, 1915: H. D. V.
                 At 9 hrs. 4 m., a.m., l.m.t., I set off 34° 38½ N. on the lat. arc; 12° 20' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 15, 16,
                       21 and 22.
                  Thence I run
                 N.O° 2' W., bet. secs. 15 and 16.
                  Over mountainous land, through scattering undergrowth.
                  Desc. 115 ft. to
                 Gulch, 15 lks. wide, course S.80° E. Asc. 75 ft. to Spur, brs. SE. Desc. NE. slope, 75 ft. to Gulch, 10 lks. wide, course SE. Asc. 40 ft. to Spur, brs. E. Desc. NE. slope, 160 ft. to Chlab 10 lks. wide course F. Asc. SE. glope, 105
     5.47
13.53
16.86
                 Gulch, 10 lks. wide, course E. Asc. SE. slope, 105 ft. to Spur, brs. E. Desc. NE. slope, 240 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; \( S16 \) \( \frac{1}{4} \) in W. and \( S15 \) in E. half.
     30.99
38.37
   40.00
                       S15 in E. half; and raise a mound of stone, 2 ft. base, l\frac{1}{2} ft. high,
                       W. of cor. Pits impracticable.
                 Gulch, 40 lks. wide, course E. Asc. SE. slope, 150 ft. to Spur, brs. E. Desc. NW. slope, 130 ft. to Set an iron post, 3 ft. long, 2 ins. diam. 6 lnsiin.ground supported by mound of stone 4 ftsbase, for dorsof secs.
     56.59
67.45
    80.00
                     9;10;15 and 16;smarked on brass cap
                                               1915 on S. rim;
                                               Ti5N R13W in N. half;
                                               S9 in NW.,
                                               S10 in NE.
                                              S15 in SE. and
S16 in SW. quadrant;
                       and raise a mound of stone. 2 ft. base. 1\frac{1}{2} ft. high.
                       W. of cor. Pits impracticable.
                  Land, mountainous.
                  Soil, rocky; 4th rate.
                  No timber.
                  Undergrowth, greasewood, palo verde, ocatilla and scrub
                       cedar.
                  N.89° 55' E., on a random line, bet. secs. 10 and 15. Set temp. \(\frac{1}{4}\) sec. cor.
     40.00
                  Intersect N. and S. line, 21 lks. S. of the cor. of secs.
   179.79
                       10, 11, 14 and 15, which is an iron post, properly set
                       marked and witnessed as described by the Surveyor-
                       General.
                  Thence I run
                  S.89° 46! W., on a true line, bet. secs. 10 and 15.
                  Over mountainous land, through scattering undergrowth.
```

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11.
                    Partial Subdivision of T. 15 N., R. 13 W.
Chains.
                Asc. 65 ft. to
Desc. 240 ft. to
 7.10
37.80
                Gulch, 20 lks. wide, course SE. Asc. slightly to 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
√39°.89∄
                                                   1915 on S. rim;
                                                    \frac{1}{4}SlO in N. and
                                                   $15 in S. half;
                       and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
                       N. of cor. Pits impracticable.
                Desc. 35 ft. to Asc. 75 ft. to Desc. 20 ft. to
  44.40
  48.25
                 Asc. 25 ft. to
                Spur, brs. S. 30° E. Desc. SW. slope, 75 ft. to
Gulch, 10 lks. wide, course S. Asc. 40 ft. to
Spur, brs. S. Desc. SW. slope, 60 ft. to
Gulch, 20 lks. wide, course S. Asc. SE. slope, 80 ft. to
Spur, brs. S. Desc. SW. slope, 20 ft. to
Gulch, 10 lks. wide, course SE. Asc. 95 ft. to
The cor. of secs. 9, 10, 15 and 16.
 54.20
 60.30
  65.18
70.90
73.90
479.79
                 The cor. of secs. 9, 10, 15 and 16.
                Land, mountainous. Soil, rocky; 4th rate.
                 No timber.
                 Undergrowth, greasewood, palo verde, ocetille and scrub
                       cedar.
                 Apr. 23, 1915: At this cor., I set off 12° 22½' N. on the decl. arc; and at apparent noon, I observe the sun on
                       the meridian; the resulting lat. is 34° 39' N.v
                 N.0° 2' W., bet. secs. 9 and 10.
Over mountainous land, through scattering undergrowth.
                 Gulch, 20 lks. wide, course E. Asc. 75 ft. to
Spur, brs. E. Desc. N. slope, 75 ft. to
Gulch, 10 lks. wide, course E. Asc. SE. slope, 130 ft. to
       .70
    7.90
  12.15
                 Spur, brs. SE. Desc. NE. slope, 80 ft. to Gulch, 30 lks. wide, course E. Walls 30 ft. high. 60 ft. to
  21.02
  23.36
  24.95
25.45
26.70
                 Desc. 40 ft. to
                 Same gulch, course W.
                 Same gulch, course SE. Asc. SW. slope, 190 ft. to
Head of same gulch, course SW. Asc. SE. slope.
Set an iron post, 3 ft. long, 1 in. diam. 8 insiin.ground,
supportefdsbynmoundfof stone, 4 oft; base, forr 1, sacreon.,
  32.52
   40.00
                     markensen brass cap
                        1915 on S. rim;
S9 ½ in W. and
S10 in E. half;
and raise a mound of stone, 2 ft. base, 1½ ft. high.
                        W. of cor. Pits impracticable.
                 W. of cor. Pits impracticable.
Ridge, brs. E. and W. Desc. NE. slope, 75 ft. to
Head of gulch, 10 lks. wide, course E. Asc. 50 ft. to
Spur, brs. E. Desc. NW. slope, 140 ft. to
Gulch, 30 lks. wide, course NE. Asc. SE. slope, 20 ft. to
Point of spur, brs. E. Desc. N. slope, 50 ft. to
Gulch, 20 lks. wide, course SE. Asc. 50 ft. to
Spur, brs. E. Desc. NE. slope, 210 ft. to
Gulch, 10 lks. wide, course NE. Asc. SE. slope, 30 ft. to
Set an iron post, 3 ft. long, 2 ins. diam.6ins.insground,
supported by mound of.stone.40 ft.base.forcor.of.secs
   40.97
48.89
   52.30
   57.00
61.86
  64.43
67.28
   76.81
                      supported by mound of stone, 4 ft. base, for cor. of, sacs
                      394,91 and 10; marked on brass cap
                                                    1915 on S. rim;
T15N R13W in N. half;
                                                    S4 in NW.,
                                                    S3 in NE.,
                                                    SÍO in SE. and
                                                    S9 in SW. quadrant;
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	Partial Subdivision of T. 15 N. R. 13 W.	/
Chains	and raise a mound of stone, 2 ft. base, $l_{2}^{\frac{1}{2}}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky; 4th rate. No timber.	
	Undergrowth, greasewood, palo verde, ocatilla and scrub	
	cedar. Apr. 23, 1915.	
4.90 11.40	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 2, 3, 10 and 11, which is an iron post, properly set, marked and witnessed as described by the Surveyor-General. Thence I run S.89° 43' W., on a true line, bet. secs. 3 and 10. Over mountainous land, through scattering undergrowth. Asc. 50 ft., along N. slope, to Desc. 120 ft. to	
25.60	Desc. SW. slope, 20 ft. to Same gulch, 1 ch. wide, course SE. Asc. NE. slope, 140	O
139.93	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; \(\frac{1}{4}\)S3 in N. and \$10 in S. half;	
51:16 54:66 65:00 75:30 79:80	Asc. 75 ft. to Desc. 40 ft., along N. slope, to Same gulch, 10 lks. wide, course NE. Asc. 40 ft. to	
	cedar.	
40.00 80.3!		
11.2 22.4 40.3	S.0° 16' E., on a true line, bet. secs. 3 and 4. Over mountainous land, through scattering undergrowth. Asc. N. slope, 220 ft. Spur, brs. E. Desc. S. slope, 290 ft. to Gulch, 60 lks. wide, course E. Asc. N. slope, 375 ft.	

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Partial Subdivision of T. 15 N., R. 13 W.
Chains.
                                  1915 on S. rim;
S4 1/4 in W. and
S3 in E. half;
               and raise a mound of stone,
                                                       2 ft. base, 1\frac{1}{2} ft. high,
           W. of cor. Pits impracticable.

Apr. 24, 1915: At this cor., I set off 12° 42½' N. on the decl. arc; and at apparent noon, I observe the sun on
                the meridian; the resulting lat. is 34^{\circ} 40\frac{1}{2}' N."
 41.50
45.20
48.18
           Point of spur, brs. E. Desc. 30 ft. to
           Asc. 30 ft. to
Desc. SE. slope, 80 ft. to
           Gulch, 20 lks. wide, course NE. Asc. NW. slope, 290 ft. to Ridge, brs. NE. and SW. Desc. 25 ft. to
 56.63
 68.31
70.28
           Asc. 20 ft. to
74·27
80·35
           Point of spur, brs. E. Desc. S. slope, 135 ft. to
           The cor. of secs. 3, 4, 9 and 10.
           Land, mountainous.
           Soil, rocky; 4th rate.
           No timber.
           Undergrowth, greasewood, palo verde, ocetille and scrub
                cedar.
                                                                  Apr. 24,1915.
           Apr. 17, 1915: At 9 hrs. 55 m., a.m., 1.m.t., I set off. 34° 35½' N. on the lat. arc; 10° 17' N. on the decl.
                arc; and determine a meridian with the solar at the
                cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., which is an iron post, established by me, as
                described in Book "A".
           Thence I run
           N.0° 2' W., bet. secs. 32 and 33.
Over mountainous land, through scattering undergrowth.
           Asc. 40 ft. to
           Ridge, brs. E. and W. Desc. N. slope, 130 ft. to
   4.46
 11.28
           Head of gulch, course NE. Asc. slightly to
 14.70
           Thence along E. slope to
           Point of low spur, brs. E. Desc. 40 ft. to
Main draw, 1 ch. wide, course E. Asc. 180 ft. to
Point of spur, brs. S.70° E.
Set an iron post, 3 ft. long, 1 in. diam. 10 ins. imground, supplied of stone 4 ft. base for 4 second., marked on brass cap
 17.20
 20.35
40.00
                                  and raise a mound of stone,
                W. of cor. Pits impracticable.
           Desc. 200 ft. to
           Main draw, 1 ch. wide, course S.70° E. Asc. Spur, brs. NW. and S.70° E. Desc. 30 ft. to
                                                                    Asc. 540 ft. to
 49.63
           Set an iron post, 3 ft. long, 2 ins.diamel2ins.inground, supported by mound of stone, 4 ft.base, for cor. of secs. 28, 29,
                32 and 33, marked on brass cap
                                         on S. rim;
                                   1915
                                   T15N R13W 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, mountainous.
           Soil, rocky; 4th rate.
            No timber.
           Undergrowth, greasewood, palo verde, ocatilla and scrub
                cedar.
           Apr. 17, 1915: At this cor., I set off 10° 18\frac{1}{2}' N' on the
                decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34^{\circ} 36\frac{1}{2}! N.
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Partial Subdivision of T. 15 N., R. 13 W.
14
   Chains.
               East on a random line, bet. secs. 28 and 33.
               Set temp. \frac{1}{4} sec. cor. Intersect N. and S. line, 9 lks. N. of the cor. of secs.
    40.00
   179.96
               27, 28, 33 and 34. Thence I run
               N.89° 56' W., on a true line, bet. secs. 28 and 33.

Over mountainous land, through scattering undergrowth.

Along rocky bottom of wash.
    10.00
               Leave wash, comes from NW. Asc. NE. slope of ridge, 375 ft.
                    to
    26.00
               Thence along N. slope to
               Desc. NW. slope, 45 ft. to
Set an iron post, 3 ft. long, 1 in diam lains in ground, supported
by mound of stone 4 ft. base, fore 14 sec. cor., marked on brass cap
   33.22
139.98
                                        1915 on S. rim; 1828 in N. and
                    S33 in S. half; and raise a mound of stone, 2 ft. base, l\frac{1}{2} ft. high,
                    N. of cor. Pits impracticable.
               Asc. 220 ft. to
    67.60
68.70
               Desc. 20 ft. to
               Here of Gulch, course SE. Asc. 130 ft. to The cor. of secs. 28, 39, 32 and 33.
   : 79 .96
               Land, mountainous.
                Soil, rocky; 4th rate.
                No timber.
                Undergrowth, greasewood, palo verde, ocetille and scrub
                    cedar.
                                                                                 H. D. V.
                                                                            Apr. 17, 1915.
                Apr. 19, 1915: C. D.
                At 8 hrs. 3 m., a.m., 1.m.t., I set off 34° 36½' N. on the lat. arc; 10° 57½' N. on the decl. arc; and determine
                     a meridian with the solar at the cor. of secs. 28, 29,
                     32 and 33.
                Thence I run
                N.O° 2' W., bet. secs. 28 and 29.
                Over mountainous land, through scattering undergrowth.
               Asc. 30 ft. to
Desc. 40 ft. to
Wash, 6 lks. wide, course E.
Wash, 25 lks. wide, course SE. Asc. 625 ft.
      2.56
      6.43
9.18
                Impracticable to set an iron post at this point. Set a quartzite stone, 17 X 12 X 8 ins., 12 ins. in the ground, for \frac{1}{4} sec. cor., marked \frac{1}{4} on W. face; and raise a mound of stone, 2 ft. base, l_{2}^{\pm} ft. high, W. of cor.
    440.00
                Pits impracticable.

Point of Spur, extends SE. Desc. N. slope, 65 ft. to

Wash, in box canyon, 2 chs. wide, course E. Asc. 425 ft.
     47.83
     55.22
                     to
   70.93
77.13
80.00
                Point of spur, extends NE. Desc. 120 ft. to
                Wash, 6 lks. wide, course E. Asc. 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
                     brass cap
                                         1915 on S. rim;
                                         T15N R13W 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, 12 ft. high,
                     W. of cor. Pits impracticable.
                Land, mountainous.
                Soil, rocky; 4th rate.
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Partial Subdivision of T. 15 N., R. 13 W.
                                                                                                           15.
Chains.
             No timber.
             Undergrowth, greasewood, palo verde, ocatilla and scrub
                  cedar.
             Apr. 19, 1915: At this cor., I set off 11° \frac{1}{2}' N. on the
                  decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 37\frac{1}{2}! N. \vee
             S.89° 56' E., on a random line, bet. secs. 21 and 28.
             Set temp. \frac{1}{4} sec. cor. Intersect N. and S. line, 21 lks. N. of the cor. of secs.
 40.00
√80.18
             21, 22, 27 and 28.
Thence I run
N.89° 47' W., on a true line, bet. secs. 21 and 28.
              Over mountainousland, through scattering undergrowth.
             Desc. 25 ft. to
             Wash, 5 lks. wide, course S. Wash, 3 lks. wide, course S.70° E. Asc. 500 ft. to
   3.10
   7.20
,35.00
40.09
              Thence along S. slope to
             Set a quartzite stone, 18 X 12 X 5 ins., 12 ins. in the ground, for \frac{1}{4} sec. cor., marked \frac{1}{4} on N. face; and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, N. of cor.
                   Pits impracticable.
             Desc. to
Wash, 6 lks. wide, course S. Asc. 25 ft. to
Desc. 25 ft. to
Wash, 6 lks. wide, course S.
Wash 10 lks. wide course S.
 41.37
44.77
47.20
             Wash, 10 lks. wide, course S. Asc. 645 ft. to Spur, brs. S. Desc. W. slope to
 49 • 50
77 • 50
79 • 50
80 • 18
              Wash, 10 1ks; wide; conrect Land 29.
             The cornect secsus 20, 21, 28 and 29.
              Sand, mountainbuscatSoil, rocky, 4th rate.
             No timber.
             Undergrowth, greasewood, palo verde, ocatilla and scrub
                   cedar.
                                                                                 Apr. 19, 1915.
             Apr. 21, 1915: At 8 hrs. 4 m., a.m., l.m.t., I set off 34° 37\frac{1}{2}' N. on the lat. arc; ll° 39. N. on the decl. arc; and determine a meridian with the solar at the cor. of
              secs. 20, 21, 28 and 29. Thence I run
             N.O° 2' W., bet. secs. 20 and 21.
              Over mountainous land, through scattering undergrowth.
             Wash, 10 lks. wide, course SE. Asc. 85 ft. to Small hill, brs. E. and W. Desc. N. slope, 160 ft. to Wash, 8 lks. wide, course NE. Asc. SE. slope, 55 ft. to Spur, extends NE. Desc. NW. slope, 490 ft. to
   4.00
 15.80
20.47
  35.00
40.00
              Wash, 8 lks. wide, course NE.
              Set a quartzite stone, 28 X 14 X 5 ins., 21 ins. in the ground, for \frac{1}{4} sec. cor., marked \frac{1}{4} on W. face; and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, W. of cor.
                   Pits impracticable.
             Wash, 6 lks. wide, course E. Wash, 5 lks. wide, course SE. Asc. 70 ft. to Spur, extends E. Desc. N. slope, 270 ft. Desc. NW. slope to
  42.14
  46.00
 54.00
65.00
              Wash, 10 lks. wide, course N.5° W. Asc. 15 ft. to Spur, extends 2 chs. NW. Desc. NE. slope, 90 ft. to
  75.00
76.00
             Wash, 10 lks. wide, course N. 10° E.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, marked on
  79.50
80.00
                                                                                          24 ins. in the
                   brass cap
                                          1915 on S. rim;
                                          Tĺ5N Rl3W in N. half;
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Chains. S17 in NW., S16 in NE., S21 in SE. and S20 in SW. quadrant; and raise a mound of stone, 2 ft. base, $l^{\frac{1}{2}}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocetille and scrub cedar. Apr. 21, 1915: At this cor., I set off ll° 42' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 38½' N. S.89° 47' E., on a random line, bet. secs. 16 and 21. 40.00 Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 21 lks. S. of the cor. of secs. 179.98 15, 16, 21 and 22. Thence I run N.89° 56' W., on a true line, bet. secs. 16 and 21. Over mountainous land, through scattering undergrowth. Wash, 8 lks. wide, course NE. Asc. 115 ft. to 10.80 Desc. 30 ft. to
Wash, 7 lks. wide, course NE. Asc. 215 ft. to
Low ridge, brs. NE. and SW. Desc. to
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the 17.60 22.50 √39.99 ground, for \$\frac{1}{4}\$ sec. cor., marked on brass cap

1915 on S. rim;

\$\frac{1}{4}\$S16 in N. and

\$21 in S. half; and raise a mound of stone, 2 ft. base, $l_2^{\frac{1}{2}}$ ft. high, N. of cor. Pits impracticable. Wash, course N. Asc. 25 ft. to Desc. 20 ft. to Wash, 3 lks. wide, course N. 47.50 49.80 Asc. 70 ft. to 52.00 Spur, extends N. Desc. W. slope, 130 ft. to 57.70 Wash, 6 lks. wide, course NE. Asc. E. slope, 95 ft. to Spur, brs. N. Desc. 75 ft. to
Wash, 4 lks. wide, course N.10° E. Asc. 20 it. to
Wash, 210 lks. wide, course N.240° E. Asc.
The door confesces 16, 17, 20 and 21.
Torid mounts industrishing rescale rocky: 4th rate 64.00 70.00 75.00 **79.00** 79.98 Band, mountainous radoil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocetille and scrub oedar. Apr. 21, 1915. Apr. 23, 1915: At 8 hrs. 0 m., a.m., 1.m.t., I set off 34° 38½' N. on the lat. arc; 12° 19½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 16, 17, 20 and 21.

Thence I run N.O° 2' W., bet. secs. 16 and 17. Over mountainous land, through scattering undergrowth. Desc. 60 ft. to
Wash, 50 lks. wide, course E. Asc. S. slope, 250 ft. to
Ridge, brs. E. and W. Desc. N. slope, 170 ft. to 10.95 Foot of desc.; thence over rolling basin. 38.00 Point for $\frac{1}{4}$ sec. cor. falls on rock in place, 6 X 5 X 3 40.00 ft. above ground. Marka cross at the exact cor. point, with 4 W. of same, and raise a mound of stone, 2 ft. base, 12 ft. high, 5 ft. W. of cor. Pits impracticable.

Partial Subdivision of T. 15 N. R. 13 W

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Partial Subdivision of T. 15 N., R. 13 W.
Chains.
           Wash, 8 lks. wide, course E.
Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground, supported by a mound of stone, for cor. of secs.
 66.88
 80.00
                8, 9, 16 and 17, marked on brass cap
                                   1915 on S. rim;
T15N R13W 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, mountainous.
            Soil, rocky; 4th rate.
           No timber.
            Undergrowth, greasewood, palo verde, ocetille and scrub
                cedar.
            Apr. 23, 1915: IAt this cor., I set off 12° 22\frac{1}{8}' N. on the
                decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 39' N.
            S.89° 56' E., on a random line, bet. secs. 9 and 16. Set temp. \(\frac{1}{4}\) sec. cor. Intersect N. and S. line, 4 lks. S. of the cor. of secs.
  40.00
00.08 v
                9, 10, 15 and 16.
            Thence I run
            N.89° 58' W., on a true line, bet. secs. 9 and 16.
            Over mountainous land, through scattering undergrowth.
            Desc. to
            Wash, 10 lks. wide, course NE. Asc. 345 ft. to
   4.40
  39.00
            Desc. to
            Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 4 sec. cor., marked on brass cap
140.00
                                    1915 on S. rim;
                                     \frac{1}{4}S9 in N. and
                S16 in S. half; and raise a mound of stone, 2 ft. base, l\frac{1}{2} ft. high, N. of cor. Pits impracticable.
 40.34
44.50
52.00
            Head of wash, course SE. Asc. 60 ft.to
            Thence over rolling basin.
            Asc. 50 ft. to
            Thence over rolling basin.
The cor. of secs. 8, 9, 16 and 17.
   7.00
 √80.00
            Land, rolling and mountainous.
            Soil, rocky, 4th rate.
            No timber.
            Undergrowth, greasewood, palo verde, ocatilla and scrub
                 cedar.
                                                                      Apr. 23, 1915.
            Apr. 24, 1915: At 7 hrs. 30 m., a.m., l.m.t., I set off 34° 39' N. on the lat. arc; 12° 39½' N. on the decl.
                 arc; and determine a meridian with the solar at the
             cor. of secs. 8, 9, 16 and 17. Thence I run
             N.0° 2' W., bet. secs. 8 and 9.
             Over mountainous land, through scattering undergrowth. Asc. S. slope, 240 ft. to
            Top of hill, brs. NE. and SW. Desc. NW. slope, 235 ft. to Wash, 4 Iks. wide, course W. Asc. SW. slope, 195 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;

\[ 88 \frac{1}{4} \] in W. and
\[ 90 \] in F. helf.
  15.00
32.84
  40.00
                                     S9 in E. half;
                 and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
                 W. of cor. Pits impracticable.
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Partial Subdivision of T. 15 N., R. 13 W.
Chains.
  47.00
58.00
            Desc. along W. slope of hill, 645 ft.
            Desc. N. slope, over low rock cliffs.
Stream, 3 lks. wide, in center of draw, course N.15° E.
 69.53
            Thence along E. slope to
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked on
  80.00
                 brass cap
                                      1915 on S. rim;
T15N R13W 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, mountainous.
             Soil, rocky, 3rd and 4th rate.
            No timber.
             Undergrowth, greasewood, palo verde, ocatilla and scrub
                 cedar.
             Apr. 24, 1915: At this cor., I set off 12° 42½' N. on the
                 decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 40' N. V
             S.89° 58' E., on a random line, bet. secs. 4 and 9.
            Set temp. \frac{1}{4} sec. cor. Intersect N. and S. line, 14 lks. S. of the cor. of secs.
40.00
            3, 4, 9 and 10. Thence I run
            S.89° 56' W., on a true line, bet. secs. 4 and 9.
            Over mountainous land, through scattering undergrowth. Asc. E. slope, 120 ft. to Asc. SE. slope, 165 ft. to
 5.10
27.75
            Desc. SW. slope, 195 ft.
            Set a quartzite stone, 24 X 16 X 16 ins., 18 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.
40.05
            Pits impracticable.
Wash, 8 lks. wide, course NW. Asc. E. slope to
  45.10
  46.70
            Spur, extends N. Desc. 230 ft. to
            Wash, course N. Asc. 70 ft. to
Thence along broken N. slope to
Spur, extends 1 ch. N. Desc. W. slope, 70 ft. to
 57.60
 65.30
77.30
78.70
            Stream in center of draw, course NE. Asc. 35 ft. to The cor. of secs. 4, 5, 8 and 9.
480.10
            Land, mountainous. Soil, rocky; 4th rate.
            No timber.
            Undergrowth, greasewood, palo verde, ocatilla; and scrub
                 cedar.
                                                                        Apr. 24, 1915.
            May 8, 1915: At 8 hrs. 32 m., a.m., l.m.t., I set off 34° 40' N. on the lat. arc; 16° 55½ N. on the decl. arc; and determine a meridian with the solar at the cor. of
            secs. 4, 5, 8 and 9. Thence I run
            N.0° 2' W., on a random line, bet. secs. 4 and 5.
Set temp. ½ sec. cor.
Intersect N. bdy. of Tp., 42 lks. E. of the cor. of secs.
4, 5, 32 and 33, which is an iron post, established by
40.00
                 me, as described in Book "A".
            Thence I run
S.O° 20' E., on a true line, bet. secs. 4 and 5.
            Over mountainous land, through scattering undergrowth.
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Partial Subdivision of T. 15 N., R. 13 W.
Chains.
              Desc. 135 ft. to
              Enter wash, course E.
 10.00
              Leave wash, course E. Asc. 410 ft.
 16.00
              Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \frac{1}{4} sec. cor., marked on brass cap

1915 on S. rim;

S5 \frac{1}{4} in W. and
140.50
                                           S4 in E. half;
                   and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
              W. of cor. Pits impracticable. May 8, 1915: At this cor., I set off 16° 57\frac{1}{2}' N. on the
              decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 40½! N. V. Ridge, brs. NE. and SW. Desc. SE. slope, 70 ft. to Draw, course NE. Asc. 35 ft. to

Spur, extends NE. Desc. SE. slope, 220 ft. to
 60.80
 66.70
70.50
80.50
              The cor. of secs. 4, 5, 8 and 9.
              Land, mountainous.
              Soil, crocky; 4th rate.
              No timber.
              Undergrowth, greasewood, palo verde, ocetille and scrub
                    cedar.
                                                                                   May 8, 1915.
                                                                                           C. D.
              Apr. 19, 1915: At 9 hrs. 58 m., a.m., l.m.t., I set off 34° 35½' N. on the lat. arc; 10° 59' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., which is an iron post, established by me, as
                    described in Book "A".
              Thence I run
              N.0° 3' W., bet. secs. 31 and 32.
              Over rolling mesa, through scattering undergrowth.
              Head of gulch, course E. Asc. 65 ft. to

Spur, brs. E. Desc. 55 ft. to

Set a granite stone, 18 X 14 X 7 ins., 12 ins. in the

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

raise a mound of stone, 2 ft. base, \(\frac{1}{2}\) ft. high,
  27.48
  33.40
  40.00
              Gulch, course SE. Asc. 195 ft. to Ridge, brs. NW. and SE. Desc. 145 ft. to Gulch, 15 lks. wide, course SE. Asc. 20 ft. to Desc. to
                    W. of cor. Pits impracticable.
 40.92
58.95
 72.49
74.50
75.55
80.00
              Same gulch, course SW. Asc. slightly to
              Set a granite stone, 32 X 13 X 9 ins., 24 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked with 5 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, rolling and mountainous.
              Soil, rocky; 4th rate.
              No timber.
              Undergrowth, greasewood, palo verde, ocetille and scrub
                    cedar.
              Apr. 19, 1915: At this cor., I set off 11° 2' N. on the
                    decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 36½' N.V.
H. D. V.
                                                                                   Apr. 19, 1915.
              Apr. 20, 1915: At 8 hrs. 4 m., a.m., l.m.t., I set off 34 36\frac{1}{2}! N. on the lat. arc; ll° 18\frac{1}{2}! N. on the decl. arc;
                    and determine a meridian with the solar at the cor. of
```

secs. 29, 30, 31 and 32. Thence I run

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Partial Subdivision of T. 15 N., R. 13 W.
Chains.
                        East on a random line, bet. secs. 29 and 32.
   40.00
                        Set temp. 4 sec. cor.
√80.09
                        Intersect N. and S. line, 7 lks. S. of the cor. of secs.
                        28, 29, 32 and 33. Thence I run
                        S.89° 57' W., on a true line, bet. secs. 29 and 32.

Over mountainous land, through scattering undergrowth.
                       Asc. E. slope, 50 ft., over large granite boulders, to Desc. W. slope, 245 ft. to Center of rocky canyon, 4 chs. wide, course SW. Asc. 40 ft.
  5.00
20.60
  26.10
                       Desc. 25 ft. to
                       Wash, 20 lks. wide, course SE. Asc. NE. slope, 525 ft. Set a malpais stone, 14 X 10 X 10 ins., 10 ins. in the ground, for \( \frac{1}{4} \) sec. cor., marked \( \frac{1}{2} \) on N. face; and raise a mound of stone, 2 ft. base, \( \frac{1}{2} \) ft. high, N. of cor.
  30.00
'40.04형
                                 Pits impracticable.
                       Spur, extends SE. Desc. SW. slope, 150 ft. to Wash, 10 lks. wide, course S. Asc. slight E. slope to The cor. of secs. 29, 30, 31 and 32.
  60.00
78.40
480.09
                       Land, mountainous.
                       Soil, rocky; 4th rate.
                       No timber.
                       Undergrowth, greasewood, palo verde, ocatilla and scrub
                                 cedar.
                                                                                                                                             Apr. 20, 1915.
                       Apr. 19, 1915: H. D. V.
                       West on a true line, bet. secs. 30 and 31.
                       Over mountainous land, through scattering undergrowth. Asc. E. slope, 725 ft. Set a granite stone, 19 X 10 X 8 ins., 15 ins. in the
  40.00
                                 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.
  63.98
75.06
78.50
                       Ridge, brs. 1 and S. Desc. 275 ft. to Gulch, course SE. Asc. to
                       Intersect W. bdy. of Tp., 3.50 chs. S. of the cor. of secs. 25 and 36, which is a granite stone, established by me
                       as described in Book "A".

At the point of intersection, set a granite stone, 20 X 14 X 6 ins., 15 ins. in the ground, for closing cor. of secs. 30 and 31, marked CC on E. face; with 5 notches of the second of th
                                 N. and 1 notch on S. edge; and raise asmound of stone,
                                 2 ft. base, 12 ft. high, E. of cor. Pits impracticable.
                       Land, mountainous.
Soil, rocky; 4th rate.
                       No timber.
                       Undergrowth, greasewood, palo verde, ocatilla and scruh
                                                                                                                                             H. D. V.
Apr. 19, 1915.
                       Apr. 20, 1915: C. D. N.O° 3' W., bet. secs. 29 and 30.
                        Over mountainous land, through scattering undergrowth.
                        Desc. NE. slope, to
                       Wash, 10 lks. wide, course SE. Asc. S. slope, 265 ft. to Desc. to
     3.00
  20.00
                       Wash, 8 lks. wide, course SE. Asc. 320 ft. to
Point of spur, extends E. Desc. NE. slope, 140 ft.
Set a granite stone, 15 X 12 X 7 ins., 10 ins. in the
ground, for \( \frac{1}{4} \) sec. cor., marked \( \frac{1}{4} \) on W. face; and raise
a mound of stone, 2 ft. base, \( \frac{1}{2} \) ft. high, W. of cor.
  22.80
  36.40
  40.00
```

Pits impracticable.

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Partial Subdivision of T. 15 N., R. 13 W.
               Apr. 20, 1915: At this cor., I set off 11° 21½ N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 37' N. Wash, 5 lks. wide, course SE. Asc. SW. slope, 170 ft. to Ridge, brs, NW. and SE. Desc. NE. slope, 175 ft. to Wash, 10 lks. wide, course SE. Asc. 35 ft. to Set a granite stone, 24 X 11 X 6 ins., 18 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked with 5 notches on E. and 2 notches on S. edge; and raise a mound of stone. 2 ft. base. 1½ ft. high. W. of
Chains.
  44.85
 57.40
75.57
80.00
                      raise a mound of stone, 2 ft. base, 12 ft. high, W. of
                      cor. Pits impracticable.
                Land, mountainous.
                Soil, rocky; 4th rate.
                No timber.
                Undergrowth, greasewood, palo verde, ocetille and scrub
                      cedar.
                N.89° 57' E., on a random line, bet. secs. 29 and 29.
                Set temp. \frac{1}{4} sec. cor.
  40.00
                Intersect N and S. line, 9 lks. N. of the cor. of secs.
·80.01
                20, 21, 28 and 29. Thence I run
                 N.89^{\circ} 59 ^{\circ} W., on a true line, bet. secs. 20 and 29.
                Over mountainous land, through scattering undergrowth.
                Asc. 395 ft. to
Ridge, brs. N. and S. Desc. W. slope, 285 ft. to

Ridge, brs. N. and S. Desc. W. slope, 285 ft. to

Wash, 6 lks. wide, in draw, course SW. Asc. 115 ft.

Set a granite stone, 15 X 10 X 8 ins., 10 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, \(\frac{1}{2}\) ft. high, N. of cor.
                      Pits impracticable.
                Spur, extends SW. Desc. 270 ft. to
  42.05
                Wash, course N. Asc. to
Desc. 90 ft. to
Wash, 6 lks. wide, course NE. Asc. 85 ft. to
  55.35
58.40
65.55
                Desc. 55 ft. to
Wash, 10 lks. wide, course SE. Asc. Asc. to
  70.00
   78.00
 180.01
                 The cor. of secs. 19, 20, 29 and 30.
                Land, mountainous. Soil, rocky; 4th rate.
                 No timber.
                 Undergrowth, greasewood, palo verde, ocatilla and scrub
                       cedar.
                 West on a true line, bet. secs. 19 and 30.
                 Over mountainous land, through scattering undergrowth.
                Point of hill, extends SE. Desc. slightly to Wash, 15 lks. wide, course SE. Wash, 10 lks. wide, course N. Asc. NE. slope, 170 ft. to Desc. to
                 Asc. SE. slope, 20 ft. to
  2.50
12.50
14.55
                 Draw, course N. Asc. E. slope, 360 ft.
  28.50
                Mine tunnel, brs. N. 50 lks. dist.

Mine tunnel, brs. N. 50 lks. dist.

Mine tunnel, brs. N. 50 lks. dist.

Set a quartzite stone, 14 X 12 X 11 ins., 10 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, \(\frac{1}{2}\) ft. high. N. of cor.
   29.50
   31.62
   40.00
                       Pits impracticable.
                                                                                                       C. D.
                 H. D. V.
                Desc. W. slope, 25 ft.
Gulch, 15 lks. wide, course SE. Asc. 415 ft. to
Ridge, brs. N.70° W., and SE. Desc. 125 ft. to
Head of gulch, course N.70° W. Asc. to
Ridge, brs. N. and S. Desc. 40 ft. to
   47.30
63.80
   72.15
   73 - 55
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```
Partial Subdivision of T. 15 N., R. 13 W.
 chains.
  78.50
               Intersect W. bdy. of Tp., 3.63 chs. S. of the cor. of secs. 24 and 25, which is a granite stone, established by me,
               as described in Book "A".

At the point of intersection, set a granite rock, 15 X 14 X 9 ins., 10 ins. in the ground, for closing cor. of
                     secs. 19 and 30, marked CC on E. face; with 4 notches
                     on Na and 2 notches on S. edge; and raise a mound of stone, 2 ft. base, l\frac{1}{2} ft. high, E. of cor. Pits
                     impracticable.
                Land, mountainous.
               Soil, rocky; 4th rate.
               No timber.
               Undergrowth, greasewood, palo verde, ocatille and scrub
                     cedar.
                                                                                       Apr. 20, 1915.
               Apr. 21, 1915: At 8 hrs. 6 m., a.m., l.m.t., I set off 34 of 37½' N. on the lat. arc; llo 39½' N. on the decl. arc; and determine a meridian with the solar at the cor. of
               secs. 19, 20, 29 and 30. Thence I run
               N.0° 3' W., bet. secs. 19 and 20.
               Over mountainous land, through scattering undergrowth.
               Asc. 120 ft. to
              Asc. 120 ft. to

Spur, brs. S.70° E. Desc. NE. slope, 70 ft. to

Gulch, 30 lks. wide, course SE. Asc. 470 ft.

Mine tunnel, 1 ch. long.

Ridge, brs. N. 70° W. and S.70° E. Desc. NE. slope, 95 ft.

Set a sandstone, 12 X 8 X 8 ins., 8 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, \(\frac{1}{2}\) ft. high, W. of cor. Pits
  5.25
8.58
21.99
  27.00
  40.00
                     impracticable.
               Head of gulch, course E. Asc. 150 ft. to
Spur, brs. E. and W. Groome's Peak brs. W. about 10 chs.
dist. Desc. 395 ft. to
  41.27
48.63
              Head of gulch, course N.70° E. Asc. SE. slope, 115 ft. to Spur, brs. E. Desc. NE. slope, 150 ft. to Set a granite stone, 20 X 10 X 4 ins., 15 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked with 5 notches on E. and 3 notches on S. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of
  66.14
  72.91
                    cor. Pits impracticable.
               Land, mountainous.
               Soil, rocky; 4th rate.
               No timber.
               Undergrowth, greasewood, palo verde, ocatille and scrub
                    cedar.
              Apr. 21, 1915: At this cor., I set off 11° 42' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 38½' N.
               S.89° 59' E., on a random line, bet. secs. 17 and 20. Set temp. \frac{1}{4} sec. cor.
  40.00
               Intersect N. and S. line, 5 lks. N. of the cor. of secs.
180.00
               16, 17, 20 and 21. Thence I run
               N.89^{\circ} 57' W., on a true line, bet. secs. 17 and 20.
               Over mountainous land, through scattering undergrowth.
               Asc. 100 ft. to
 7.40
13.85
              Spur, brs. N. Desc. 50 ft. to Gulch, 10 lks. wide, course NE. Asc. 75 ft. to Desc. 20 ft. to
 20.15
              Asc. 30 ft. to
Desc. 75 ft. to
Asc. 375 ft.
 22.60
  28.50
 33.40
√40.00
              Set a granite stone, 24 X 12 X 9 ins., 18 ins. in the
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Partial Subdivision of T. 15 N., R. 13 W.
                 ground, for \frac{1}{4} sec. cor., marked \frac{1}{4} on N. face; and raise a mound of stone, 2 ft. pase, 1\frac{1}{2} ft. high, N. of cor.
                 Pits impracticable.
            Spur, brs. N.30° E. Desc. 205 ft. to Gulch, 50 lks. wide, course NE. Asc. 260 ft. to The cor. of secs. 17, 18, 19 and 20.
47.05
65.18
.8ó.00
            Land, mountainous.
            Soil, rocky; 4th rate.
            No timber.
            Undergrowth, greasewood, palo verde, ocatilla and scrub
                 cedar.
                                                                              H. D. V.
Apr. 21, 1915.
            May 6, 1916: C. D.
            At 8 hrs. 30 m., a.m., l.m., t., I set off 34° 38\frac{1}{2}' N. on the lat. arc; 16° 22' N. on the decl. arc; and deter-
                 mine a meridian with the solar at the cor. of secs.
                 17, 18, 19 and 20.
            Thence I run
            West on a true line, bet. secs. 18 and 19.
            Over mountainous land, through scattering undergrowth. Asc. SE. slope, 415 ft. to Ridge, brs. N. and S. Desc. W. slope, 485 ft.
13.25
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \(\frac{1}{4}\) sec. cor., marked on brass cap

1915 on S. rim;
\(\frac{1}{4}\)S18 in N. and
                 $19 in S. half; and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
            M. of cor. Pits impracticable.

Wash, 20 lks. wide, course N. Asc. SE. slope, 120 ft. to Top of hill, rxtends N. and S. 10 chs. each way; Desc.

W. slope, 30 ft. to

Wash, 15 lks. wide, course N. Thence along N. slope.to

Wash, 5 lks. wide, course NE.

Center of wash, 2.50 chs. wide, course NE. Asc. E. slope
44.95
51.95
58,00
60.50
73.00
            Intersect W. bdy. of Tp., 3.55 chs. S. of the cor. of secs. 13 and 24, which is stone, established by me, as described in Book "A".
78.30
            At the point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 18 and 19, marked on brass cap
                                        1915 on S. rim;
                                        CC W. of center;
T15N in N. and
                                        S13, S24, R14W in W. half; S18 in NE. and
                 S19, R13W in SE. quadrant; and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
                 E. of cor. Pits impracticable.
            Land, mountainous. Soil, rocky; 4th rate.
            No timber.
            Undergrowth, greasewood, palo verde, ocetille and scrub
                  cedar.
                                   At this cor., I set off 16° 24' N. on the
            May 6, 1916:
                  decl. arc; and at apparent noon, I observe the sun on
                  the meridian; the resulting lat. is 34° 38\frac{1}{2}' N.
            N.0° 3' W., bet. secs. 17 and 18.
            Over mountainous land, through scattering undergrowth.
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Desc. to Wash, 10 lks. wide, course NE. Thence along E. slope.

6.00

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Partial Subdivision of T. 15 N. R. 13 W.
Chains.
           Prospect hole brs. W. 50 lks. dist.
 22.10
 30.00
           Desc. 220 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;

S18 ½ in W. and
40.00
               $17 in E. half; and raise a mound of stone, 2 ft. base, l_{2}^{\frac{1}{2}} ft. high,
                                Pits impracticable.
               W. of cor.
           Wash, course NE.
Wash, 10 lks. wide, course NE. Asc. to
 46.80
 51.00
 57.00
66.70
           Spur, brs. NE. Desc. NW. slope, 70 ft. to Center of wash, 1 ch. wide, course NE.
           Center of wash, 1 ch. wide, course NE.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in ground, for cor. of secs. 7, 8, 17 and 18, marked on
 76.00
· 80.00
                                                                         24 ins. in the
               brass cap
                                  1915 on S. rim;
                                  T15N R13W in N. half:
                                  S7 in NW.,
S8 in NE.,
                                  S17 in SE. and S18 in SW. quadrant;
               and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high.
               W. of cor. Pits impracticable.
           Land, mountainous.
           Soil, rocky; 4th rate.
           No timber.
           Undergrowth, greasewood, pale verde, ocatille and scrub
               cedar.
                                                                 May 6, 1915.
           May 7, 1915: At 8 hrs. 4 m., a.m., l.m.t., I set off 34° 39' N. on the lat. arc; 16^{\circ} 38\frac{1}{2}' N. on the decl. arc;
                                                                        I set off 34°
               and determine a meridian with the solar at the cor. of
          secs. 7, 8, 17 and 18.

Thence I run
S.89° 57' E., on a random line, bet. secs. 8 and 17.

Set temp. 4 sec. cor.

Intersect N. and S. line, 16 lks. S. of the cor. of secs.
 40.00
180.14
           8, 9, 16 and 17. Thence I run
           S.89° 56' W., on a true line, bet. secs. 8 and 17.
           Over mountainous land, through scattering undergrowth.
          Wash, 50 lks. wide, course NE. Asc. 100 ft. to Spur, brs. NE. Desc. 70 ft. to Center of wash, 1 ch. wide, course NE.
 5.95
22.05
37·75
40.07
           Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
              ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim;
$\frac{1}{4}$S8 in N. and
                                 S17 in S. half;
               and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
               N. of cor. Pits impracticable.
 48.65
           Small wash, course NE.
                                            Asc. 60 ft.
 53 • 45
           Prospect hole on line.
 66.95
65.15
           Ridge, brs. NW. and SW. Desc. 95 ft. to
           Asc. slightly to Spur, brs. NW. and SE. Desc. SW. slope, 90 ft. to
 66.15
 70.15
           Center of wash, 1 ch. wide, course NE. Asc. 55 ft. to
.80.14
          The cor. of secs. 7, 8, 17 and 18.
          Land, mountainous. Soil, rocky; 4th rate.
          No timber.
          Undergrowth, greasewood, palo verde, ocetille and scrub
               cedar.
          The Shannon Mine, located approximately in the SW. 1/4 of
               the SW. \frac{1}{4} of sec. 8, was not visible from line, and
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Partial Subdivision of T.

The Shannon Mine is located in sec. 8. Numerous prospect holes are found throughout the Tp., with considerable indication of low grade copper.

J. E. Saunders, located in sec. 25, is the only settler in the portion of the Tp. just surveyed.

U. S. Transitana.

J. S. Transitimo.

Partial Subdivision of T. 15 N., R. 13 W. 27. Chains. $\frac{1}{4}$ 56 in N. and S7 in S. half; and raise a mound of stone, 2 ft. base, $l^{\frac{1}{2}}$ ft. high, N. of cor. Pits impracticable. Desc. NW. slope, 415 ft. to Wash, 8 lks. wide, course NW. Wash, course NW. 50.00 71.50 78.50 78.51 Intersect the W. bdy. of Tp., 3.48 chs. S. of the cor. of secs. 1 and 12, which is a stone, established by me, as described in Book "A".

At the point of intersection, set a granite stone, 20 X 18 6 ins., 15 ins. in the ground, for closing cor. of secs. 6 and 7, marked CC on E. face; with 1 notch on N. and 5 notches on S. edge; and raise a mound of stone, 2 ft base, $1\frac{1}{2}$ ft. high, E. of cor. Pits impracticable. Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocetilleand scrub cedar. At this cor., I set off 17° 14' N. on the May 9, 1915: decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 40' N. N.0° 3' W., on a random line, bet. secs. 5 and 6.

Set temp. 4 sec. cor.

Intersect N. bdy. of Tp., 40 lks. E. of the cor. of secs.

5, 6, 31 and 32, which is an iron post, established by me, as described in Book "A". 40.00 ·80.23 Thence I run S.0° 20' E., on a true line, bet. secs. 5 and 6. Over mountainous land, through scattering undergrowth. Asc. 85 ft. to
Desc. 30 ft. to
Wash, course SE.
Desc. 130 ft. to 3.45 18.85 Thence over rolling land. 30.25 Center of wash, 2 chs. wide, course E. Thence over mountainous land, ascending 810 ft.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the 32.65 40.23 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim;
Sto 4 in W. and
S5 in E. half;
and raise a mound of stone, 2 ft. base, 14 ft. high, W. of cor. Pits impracticable. 80.23 The cor. of secs. 5, 6, 7 and 8. Land, rolling and mountainous. Soil, rocky; 4th rate. No timber Undergrowth, greasewood, palo verde, ocatilla and scrub cedar. May 9, 1915.

GENERAL DESCRIPTION.

This Tp. is very mountainous, the highest point being Groom's Peak, in sec. 19, from which several ridges run easterly to the Big Sandy River. The mountains are covered with huge granite boulders. The Tp. drains into the Big Sandy River.

The vegetation consists of palo verde, ocatilla, scrub

cedar and cacti.

For FINAL OATH OF UNITED STATES SURVEYOR.

See Book "B."
I,, U. S. Surveyor, do solemnly swear that, in pursua
of special instructions received from the U.S. Surveyor General for
bearing date of theday of, 191 , I have well, faithfully, and tr
in my own proper person, and in strict conformity with said instructions, the Manual of Survey
Instructions, and the laws of the United States, surveyed all those parts or portions of
of the
Meridian, in the State of, which are represented
the foregoing field notes as having been executed by me, and under my direction; and I do furt
solemnly swear that all the corners of said survey have been established and perpetuated in strict according to the solemnly swear that all the corners of said survey have been established and perpetuated in strict according to the strict according to the said survey have been established and perpetuated in strict according to the said survey have been established and perpetuated in strict according to the said survey have been established and perpetuated in strict according to the said survey have been established and perpetuated in strict according to the said survey have been established and perpetuated in strict according to the said survey have been established and perpetuated in strict according to the said survey have been established and perpetuated in strict according to the said survey have been established and perpetuated in strict according to the said survey have been established and perpetuated in strict according to the said survey have been established and perpetuated in strict according to the said survey have been established and perpetuated in strict according to the said survey have been established and perpetuated in strict according to the said survey have been established and perpetuated in strict according to the said survey according to the said s
ance with the Manual of Surveying Instructions, and the special written instructions of the U.S. Surve
General for and in the specific manner described in the field notes, and t
the foregoing are the original field notes of such survey.
the foregoing are the original held hotes of such survey.
U. S. Surveyor
Subscribed by said, and sworn to before me
this, 191

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APPROVAL.
Office of the United States Surveyor General,
Phoenix, Arizona, February 15, 1917
The foregoing field notes of the survey of the completion of the
Subdivision Lines of Township 15 North, Range 13 West,
of the Gila and Salt River Base and Meridian, Arizona,
executed by Hans D. Voigt and Carl Dyson, U. S. Transitmen,
their under-his special instructions dated December 28,1914 for Group 41, 4, having be
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.
surveys they describe, are hereby approved.
Surveyor General
of Arizona.
Book "K," has been correctly copied from the original notes on file in this office
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