

BOOK "P" FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines of

Township 16 North - Range 14 West

of the Gila & Salt River Base & Meridian,

In the State of Arizona

EXECUTED BY

H. N. Bradstreet

and

Carl Dyson

In the capacity of U. S. ^{Transitmen}~~Surveyor~~, under instructions dated Dec 28, 1914,

issued by the United States Surveyor General to govern surveys included in

Group No. 41, which were approved by the Commissioner of the General Land

Office, Jan 22, 1915

Survey commenced May 9, 1915

Survey completed June 8, 1915.

And executed under assignment instructions dated Apr. 1-10 and 26, 1915

2507

2507

Book "P"

BOOK 2927

INDEX DIAGRAM.

Township 16 North, Range 14 West.

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Subdivision of T. 16 N., R. 14 W.

1.

Chains.

Survey commenced May 9, 1915, and executed jointly by H. N. Bradstreet and Carl Dyson, U. S. Transitmen, with Young and Sons' light mountain transits Nos. 7109 and 8539, respectively, with Smith solar attachments. For description of instruments, and certificate of approval, see subdivision of T. 16 N., R. 13 W.

In the following field notes, the initials H. N. B. and C. D. refer to H. N. Bradstreet and Carl Dyson, U. S. Transitmen, respectively.

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

At our camp in the SE. 1/4 of sec. 33, T. 16 N., R. 14 W., in lat. 34° 41' N., long. 113° 43' W., at 7 hrs. 8.5 m., p.m., l.m.t., by our watches, which are set to correct local mean time, we observe Polaris, and find the angle to a peak on the sky line to be 34° 10 1/2' to the right.

Time of upper culmination 10 hrs. 23.6 m., a.m.
Correction for longitude -1.3

Corrected time of upper culmination 10 hrs. 22.3 m., a.m.
Time elapsed since upper culmination 8 hrs. 46.2 m.
Azimuth corresponding to hour angle 1° 1.6'
Bearing of peak, N. 33° 9' E.

May 9, 1915.

May 11, 1915: At 8 hrs. 3 m., a.m., l.m.t., we set off 34° 41' N. on the lat. arcs; 17° 43 1/2' N. on the decl. arcs; and determine a meridian with each transit, and note the bearing of the peak with each instrument.

May 11, 1915: At apparent noon, we set off 17° 45 1/2' N. on the decl. arcs; and observe the sun on the meridian with each instrument; the resulting lat. in each case is 34° 41' N.

At 4 hrs. 1 m., p.m., l.m.t., we set off 34° 41' N. on the lat. arcs; 17° 48 1/2' N. on the decl. arcs; and determine a meridian with each solar, and note the bearing of the peak with each transit.

The solars, by a.m. and p.m. observations, define positions for meridians which deviate less than 1 1/2' from the true meridian determined by observations on Polaris. As these instruments satisfy the conditions imposed by our instructions, we deem them satisfactory for field use.

May 11, 1915.
H. N. B. and C. D.

May 14, 1915: C. D.

At 8 hrs. 51 m., a.m., l.m.t., I set off 34° 41' N. on the lat. arc; 18° 29' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., which is an iron post, established by me, as described in Book "A".

Thence I run

N. 0° 1' W., bet. secs. 35 and 36.

Over rolling land, through scattering undergrowth.

Wash, course SE. Asc. slightly to

Low hill, brs. NW. and SE. Desc. NE. slope to

Enter wash, course SE.

21.80
6.90
16.50
10.10

Cor. 21

2

Subdivision of T. 16 N., R. 14 W.

Chains.	
18.10	Corral, brs. W. 2 chs. dist.
20.78	Road in wash, brs. NW. to Chicken Springs and Yucca, and SE. to Signal.
21.40	Leave wash, course SE. Asc. slightly to
25.00	Low ridge, brs. NW. and SE. Desc. to
31.20	Wash, course SE. Asc. SW. slope, 110 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; S35 $\frac{1}{4}$ in W. and S36 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
43.50	Desc. to
52.80	Center of wash, 1 ch. wide, course SE. Asc. SW. slope, 105 ft. to
77.50	Spur, brs. E. Desc. to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in a mound of stone, 3 ft. base for cor. of secs. 25, 26, 35 and 36, marked on brass cap 1915 on S. rim; T16N R14W in N. half; S26 in NW., S25 in NE., S36 in SE. and S35 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling and mountainous. Soil, sandy and rocky; 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatille and scrub cedar.
40.00	S. $89^{\circ} 57'$ E., on a random line, bet. secs. 25 and 36. Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect E. bdy. of Tp., 8 lks. S. of the cor. of secs. 25 and 36, which is an iron post, established by H. N. B., as described in Book "A". Thence I run West on a true line, bet. secs. 25 and 36. Over mountainous land, through scattering undergrowth. Desc. NW. slope, 50 ft. to
6.40	Gulch, course NE. Asc. SE. slope, 30 ft. to
9.34	Ridge, brs. NE. and SW. Road on ridge, brs. NE. to Signal, and SW. to Chicken Springs and Yucca. Desc. NW. slope, 55 ft. to
14.50	Enter wash, course NE.
22.00	Leave wash, course NE. Asc. SE. slope, 240 ft. to
31.00	Ridge, brs. NE. and SW. Desc. NW. slope, 60 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; S25 in N. and S36 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
40.30	Wash, 20 lks. wide, course NE. Asc. SE. slope to
50.00	Point of ridge, brs. S. Desc. SW. slope to
52.20	Center of wash, 1 ch. wide, course SE.
59.50	Wash, course SE. Asc. 255 ft. to
80.00	The cor. of secs. 25, 26, 35 and 36. Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatille and scrub cedar.

Subdivision of T. 16 N., R. 14 W.

Chains.

May 14, 1915: At this cor., I set off 18° 31' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 42' N.

N.0° 1' W., bet. secs. 25 and 26.
 Over mountainous land, through scattering undergrowth.
 Desc. NE. slope, 85 ft. to
 10.74 Wash, course SE. Asc. SW. slope, 105 ft. to
 27.20 Spur, brs. E. Desc. NW. slope, 40 ft. to
 33.80 Wash, course NE. Asc. to
 40.00 Ridge, brs. NE. and SW.
 Point for $\frac{1}{4}$ sec. cor. falls on boulder, 18 X 15 X 6 ft..
 above ground. Mark a cross (X) at the exact cor. point
 for $\frac{1}{4}$ sec. cor., with $\frac{1}{4}$ W. of same; and raise a mound
 of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits
 impracticable.
 Desc. NW. slope, 85 ft. to
 49.70 Wash, course NE. Thence over rolling land.
 54.20 Wash, course SE.
 62.20 Wash, course NE.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 23, 24, 25 and 26, marked on
 brass cap
 1915 on S. rim;
 T16N R14W in N. half;
 S23 in NW.,
 S24 in NE.,
 S25 in SE. and
 S26 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor. Pits impracticable.
 Land, rolling and mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocotillo and scrub
 cedar.
 May 14, 1915.

May 17, 1915.
 East on a random line, bet. secs. 24 and 25.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.95 Intersect E. bdy. of T., 4 lks. N. of the cor. of secs.
 24 and 25, which is an iron post, established by
 H. N. B., as described in Book "A".
 Thence I run
 N.89° 58' W., on a true line, bet. secs. 24 and 25.
 Over rolling land, through scattering undergrowth.
 Desc. NW. slope to
 12.95 Draw, course NE. Asc. SE. slope, 80 ft. to
 21.45 Spur, brs. NE. Thence along N. slope.
 39.97 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S24 in N. and
 S25 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor. Pits impracticable.
 58.25 Wash, course NE. Asc. E. slope, 85 ft. to
 64.95 Thence along N. slope to
 79.95 The cor. of secs. 23, 24, 25 and 26.
 Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, cacti, and scrub
 cedar.

Subdivision of T. 16 N., R. 14 W.

Chains.	
	<p>May 17, 1915: At this cor., I set off $19^{\circ} 13\frac{1}{2}'$ N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is $34^{\circ} 42\frac{1}{2}'$ N.</p>
	<p>N. $0^{\circ} 1'$ W., bet. secs. 23 and 24. Over rolling land, through scattering undergrowth. Desc. NW. slope, 175 ft. to Wash, course NE. Asc. SE. slope, 115 ft. to Ridge, brs. NE. and SW. Desc. NW. slope, 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; S23 $\frac{1}{4}$ in W. and S24 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.</p>
22.75	Wash, course NE. Thence over slightly rolling land.
37.50	Wash, course E.
40.00	Wash, course E.
46.80	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked on brass cap 1915 on S. rim; T16N R14W in N. half; S14 in NW., S13 in NE., S24 in SE. and S23 in SW. quadrant; dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
53.16	Land, rolling.
71.90	Soil, 2nd and 3rd rate; sandy and rocky.
80.00	No timber. Undergrowth, greasewood, palo verde, ocatilla and scrub cedar.
	C. D. May 17, 1915.
	<p>June 6, 1915: H. N.B. S. $89^{\circ} 58'$ E., on a random line, bet. secs. 13 and 24. Set temp. $\frac{1}{4}$-sec. cor. Intersect E. bdy. of Tp., 23 lks. S. of the cor. of secs. 13 and 24, which is an iron post, established by me, as described in Book "A". Thence I run S. $89^{\circ} 52'$ W., on a true line, bet. secs. 13 and 24. Over level land, through scattering undergrowth. Wash, 30 lks. wide, course SE. Same wash, 50 lks. wide, course NE. 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; $\frac{1}{4}$S13 in N. and S24 in S. half; from which A mesquite, 8 ins. diam., brs. N. $23\frac{1}{2}^{\circ}$ E., 32 lks. dist.; marked $\frac{1}{4}$S13 BT. A mesquite, 8 ins. diam., brs. S. $5\frac{1}{2}^{\circ}$ W., 119 lks. dist.; marked $\frac{1}{4}$S24 BT.</p>
40.00	Asc. slight E. slope to
80.10	The cor. of secs. 13, 14, 23 and 24. Land, level and rolling. Soil, sandy loam; 2nd and 3rd rate. No timber. Undergrowth, mesquite, cacti and scrub cedar.

Subdivision of T. 16 N., R. 14 W.

5.

Chains.

N.0° 1' W., bet. secs. 13 and 14.
Over level land, through scattering undergrowth.

22.00 Wash, 10 lks. wide, course E.
30.00 Wash, 10 lks. wide, course E.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S14 in W. and
S13 in E. half; from which
A cedar, 6 ins. diam., brs. S.70 $\frac{1}{4}$ ° E., 128 lks. dist., marked $\frac{1}{4}$ S13 BT.
A cedar, 6 ins. diam., brs. S. 29° W., 83 lks. dist.; marked $\frac{1}{4}$ S14 BT.

62.00 Wash, 10 lks. wide, course E.
70.00 Desc. N. slope, 40 ft. to
75.20 Wash, 10 lks. wide, course E. Asc. SE. slope, 10 ft. to
77.50 Spur, extends 3 chs. E. Desc. N. slope, 25 ft. to
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap
1915 on S. rim;
T16N R14W in N. half;
S11 in NW.,
S12 in NE.,
S13 in SE. and
S14 in SW. quadrant;
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
Land, level and rolling.
Soil, 3rd rate.
No timber.
Undergrowth, greasewood, palo verde, ocotilla and scrub cedar.
June 6, 1915: At this cor., I set off 22° 36 $\frac{1}{2}$ ' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 44 $\frac{1}{2}$ ' N.

40.00 N.89° 52' E., on a random line, bet. secs. 12 and 13.
Set temp. $\frac{1}{4}$ sec. cor.
80.07 Intersect E.bdy. of Tp., 2 lks. S. of the cor. of secs. 12 and 13, which is an iron post, established by me, as described in Book "A".
Thence I run
S.89° 51' W., on a true line, bet. secs. 12 and 13.
Over level land, through scattering undergrowth.
Along S. edge of wide wash, course E.
30.00 Leave wash, course SE. Asc. NE. slope, 170 ft.
40.03 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S12 in N. and
S13 in S. half; from which
A cedar, 5 ins. diam., brs. N. 12° W., 76 lks. dist., marked $\frac{1}{4}$ S12 BT.
A cedar, 8 ins. diam., brs. S.11° E., 70 lks. dist., marked $\frac{1}{4}$ S13 BT.

45.55 Asc. E. slope to
53.05 Spur, extends 2 chs. N. Desc. NW. slope to
58.00 Wash, 30 lks. wide, course N. Asc. NE. slope, 30 ft.
65.00 Desc. to
68.00 Wash, 10 lks. wide, course N. Thence along N. slope to
80.07 The cor. of secs. 11, 12, 13 and 14.
Land, level and rolling.
Soil, sandy, 3rd and 4th rate.
No timber.
Undergrowth, greasewood, palo verde, ocotilla and scrub cedar.

June 6, 1915.

Subdivision of T. 16 N., R. 14 W.

Chains.	
	<p>June 7, 1915. N.0° 1' W., bet. secs. 11 and 12. Over rolling land, through scattering undergrowth.</p>
1.50	Desc. N. slope, 80 ft. to
6.60	Center of wash, 1 ch. wide, course NE. Asc. SE. slope, 80 ft. to
10.85	Spur, extends 2 chs. NE. Desc. N. slope, 140 ft. to
15.60	Enter wash, course E.
30.60	Leave wash, course E. Asc. SW. slope, 125 ft to
35.60	Thence along slight E. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S11 in W. and S12 in E. half; from which A cedar, 6 ins. diam., brs. S.52 $\frac{3}{4}$ ° E., 152 lks. dist., marked $\frac{1}{4}$ S12 BT. A cedar, 6 ins. diam., brs. S.51 $\frac{1}{4}$ ° W., 67 lks. dist., marked $\frac{1}{4}$ S11 BT.
50.50	Road, brs. NW. to San Francisco Mine and Cedar, and SE. to Signal.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked on brass cap 1915 on S. rim; T16N R14W in N. half; S2 in NW., S1 in NE., S12 in SE. and S11 in SW. quadrant; from which A cedar limb, 6 ins. diam., brs. N.37 $\frac{1}{4}$ ° E., 125 lks. dist., marked T16N R14W S1 BT. No other trees within limits. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling and level. Soil, sandy and sandy loam; 2nd and 3rd rate. No timber. Undergrowth, greasewood, palo verde, mesquite, cacti and scrub cedar.
	June 7, 1915.
	<p>June 10, 1915. N.89° 51' E., on a random line, bet. secs. 1 and 12.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.05	Intersect E. bdy. of Tp., 2 lks. S. of the cor. of secs. 1 and 12, which is an iron post, established by me, as described in Book "A". Thence I run S.89° 50' W., on a true line, bet. secs. 1 and 12.
40.02 $\frac{1}{2}$	Over level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S1 in N. and S12 in S. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
46.00	Wash, 20 lks. wide, course NE.
80.05	The cor. of secs. 1, 2, 11 and 12. Land, level. Soil, sandy loam; 2nd and 3rd rate. No timber. Undergrowth, greasewood, mesquite, cat claw, cacti and scrub cedar.

Chains.	
	<p>T16N R14W in N. half; S27 in NW., S26 in NE., S35 in SE. and S34 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocotilla and scrub cedar.</p>
40.00	S.89° 57' E., on a random line, bet. secs. 26 and 35.
80.18	Set temp. ¼ sec. cor. Intersect N. and S. line, 16 lks. N. of the cor. of secs. 25, 26, 35 and 36. Thence I run N.89° 50' W., on a true line, bet. secs. 26 and 35. Over mountainous land, through scattering undergrowth. Asc. NE. slope, 220 ft. to 23.20 Ridge, brs. NW. and SE. Desc. SW. slope, to 38.10 Wash, course SE. Asc. 225 ft., along S. slope of rocky ridge. 40.09 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1915 on S. rim; ¼ S26 in N. and S35 in S. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. Continue asc. to 80.18 The cor. of secs. 26, 27, 34 and 35, Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocotilla, cacti and scrub cedar. May 15, 1915: At this cor., I set off 18° 45½' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 42' N.
11.50	N.0° 1' W., bet. secs. 26 and 27. Over mountainous land, through scattering undergrowth. Asc. SE. slope, 390 ft. to 36.50 Ridge, brs. NE. and SW. Desc. N. slope, 600 ft. to 40.00 Gulch, course NE. Asc. slightly to Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1915 on S. rim; S27 ¼ in W. and S26 in E. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Desc. NW. slope, 235 ft. to 56.30 Wash, course NE. Asc. slightly to 57.00 Desc. 55 ft. to 58.80 Wash, course NE. Asc. slightly to 64.50 Ridge, brs. NW. and SE. Desc. NE. slope, 115 ft. to 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, marked on brass cap 1915 on S. rim; T16N R14W in N. half; S22 in NW.,

Chains.

S23 in NE.,
 S26 in SE. and
 S27 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor. Pits impracticable.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocatilla and scrub
 cedar.

May 15, 1915.

May 17, 1915: At 8 hrs. 6 m., a.m., l.m.t., I set off
 34° 42½' N. on the lat. arc; 19° 11½' N. on the decl.
 arc; and determine a meridian with the solar at the
 cor. of secs. 22, 23, 26 and 27.

Thence I run
 S.89° 50' E., on a random line, bet. secs. 23 and 26.

40.00 Set temp. ¼ sec. cor.
 80.20 Intersect N. and S. line, 14 lks. S. of the cor. of secs.
 23, 24, 25 and 26.

Thence I run
 N.89° 56' W., on a true line, bet. secs. 23 and 26.
 Over undulating land, through dense undergrowth.

8.60 Wash, course NE.
 25.20 Asc. 65 ft. to
 31.20 Desc. 25 ft. to
 35.20 Asc. 80 ft. to
 40.10 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap
 1915 on S. rim;
 ¼ S23 in N. and
 S26 in S. half;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 N. of cor. Pits impracticable.

46.90 Desc. NW. slope, 50 ft. to
 Wash, course NE. Asc. E. slope, 100 ft. to
 53.20 Top of asc.; desc. W. slope, 115 ft. to
 59.00 Wash, course N. Asc. E. slope, 150 ft. to
 66.20 Desc. 35 ft. to
 70.20 Thence over rolling land.
 80.20 The cor. of secs. 22, 23, 26 and 27.
 Land, rolling and undulating.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocatilla and scrub
 cedar.

N.0° 1' W., bet. secs. 22 and 23.
 Over rolling land, through scattering undergrowth.

9.70 Desc. 85 ft. to
 20.00 Wash, course NE. Ascend to
 23.80 Desc. 30 ft. to
 29.00 Center of wash, 1 ch. wide, course NE. Asc. to
 30.00 Desc. 80 ft. to
 38.00 Center of wash, 1 ch. wide, course SE. Asc. 20 ft. to
 40.00 Ridge, brs. NW. and SE. Desc. NE. slope, 125 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap
 1915 on S. rim;
 S22 ¼ in W. and
 S23 in E. half;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor. Pits impracticable.

C. D.
 May 17, 1915.

10

Subdivision of T. 16 N., R. 14 W.

Chains.	
	<p>June 2, 1915: H. N. B. N.0° 1' W., bet. secs. 22 and 23, from the $\frac{1}{4}$ sec. cor. bet. secs. 22 and 23. Continue to descend NE. slope to 57.30 Enter wash, 30 lks. wide, course N. Comes from SW. 62.80 Leave wash, course NE. Thence along E. slope. 72.30 Desc. NE. slope, 70 ft. 76.80 Desc. NW. slope to 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked on brass cap</p> <p style="padding-left: 40px;">1915 on S. rim; T16N R14W in N. half; S15 in NW., S14 in NE., S23 in SE. and S22 in SW. quadrant;</p> <p>and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and scrub cedar. June 2, 1915: At this cor., I set off 22° 8' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 43$\frac{1}{2}$' N. June 2, 1915.</p>
40.00	<p>June 6, 1915. S.89° 56' E., on a random line, bet. secs. 14 and 23. Set temp. $\frac{1}{4}$ sec. cor.</p>
80.06	<p>Intersect N. and S. line, 14 lks. N. of the cor. of secs. 13, 14, 23 and 24. Thence I run N.89° 50' W., on a true line, bet. secs. 14 and 23. Over level land, through dense undergrowth.</p>
25.05	<p>Wash, 50 lks. wide, course SE.</p>
40.03	<p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap</p> <p style="padding-left: 40px;">1915 on S. rim; $\frac{1}{4}$S14 in N. and S23 in S. half;</p> <p>dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p>
60.00	<p>Leave level land, brs. NW. and SE. Asc. NE. slope, 100 ft. to</p>
67.55	<p>Spur, brs. N. Desc. NW. slope, 70 ft. to</p>
80.06	<p>The cor. of secs. 14, 15, 22 and 23. Land, level and rolling. Soil, sandy loam; 2nd rate on level; rocky; 4th rate on slopes. No timber. Undergrowth, greasewood, palo verde, mesquite, cacti and scrub cedar.</p>
.35	<p>At 2 hrs. 3 m., p.m., l.m.t., I set off 34° 43$\frac{1}{2}$' N. on the lat. arc; 22° 37$\frac{1}{2}$' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 14, 15, 22 and 23. Thence I run N.0° 1' W., bet. secs. 14 and 15. Over rolling land, through dense undergrowth.</p>
5.35	<p>Wash, 20 lks. wide, course NE. Asc. SE. slope to Ridge, brs. NE. and SW. Desc. N. slope, 25 ft. to</p>

Subdivision of T. 16 N., R. 14 W.

11.

Chains.

10.35 Wash, 20 lks. wide, course NE. Asc. SE. slope to
 15.35 Ridge, brs. NE. and SW. Desc. N. slope to
 20.15 Wash, 50 lks. wide, course NE. Asc. SE. slope, 15 ft. to
 25.15 Ridge, brs. E. and W. Desc. N. slope, 40 ft. to
 28.95 Gulch, 50 lks. wide, course NE. Asc. SE. slope, 35 ft. to
 38.85 Ridge, brs. NE. and SW. Desc. slight NE. slope, 80 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S15 in W. and
 S14 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor. Pits impracticable.

56.40 Desc. N. slope to
 64.35 Wash, 20 lks. wide, course NE. Asc. SE. slope, 15 ft. to
 73.50 Spur, extends 2 chs. NE. Desc. N. slope, 65 ft. to
 75.85 Thence over level land.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 10, 11, 14 and 15, marked on
 brass cap
 1915 on S. rim;
 T16N R14W in N. half;
 S10 in NW.,
 S11 in NE.,
 S14 in SE. and
 S15 in SW. quadrant; from which
 A mesquite, 5 ins. diam., brs. S.29 $\frac{1}{4}$ ° W., 55 lks. dist.,
 marked T16N R14W S15 BT.
 No other trees within limits. Raise a mound of stone,
 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocatilla and scrub
 cedar.

40.00 S.89° 50' E., on a random line, bet. secs. 11 and 14.
 Set temp. $\frac{1}{4}$ sec. cor.
 80,10 Intersect N. and S. line, 9 lks. S. of the cor. of secs.
 11, 12, 13 and 14.
 Thence I run
 N.89° 54' W., on a true line, bet. secs. 11 and 14.
 Over rolling land, through scattering undergrowth.
 Along N. slope to
 2.00 Desc. W. slope to
 4.50 Wash, 50 lks. wide, course N. Asc. NE. slope to
 6.00 Spur, extends 1 ch. N. Desc. W. slope to
 7.50 Center of wash, 1 ch. wide, course NE. Asc. NE. slope to
 11.00 Thence along N. slope to
 29.60 Desc. W. slope, 80 ft. to
 34.00 Center of wash, 3 chs. wide, course N. Asc. E. slope, 60
 ft. to
 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;
 $\frac{1}{4}$ S11 in N. and
 S14 in S. half; from which
 A cedar, 6 ins. diam., brs. N. 59 $\frac{1}{4}$ ° E., 144 lks. dist.,
 marked $\frac{1}{4}$ S11 BT.
 A cedar, 6 ins. diam., brs. S.0° 15' E., 131 lks. dist.,
 marked $\frac{1}{4}$ S14 BT.
 Thence along N. slope to
 52.00 Desc. W. slope, 60 ft. to
 54.20 Center of gulch, 30 lks. wide, course N. Asc. NE. slope,
 30 ft. to
 62.00 Thence along N. slope.
 65.00 Desc. NW. slope, 60 ft. to
 70.00 Enter wash, course NE.

Chains.	
74.00	Thence over level land, along S. edge of wide wash, or drainage channel.
80.10	The cor. of secs. 10, 11, 14 and 15. Land, level and rolling. Soil, sandy and rocky; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocotilla, cacti and scrub cedar. June 6, 1915.
	June 7, 1915. N.0° 1' W., bet. secs. 10 and 11. Across level drainage channel, course E., through dense undergrowth.
5.00	Wash, 50 lks. wide, course E.
9.00	Center of wash, 1 ch. wide, course E. Asc. S. slope, 170 ft;
12.40	Wire fence, brs. NE. and SW. Fence corners 5 chs. NE.
20.50	Wire fence, brs. NW. and SE.
37.75	Spur, extends 3 chs. SE. Desc. NE. slope, 45 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S10 in W. and S11 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
40.50	Gulch, 30 lks. wide, course SE. Asc. SW. slope, 160 ft. to
51.00	Spur, extends 10 chs. SE. Desc. NE. slope, 20 ft. to
54.20	Wash, 20 lks. wide, course SE. Asc. SW. slope, 55 ft. to
57.65	Spur, extends 15 chs. SE. Desc. NE. slope, 25 ft. to
62.75	Wash, 10 lks. wide, course SE. Asc. S. slope, 20 ft. to
63.70	Thence along E. slope to
67.20	Desc. N. slope, 95 ft. to
72.00	Center of gulch, 1 ch. wide, course E. Asc. S. slope, 120 ft.
72.65	Asc. SW. slope to
77.30	Ridge, brs. ESE. and WNW. Desc. NE. slope, 40 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked on brass cap 1915 on S. rim; T16N R14W in N. half; S3 in NW., S2 in NE., S11 in SE. and S10 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous and level. Soil, sandy and rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocotilla and scrub cedar.
40.00	S.89° 54' E., on a random line, bet. secs. 2 and 11. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 1, 2, 11 and 12. Thence I run N.89° 56' W., on a true line, bet. secs. 2 and 11. Over rolling land, through scattering undergrowth. Asc. NE. slope, 60 ft. to
7.65	Spur, extends 3 chs. SE. Desc. SW. slope, 30 ft. to

Subdivision of T. 16 N., R. 14 W.

Chains.	
10.00	Wash, 10 lks. wide, course SE. Asc. E. slope, 180 ft.
40.02	Set an iron post, $\frac{3}{4}$ ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S2 in N. and S11 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
44.00	Asc. NE. slope to
50.00	Spur, extends 10 chs. SE. Desc. SW. slope to
52.65	Wash, 10 lks. wide, course SE. Asc. SE. slope, 100 ft. to
67.55	Spur, extends 1 ch. S. Desc. SW. slope, 25 ft.
75.00	Road, brs. NW. to San Francisco Mine and Cedar, and SE. to Signal.
76.70	Center of wash, 1 ch. wide, course SE. Asc. NE. slope, 65 ft. to
80.04	The cor. of secs. 2, 3, 10 and 11. Land, level and rolling. Soil, sandy loam; 2nd rate on level; rocky; 4th rate on slopes. No timber. Undergrowth, greasewood, palo verde, ocotillo and scrub cedar. June 7, 1915: At this cor., I set off $22^{\circ} 43' N.$ on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is $34^{\circ} 45' N.$
40.00	N. $0^{\circ} 1' W.$, on a random line, bet. secs. 2 and 3. Set temp. $\frac{1}{4}$ sec. cor.
80.28	Intersect N. bdy. of T \bar{p} , 30 lks. W. of the cor. of secs. 2, 3, 34 and 35, which is an iron post, established by me, as described in Book "A". Thence I run S. $0^{\circ} 12' W.$, on a true line, bet. secs. 2 and 3. Over level land, through scattering undergrowth. Across wide wash, course E.
10.30	Leave wash, course E. Thence over mountainous land. Asc. 105 ft. to
19.50	Spur, extends 5 chs. E. Desc. SE. slope, 55 ft. to
23.15	Wash, 20 lks. wide, course NE. Asc. NW. slope, 70 ft. to
28.00	Spur, extends 2 chs. NE. Desc. SE. slope, 30 ft. to
32.40	Wash, 20 lks. wide, course NE. Asc. NW. slope, 115 ft.
37.30	Asc. NE. slope.
40.28	Set an iron post, $\frac{3}{4}$ 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 W. and S2 in E. half; from which A cedar, 6 ins. diam., brs. S. $69\frac{1}{2}^{\circ} E.$, 80 lks. dist., marked $\frac{1}{4}$ S2 BT. A cedar, 5 ins. diam., brs. N. $67\frac{3}{4}^{\circ} W.$, 71 lks. dist., marked $\frac{1}{4}$ S3 BT.
42.10	Spur, extends 20 chs. E. Desc. SE. slope, 30 ft. to
47.05	Wash, 20 lks. wide, course E. Asc. NE. slope, 70 ft. to
54.30	Spur, extends 20 chs. E. Desc. SE. slope, 95 ft. to
58.90	Wash, 20 lks. wide, course SE. Asc. NE. slope, 85 ft. to
65.40	Ridge, brs. NW. and SE. Desc. SW. slope, 20 ft. to
68.70	Wash, 20 lks. wide, course SE. Asc. NE. slope to
71.60	Ridge, brs. NW. and SE. Desc. SW. slope.
76.20	Road, brs. NW. to San Francisco Mine and Cedar, and SE. to Signal.
77.30	Center of wash, 1 ch. wide, course SE. Asc. NE. slope, 120 ft. to
80.28	The cor. of secs. 2, 3, 10 and 11. Land, level and mountainous Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocotillo and scrub

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Subdivision of T. 16 N., R. 14 W.

Chains.

cedar.

June 7, 1915.

- May 17, 1915: The sky being over cast, rendering an observation on the sun for meridian impossible, I turn an angle from the S. bdy. of T. 16 N., R. 14 W., at the cor. of secs. 3, 4, 33 and 34, which is an iron post, established by C. D. as described in Book "A" and run N.0° 2' W., bet. secs. 33 and 34.
- Over rolling land, through dense undergrowth.
Asc. SE. slope, 30 ft. to
- 2.00 Spur, extends 1 ch NE. Desc. NE. slope, 54 ft. to
7.00 Wash, 50 lks. wide, course E. Asc. SE. slope, 50 ft. to
10.00 Spur, extends 5 chs. E. Desc. NE. slope to
16.00 Draw, course E. Asc. SE. slope to
21.00 Spur, brs. E. Desc. NE. slope, 75 ft. to
34.00 Center of wash, 1 ch. wide, course E. Asc. SE. slope, 155 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S33 in W. and
S34 in E. half;
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
- 50.00 Low spur, extends SW. Thence along broken W. slope.
58.00 Gulch, 5 lks. wide, course W. Asc. to
60.00 Spur, brs. W. Desc. NW. slope, 125 ft.
77.50 Desc. N. slope to
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, marked on brass cap
1915 on S. rim;
T16N R14W 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, rolling.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde, ocotilla and scrub cedar.

- 40.00 S.89° 57' E., on a random line, bet. secs. 27 and 34.
Set temp. $\frac{1}{4}$ sec. cor.
80.40 Intersect N. and S. line, 47 lks. S. of the cor. of secs. 26, 27, 34 and 35.
Thence I run
S.89° 43' W., on a true line, bet. secs. 27 and 34.
Over mountainous land, through scattering undergrowth.
Desc. SW. slope, to
1.90 Gulch, 50 lks. wide, course SE. Asc. E. slope, 500 ft. to
22.40 Ridge, brs. N. and S. Desc. W. slope, 860 ft.
40.20 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S27 in N. and
S34 in S. half;
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

Subdivision of T. 16 N., R. 14 W.

Chains.

41.40 Enter gulch, course SW. Comes from NE. Desc. in gulch to
 72.40 Leave gulch, course NW. Thence along N. slope to
 80.40 The cor of secs. 27, 28, 33 and 34.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocotillo and scrub cedar.
 May 17, 1915: The sky was overcast at noon, making an observation for lat. impossible.

N.0° 2' W., bet. secs. 27 and 28.
 Over mountainous land, through scattering undergrowth.
 Desc. N. slope, 60 ft. to
 5.50 Center of gulch, 1 ch. wide, course NW. Asc. S. slope, 40 ft.
 12.00 Asc. slight SW. slope to
 21.00 Thence along ridge, brs. N. and SSE.
 23.00 Desc. N. slope, 205 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S28 in W. and
 S27 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 41.00 Gulch, 15 lks. wide, course NW. Asc. SW. slope, 30 ft. to
 43.00 Desc. to
 45.00 Gulch, 10 lks. wide, course W. Asc. to
 53.25 Spur, extends 10 chs. W. Desc. N. slope, 135.
 68.00 Desc. NE. slope to
 73.50 Gulch, 8 lks. wide, course NW. Asc. SW. slope, 35 ft. to
 74.35 Spur, extends 2 chs. W. Desc. N. slope to
 75.85 Wash, 15 lks. wide, course W. Asc. SW. slope, 100 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, on solid rock, in a mound of stone, for cor. of secs. 21, 22, 27 and 28, marked on brass cap
 1915 on S. rim;
 T16N R14W 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, ocotillo and scrub cedar.

N.89° 43' E., on a random line, bet. secs. 22 and 27.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.01 Intersect N. and S. line, at the cor. of secs. 22, 23, 26 and 27.
 Thence I run
 S.89° 43' W., on a true line, bet. secs. 22 and 27.
 Over rolling land, through scattering undergrowth.
 Asc. NE. slope, 40 ft. to
 6.00 Spur, brs. N. Desc. NW. slope, 80 ft. to

Chains.
 14.00 Center of gulch, 1 ch. wide, course N. Asc. NE. slope, 120 ft. to
 23.00 Spur, brs. N. Desc. NW. slope, 55 ft. to
 30.00 Center of wash, 1 ch. wide, course N. Asc. E. slope, 55 ft. to
 40.00 Thence along N. slope.
 40.00 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S22 in N. and
 S27 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 48.00 Desc. NW. slope, 45 ft. to
 53.00 Gulch, 5 lks. wide, course N. Asc. NE. slope to
 58.00 Low spur, brs. N. Desc. NW. slope to
 59.00 Gulch, 8 lks. wide, course N. Asc. E. slope, 35 ft. to
 64.00 Low spur, brs. N. Desc. NW. slope, 15 ft. to
 69.00 Gulch, course NE. Asc. E. slope, 65 ft. to
 74.00 Thence along N. slope to
 77.50 Desc. NW. slope, 30 ft. to
 80.01 The cor. of secs. 21, 22, 27 and 28.
 Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocotille and scrub cedar.

May 17, 1915.

June 2, 1915: At 7 hrs. 35 m., a.m., l.m.t., I set off 34° 42 $\frac{1}{2}$ ' N. on the lat. arc; 22° 7' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 21, 22, 27 and 28 which is an iron post, established by C. B., as described in book 2927.

Thence I run

N.0° 2' W., bet. secs. 21 and 22.

Over mountainous land, through scattering undergrowth.

Desc. NW. slope, 160 ft. to

20.90 Wash, 10 lks. wide, course W. Asc. SW. slope, 65 ft. to

24.30 Ridge, brs. E. and W. Desc. N. slope, 280 ft.

29.00 Desc. NW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

1915 on S. rim;

$\frac{1}{4}$ S21 in W. and

S22 in E. half;

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

42.80 Center of gulch, 1 ch. wide, course NE. Asc. SE. slope, 105 ft. to

51.30 Ridge, brs. NE. and SW. Desc. NW. slope, 230 ft. to

66.50 Wash, 20 lks. wide, course NE. Thence along E. slope.

79.20 Enter circular corral, 1 chs. in diam.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked on brass cap

1915 on S. rim;

T16N R14W 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, mountainous.

Soil, rocky; 4th rate.

No timber.

Subdivision of T. 16 N., R. 14 W.

Chains.

Undergrowth, greasewood, palo verde, ocotilla and scrub cedar.

40.00 N.89° 43' E., on a random line, bet. secs. 15 and 22.
Set temp. $\frac{1}{4}$ sec. cor.

79.95 Intersect N. and S. line, 19 lks. N. of the cor. of secs. 14, 15, 22 and 23.
Thence I run
S.89° 51' W., on a true line, bet. secs. 15 and 22.
Over rolling land, through scattering undergrowth.
Desc. NW. slope to

2.95 Center of wash, 2 chs. wide, course NE. Thence along slight N. slope to

22.95 Draw, course N. Asc. E. slope, 190 ft. to

33.00 Asc. SE. slope, 35 ft. to

39.45 Ridge, brs. NNE. and SSW. Desc. NW. slope, 20 ft.

39.97 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S15 in N. and
S22 in S. half;
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

43.45 Gulch, 10 lks. wide, course N. Asc. E. slope; 35 ft. to

47.95 Thence along N. slope to

49.45 Desc. NW. slope, 115 ft.

66.60 Gulch, 10 lks. wide, course NE. Asc. E. slope, 40 ft. to

71.75 Spur, extends 2 chs. N. Desc. W. slope, 110 ft. to

77.00 Wash, course N. Thence over level land.

79.47 Enter circular corral, 2 chs. in diam.

79.95 The cor. of secs. 15, 16, 21 and 22.
Land, level and rolling.
Soil, rocky; 4th rate and sandy, 3rd rate.
No timber.
Undergrowth, greasewood, palo verde, ocotilla and scrub cedar.

N.0° 2' W., bet. secs. 15 and 16.
Over rolling land, through scattering undergrowth.

.38 Leave circular corral.

2.00 Asc. SE. slope, 25 ft. to

6.00 Low spur, extends 1 ch. E. Desc. N. slope, 25 ft. to

8.00 Enter edge of wash, course NNW.

15.00 Leave edge of wash, course NNE. Asc. SE. slope, 75 ft. to

23.00 Thence along E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S16 in W. and
S15 in E. half;
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

41.30 Desc. NW. slope, 50 ft. to

46.30 Wash, 10 lks. wide, course NE. Asc. SE. slope, 15 ft. to

49.75 Rock spur, brs. E. 50 lks. Desc. NE. slope, 55 ft. to

57.60 Center of gulch, 1 ch. wide, course E. Asc. S. slope, 35 ft. to

65.00 Spur, extends 10 chs. NE. Desc. NW. slope, 100 ft. to

75.25 Center of wash, 2 chs. wide, course NE. Asc. SE. slope, 55 ft. to

78.70 Spur, extends 5 chs. NE. Desc. N. slope, 20 ft. to

80.00 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

Chains.

secs. 9, 10, 15 and 16, marked on brass cap

1915 on S. rim;

T16N R14W in N. half;

S9 in NW.,

S10 in NE.,

S15 in SE. and

S16 in SW. quadrant; from which

A cedar, 5 ins. diam., brs. N.70° E., 68 lks. dist.,
marked T16N R14W S10 BT.A cedar, 8 ins. diam., brs. S.8° E., 53 lks. dist.,
marked T16N R14W S15 BT.A cedar, 8 ins. diam., brs. S.57½° W., 46 lks. dist.,
marked T16N R14W S16 BT.A cedar, 5 ins. diam., brs. N.29¼° W., 111 lks. dist.,
marked T16N R14W S9 BT.

Land, rolling.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, mesquite, cacti and scrub cedar.
June 2, 1915.

June 7, 1915: At 7 hrs. 30 m., a.m., l.m.t., I set off
34° 44½' N. on the lat. arc; 22° 42' N. on the decl.
arc; and determine a meridian with the solar at the
cor. of secs. 9, 10, 15 and 16.

Thence I run

N.89° 51' E., on a random line, bet. secs. 10 and 15.

40.00 Set temp. ¼ sec. cor.

80.05 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
10, 11, 14 and 15,

Thence I run

S.89° 50' W., on a true line, bet. secs. 10 and 15.

Over level land, through scattering undergrowth.

Along S. edge of wide wash, or drainage channel.

20.05 Wash, 50 lks. wide, course NE.

40.02½ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for ¼ sec. cor., marked on brass cap

1915 on S. rim;

¼S10 in N. and

S15 in S. half;

and raise a mound of stone, 2 ft. base, 1½ ft. high,
N. of cor. Pits impracticable.73.00 Leave drainage channel, course ESE. Asc. NE. slope, 55
ft. to

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

Land, level and rolling.

Soil, sandy; 4th rate.

No timber.

Undergrowth, greasewood, palo verde, ocetille and scrub
cedar.

June 7, 1915.

June 5, 1915.

N.0° 2' W., bet. secs. 9 and 10.

Over rolling land, through dense undergrowth.

Desc. N. slope, 35 ft. to

1.50 Enter wash, or drainage channel, course E.

14.00 Leave drainage channel, course E. Asc. SW. slope, 460 ft.

25.00 Asc. SE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for ¼ sec. cor., marked on brass cap

1915 on S. rim;

¼S9 in W. and

S10 in E. half;

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

Chains.

42.00 Asc. S. slope.
 43.80 Wire fence, brs. NW. and SE.
 48.70 Ridge, brs. E. and W. Desc. NE. slope, 125 to
 54.00 Gulch, 50 lks. wide, course E. Asc. S. slope, 125 ft. to
 60.00 Ridge, brs. E. and W. Desc. NE. slope, 175 ft. to
 66.80 Center of gulch, 1 ch. wide, course SE. Asc. S. slope,
 270 ft. to
 77.00 Ridge, brs. ESE. and WNW. Desc. NE. slope, 20 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 3, 4, 9 and 10, marked on
 brass cap
 1915 on S. rim;
 T16N R14W in N. half;
 S4 in NW.,
 S3 in NE.,
 S10 in SE. and
 S9 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor. Pits impracticable.
 Land, rolling and mountainous.
 Soil, sandy and rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, mesquite, cat claw and scrub
 cedar.
 June 5, 1915: At this cor., I set off 22° 30' N. on the
 decl. arc; and at apparent noon, I observe the sun on
 the meridian; the resulting lat. is 34° 45' N.
 June 5, 1915.

40.00 June 7, 1915:
 N. 89° 50' E., on a random line, bet. secs. 3 and 10.
 Set temp. ¼ sec. cor.
 79.98 Intersect N. and S. line, 14 lks. N. of the cor. of secs.
 2, 3, 10 and 11.
 Thence I run
 S. 89° 56' W., on a true line, bet. secs. 3 and 10;
 Over mountainous land, through scattering undergrowth.
 Asc. NE. slope, 65 ft. to
 3.70 Ridge, brs. NW. and SE. Desc. SW. slope to
 13.00 Head of wash, course SE. Asc. E. slope, 35 ft. to
 15.00 Spur, extends 6 chs. SE. Desc. SW. slope, 35 ft. to
 21.00 Wash, 10 lks. wide, course SE. Asc. NE. slope, 90 ft.
 23.20 Wire fence, brs. NW. and SE.
 28.70 Ridge, brs. NW. and SE. Desc. SW. slope, 95 ft. to
 36.40 Wash, 30 lks. wide, course SE. Asc. NE. slope, 10 ft. to
 39.10 Spur, extends 2 chs. SE. Desc. SW. slope, 75 ft.
 39.99 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap
 1915 on S. rim;
 S3 in N. and
 S10 in S. half;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 N. of cor. Pits impracticable.
 44.10 Center of gulch, 1 ch. wide, course SE. Asc. E. slope,
 190 ft. to
 59.00 Ridge, brs. NW. and SE. Desc. SW. slope, 140 ft. to
 67.00 Gulch, 50 lks. wide, course SE. Asc. NE. slope, 205 ft.
 to
 79.98 The cor. of secs. 3, 4, 9 and 10.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, mesquite, cat claw, palo verde and scrub
 cedar.
 June 7, 1915.

Chains.	
	June 5, 1915.
	N.0° 2' W., on a random line, bet. secs. 3 and 4.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.48	Intersect N. bdy. of Tp., 23 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".
	Thence I run
	S.0° 8' W., on a true line, bet. secs. 3 and 4.
	Over mountainous land, through scattering undergrowth.
	Asc. slightly to
2.50	Desc. S. slope, 130 ft. to
11.25	Center of wash, 3 chs. wide, course E. Asc. NE. slope, 35 ft. to
13.50	Spur, extends 1 ch. E. Desc. SE. slope, 35 ft. to
15.50	Wash, 50 lks. wide, course NE. Asc. NW. slope, 145 ft.
25.50	Spur, brs. NE. Asc. NE. slope to
30.50	Ridge, brs. NW. and SE. Desc. S. slope, 50 ft. to
39.50	Wash, 20 lks. wide, course E. Asc. N. slope, 40 ft.
40.48	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; $\frac{1}{4}$ S4 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.
44.50	Ridge, brs. NW. and SE. Desc. SW. slope, 20 ft.
45.75	Road, brs. NW. to San Francisco Mine, and Cedar, and SE. to Signal.
46.40	Wire fence, brs. NW. and SE.
48.60	Wash, 30 lks. wide, course SE. Asc. NE. slope, to
51.50	Spur, extends 10 chs. E. Desc. SE. slope, 40 ft. to
55.50	Center of wash, 1 ch. wide, course E. Asc. NE. slope, 110 ft. to
65:35	Ridge, brs. NW. and SE. Desc. S. slope, 140 ft. to
71.90	Gulch, 30 lks. wide, course SE. Asc. NE. slope, 125 ft. to
80.48	The cor. of secs. 3, 4, 9 and 10. Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocetilla, scrub cedar and cacti.
	June 5, 1915.

	May 18, 1915: At 7 hrs. 15 m., a.m., l.m.t., I set off 34° 41' N. on the lat. arc; 19° 25' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 4, 5, 32 and 33, which is an iron post, established by C. D., as described in Book "A".
	Thence I run
	N.0° 2' W., bet. secs. 32 and 33.
	Over mountainous land, through dense undergrowth.
	Desc. N. slope, 50 ft. to
8.50	Gulch, 10 lks. wide, course NW. Asc. slight SW. slope to
10.00	Spur, extends 2 chs. W. Desc. NW. slope, 195 ft. to
32.50	Gulch, course NW. Asc. SW. slope, 65 ft. to
38:25	Spur, extends 5 chs. W. Desc. N. slope, 115 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S32 in W. and S33 in E. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
46.00	Desc. NE. slope, 35 ft.
52.20	Road, brs. NE. to Signal, and SW. to Chicken Springs and Yucca.
54.00	Draw, course NE. Thence along E. slope to:

Subdivision of T. 16 N., R. 14 W.

Chains.
 60.00 Desc. N. slope, 85 ft.
 77.60 Road, brs. E. to Signal, and W. to San Francisco Mine and Cedar.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, on solid rock, in a mound of stone, for cor. of secs. 28, 29, 32 and 33, marked on brass cap
 1915 on S. rim;
 T16N R14W 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, 1½ ft. high, W. of cor. Pits impracticable.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, scrub oak, scrub cedar and cacti.

40.00 S. 89° 57' E., on a random line, bet. secs. 28 and 33.
 Set temp. ¼ sec. cor.
 80.03 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 27, 28, 33 and 34.
 Thence I run
 N. 89° 54' W., on a true line, bet. secs. 28 and 33.
 Over rolling land, through dense undergrowth.
 Asc. slight NE. slope to
 2.50 Thence along N. slope to
 7.50 Desc. NW. slope, 145 ft. to
 24.00 Gulch, 15 lks. wide, course NE. Asc. E. slope, 100 ft.
 40.01½ Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on solid rock, in a mound of stone, for ¼ sec. cor., marked on brass cap
 1915 on S. rim;
 ¼S28 in N. and
 S33 in S. half;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
 42.00 Low spur, brs. NE. Desc. slight NW. slope to
 47.00 Draw, course NE. Asc. E. slope, 90 ft. to
 63.70 Ridge, brs. N. and S. Desc. W. slope, 140 ft. to
 78.00 Center of draw, 3 chs. wide, course N. Asc. slightly to
 80.03 The cor. of secs. 28, 29, 32 and 33.
 Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocatilla, scrub oak and scrub cedar.

N. 0° 2' W., bet. secs. 28 and 29.
 Over rolling land, through dense undergrowth.
 Desc. slight NE. slope to
 4.00 Center of draw, 3 chs. wide, course NNW. Asc. slight SW. slope, 40 ft. to
 14.00 Ridge, brs. NW. and SE. Desc. NE. slope, 70 ft. to
 33.00 Draw, course NE. Asc. SE. slope, 15 ft. to
 35.00 Spur, extends 1 ch E. Desc. W. slope, 50 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, on solid rock, in a mound of stone, for ¼ sec. cor., marked on brass cap
 1915 on S. rim;
 ¼S29 in W. and
 S28 in E. half;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,

Chains.

W. of cor. Pits impracticable.
 45.00 Draw course NE. Asc. slight SE. slope, 50 ft.
 50.00 Asc. SW. slope to
 58.50 Spur, extends 4 chs. W. Desc. NW. slope, 25 ft. to
 66.00 Gulch, course W. Asc. SW. slope, 70 ft. to
 74.00 Ridge, brs. E. and W. Desc. N. slope, 50 ft. to
 78.00 Gulch, 15 lks. wide, course NE. Asc. SE. slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the
 ground, on solid rock, in a mound of stone, for cor. of
 secs. 20, 21, 28 and 29, marked on brass cap
 1915 on S. rim;
 T16N R14W 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, 1½ ft. high,
 W. of cor. Pits impracticable.
 Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocatilla and scrub
 cedar.
 May 18, 1915: At this cor., I set off 19° 27' N. on the
 decl. arc; and at apparent noon, I observe the sun on
 the meridian; the resulting lat. is 34° 42½' N.

S. 89° 54' E., on a random line, bet. secs. 21 and 28.
 40.00 Set temp. ¼ sec. cor.
 80.04 Intersect N. and S. line, 5 lks. S. of the cor. of secs.
 21, 22, 27 and 28.
 Thence I run
 N. 89° 56' W., on a true line, bet. secs. 21 and 28.
 Over mountainous land, through dense undergrowth.
 Desc. on spur, brs. W., 245 ft.
 3.75 Desc. SW. slope to
 13.55 Center of gulch, 1 ch. wide, course NW. Asc. NE. slope,
 120 ft. to
 25.55 Spur, extends 5 chs. NE. Desc. NW. slope to
 27.05 Gulch, course NE. Asc. E. slope, 110 ft. to
 38.55 Ridge, brs. N. and S. Desc. NW. slope, 10 ft.
 40.02 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
 ground, on solid rock, in a mound of stone, for ¼ sec.
 cor., marked on brass cap
 1915 on S. rim;
 ¼ S21 in N. and
 S28 in S. half;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 N. of cor. Pits impracticable.
 41.55 Gulch, 5 lks. wide, course NE. Asc. E. slope, 65 ft. to
 46.55 Thence along S. slope to
 53.55 Desc. W. slope, 85 ft. to
 60.05 Gulch, 10 lks. wide, course NW. Asc. E. slope, 45 ft. to
 70.05 Spur, brs. E. Desc. NW. slope, 35 ft. to
 75.05 Gulch, 15 lks. wide, course NE. Asc. E. slope, 55 ft. to
 80;04 The cor. of secs. 20, 21, 28 and 29.
 Land, mountainous.
 Soil; rocky; 4th rate.
 No timber.
 Undergrowth, scrub oak, scrub cedar and cacti.

N. 0° 21' W., bet. secs. 20 and 21.
 Over mountainous land, through dense undergrowth.
 1.60 Desc. N. slope, 205 ft. to
 20.50 Draw, course NE. Asc. SE. slope, 30 ft. to

Subdivision of T. 16 N., R. 14 W.

23.

Chains.	
27.00	Ridge, brs. NE. and SW. Desc. N. slope, 25 ft. to
28.30	Center of wash, 2 chs. wide, course NE. Asc. SE. slope, 100 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S20 in W. and S21 in E. half; from which A cedar, 6 ins. diam., brs. N.69° E., 98 lks. dist., marked $\frac{1}{4}$ S21 BT. A cedar, 6 ins. diam., brs. S.78° W., 42 lks. dist., marked $\frac{1}{4}$ S20 BT.
43.00	Spur, brs. E. Desc. NE. slope, 15 ft. to
48.00	Gulch, course NE. Asc. SE. slope, 65 ft. to
58.00	Desc. N. slope, 35 ft. to
73.00	Gulch, course NE. Asc. SE. slope, 55 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, marked on brass cap 1915 on S. rim; T16N R14W in N. half; S17 in NW., S16 in NE., S21 in SE. and S20 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil; rocky; 4th rate. No timber. Undergrowth, scrub oak, scrub cedar, cacti, and ocotillo. May 18, 1915.

	June 3, 1915: At 7 hrs. 30 m., a.m., l.m.t., I set off 34° 43 $\frac{1}{2}$ ' N. on the lat. arc; 22° 14 $\frac{1}{2}$ ' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 16, 17, 20 and 21. Thence I run S.89° 56' E., on a random line, bet. secs. 16 and 21.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line, 9 lks. N. of the cor. of secs. 15, 16, 21 and 22. Thence I run N.89° 52' W., on a true line, bet. secs. 16 and 21. Over mountainous land, through dense undergrowth.
.74	Leave corral, asc. SE. slope, 50 ft. to
5.00	Spur, brs. NE. Desc. W. slope, 25 ft. to
7.00	Wash, 10 lks. wide, course N. Asc. NE. slope, 45 ft. to
15.00	Thence along N. slope to
21.70	Box canyon, 1 ch. wide, 50 ft. deep, course NE. Asc. SE. slope, 255 ft. to
38.50	Spur, brs. S. Desc. SW. slope to
39.80	Gulch, 5 lks. wide, course S. Asc. SE. slope, 90 ft.
40.02	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S16 in N. and S21 in S. half; from which A cedar, 6 ins. diam., brs. N.82 $\frac{1}{4}$ ° W., 45 lks. dist., marked $\frac{1}{4}$ S16 BT. A cedar, 6 ins. diam., brs. S.75 $\frac{1}{2}$ ° W., 44 lks. dist., marked $\frac{1}{4}$ S21 BT.
46.75	Ridge, brs. NE and SW. Desc. NW. slope, 40 ft. to
52.00	Wash, 10 lks. wide, course N. Asc. NE. slope, 60 ft. to
64.40	Ridge, brs. N. and S. Desc. NW. slope, 30 ft. to
73.00	Wash, 50 lks. wide, course N. Asc. E. slope, 60 ft. to
80.04	The cor. of secs. 16, 17, 21 and 22.

Chains.	
	<p>Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, scrub oak and scrub cedar. June 3, 1915.</p>
	<p>June 1, 1915. N.0° 2' W., bet. secs. 16 and 17. Over mountainous land, through dense undergrowth. Asc. slight S. slope to</p>
9.50	Desc. N. slope, 65 ft. to
14.40	Gulch, 10 lks. wide, course W. Asc. SW. slope, 60 ft. to
37.00	Low spur, brs. to NW. Desc. N. slope, 160 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S17 in W. and S16 in E. half; from which
	A cedar, 5 ins. diam., brs. S.9° E., 23 lks. dist., marked $\frac{1}{4}$ S16 BT.
	A cedar, 6 ins. diam., brs. S.41 $\frac{1}{4}$ ° W., 86 lks. dist., marked $\frac{1}{4}$ S17 BT.
53.00	Gulch, 15 lks. wide, course NW.
55.00	Same gulch, course NE. Asc. SE. slope to
56.50	Low spur, extends 5 chs. NE. Desc. N. slope, 155 ft.
61.00	Desc. NW. slope to
74.60	Center of gulch, 1 ch. wide, course NE. Asc. SE. slope, 85 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, on solid rock, in a mound of stone, for cor. of secs. 8, 9, 16 and 17, marked on brass cap 1915 on S. rim; T16N R14W in N. half; S8 in NW., S9 in NE., S16 in SE. and S17 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	<p>Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, scrub oak, scrub cedar and cacti. June 1, 1915: At this cor., I set off 21° 59$\frac{1}{2}$' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 44$\frac{1}{2}$' N.</p> <p style="text-align: right;">June 1, 1915.</p>
	<p>June 5, 1915: At 7 hrs. 30 m., a.m., 1.m.t., I set off 34° 44$\frac{1}{2}$' N. on the lat. arc; 22° 29$\frac{1}{2}$' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 8, 9, 16 and 17.</p>
	Thence I run
40.00	S.89° 52' E., on a random line, bet. secs. 9 and 16.
80.09	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, at the cor. of secs. 9, 10, 15 and 16.
	Thence I run
	N.89° 52' W., on a true line, bet. secs. 9 and 16. Over mountainous land, through dense undergrowth. Asc. NE. slope, 75 ft. to
12.00	Spur, extends 1 ch. N. Desc. NW. slope, 35 ft. to
22.00	Center of wash, 1 ch. wide, course NE. Asc. E. slope, 135 ft. to
36.70	Spur, extends 2 chs. N. Desc. NW. slope to
37.70	Wash, 10 lks. wide, course N. Asc. NE. slope, 95 ft.

Chains.	
80.04	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 3, 4, 9 and 10. Thence I run N.89° 50' W., on a true line, bet. secs. 4 and 9. Over mountainous land, through scattering undergrowth. Asc. E. slope, 90 ft. to 7:50 Ridge, brs. NW. and SE. Desc. SW. slope, 195 ft. to 21.50 Center of gulch, 1 ch. wide, course SE. Asc. NE. slope, 265 ft. to 40.02 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S4 in N., and S9 in S. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. 40.10 Ridge, brs. NW. and SE. Desc. SW. slope, 40 ft. 45.75 Wire fence, brs. NW. and SE. 53.00 Wash, 15 lks. wide, course SE. Asc. E. slope, 25 ft. to 56.00 Spur, extends 2 chs. SE. Desc. SW. slope to 64.40 Wash, 30 lks. wide, course SE. Asc. E. slope, 125 ft. to 65.80 Spur, extends 2 chs. S. Desc. SW. slope, 25 ft. to 69.90 Wash, 50 lks. wide, course SE. Asc. NE. slope, 145 ft. to 79.85 Ridge, brs. NW. and SE. 80.04 The cor. of secs. 4, 5, 8 and 9. Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and scrub cedar.
40.00	N.0° 2' W., on a random line, bet. secs. 4 and 5. Set temp. $\frac{1}{4}$ sec. cor.
80.19	Intersect N. bdy. of Tp., 35 lks. W. of the cor. of secs. 4, 5, 32 and 33, which is an iron post, established by me, as described in Book "A". Thence I run S.0° 13' W., on a true line, bet. secs. 4 and 5. Over mountainous land, through scattering undergrowth. Asc. N. slope to 2.45 Desc. SW. slope, 90 ft. to 18.40 Wash, 10 lks. wide, course SE. Asc. NE. slope, 115 ft. to 33.20 Thence along E. slope 37.20 Desc. SE. slope. 40.19 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S5 in W. and S4 in E. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. 40.90 Head of wash, course SE. Asc. NE. slope, 95 ft. to 50.20 Ridge, brs. NW. and SE. Desc. SW. slope, 35 ft. to 57.80 Wash, 20 lks. wide, course SE. Asc. N. slope, 45 ft. to 64.20 Ridge, brs. NW. and SE. Desc. S. slope, 145 ft. to 73.05 Gulch, 30 lks. wide, course SE. Asc. 155 ft. to 80.00 Ridge, brs. NW. and SE. 80.19 The cor. of secs. 4, 5, 8 and 9. Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and scrub cedar.

June 3, 1915.
H. N. B.

Chains.	C.D.
	<p>May 18, 1915: At 8 hrs. 4 m., a.m., l.m.t., I set off 34° 41' N. on the lat. arc; 19° 25' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32, which is an iron post, established by me, as described in Book "A".</p> <p>Thence I run N.0° 3' W., bet. secs. 31 and 32. Over hilly land, through dense undergrowth. Desc. N. slope, 130 ft. to 13.00 Center of draw, course S.70° W. Asc. SE. slope, 75 ft. to 22.00 Spur, brs. SW. Desc. NW. slope, 20 ft. to 27.25 Wash, course SW. Asc. SE. slope, 120 ft. to 33.40 Spur, brs. SW. Desc. NW. slope, 85 ft. to 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; S31 $\frac{1}{4}$ in W. and S32 in E. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.</p> <p>45.50 Wash, course SW. Asc. S. slope, 155 ft. to 60.00 Ridge, brs. NW. and SE. Desc. NE. slope, 130 ft. to 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked on brass cap 1915 on S. rim; T16N R14W in N. half; S30 in NW., S29 in NE., S32 in SE. and S31 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.</p> <p>Land, hilly and rolling. Soil, rocky and sandy, 3rd rate. No timber. Undergrowth, scrub oak, scrub cedar, palo verde and cacti.</p>
40.00	S.89° 57' E., on a random line, bet. secs. 29 and 32.
80.11	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 14 lks. N. of the cor. of secs. 28, 29, 32 and 33. Thence I run N.89° 51' W., on a true line, bet. secs. 29 and 32. Over rolling land, through dense undergrowth.
4.00	Wood road, brs. NE. and SW.
13.75	Road, brs. NW. to San Francisco Mine and Cedar, and SE. to Signal. Wash, course NW.
40.05 $\frac{1}{2}$	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S29 in N. and S32 in S. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
61.75	Wash, course N. Leave rolling land, brs. N. and S. Asc. mountainous land, 215 ft. to
80.11	The cor. of secs. 29, 30, 31 and 32. Land, rolling and mountainous. Soil, rocky and sandy; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocotillo, scrub oak and scrub cedar.
	<p>May 18, 1915: At this cor., I set off 19° 27' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 42' N.</p> <p style="text-align: right;">May 18, 1915.</p>

Chains.

May 28, 1915.
 N. 89° 57' W., on a random line, bet. secs. 30 and 31.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 77.60 Intersect W. bdy. of Tp., 7 lks. S. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, established by me, as described in Book "A".
 Thence I run
 S. 89° 54' E., on a true line, bet. secs. 30 and 31.
 Over rolling land, through dense undergrowth.
 Asc. NW. slope, 55 ft. to
 12.15 Thence along N. slope to.
 17.00 Desc. NE. slope, 45 ft. to
 22.00 Wash, course N. Asc. W. slope, 65 ft. to
 29.00 Ridge, brs. N. and S. Desc. E. slope, 40 ft.
 37.60 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S30 in N. and
 S31 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 45.00 Thence along N. slope to
 48.150 Desc. NE. slope, 60 ft. to
 53.50 Wash, course NE. Asc. NW. slope, 20 ft. to
 56.60 Low spur, brs. N. Desc. NE. slope, 65 ft. to
 65.50 Draw, course N. Asc. NW. slope, 45 ft. to
 75.00 Spur, brs. N. Desc. E. slope to
 77.60 The cor. of secs. 29, 30, 31 and 32.
 Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocotillo, scrub oak and scrub cedar.
 May 28, 1915: The sky was overcast at noon, making an observation for lat. impossible.

May 28, 1915.

May 18, 1915.
 N. 0° 3' W., bet. secs. 29 and 30.
 Over rolling land, through dense undergrowth.
 Desc. NE. slope, 260 ft to
 24.50 Draw, course NE. Asc. 30 ft. to
 31.85 Spur, brs. NE. Desc. N. slope, 225 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 S30 $\frac{1}{4}$ in W. and
 S29 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked on brass cap
 1915 on S. rim;
 T16N R14W in N. half;
 S19 in NW.,
 S20 in NE.,
 S29 in SE. and
 S30 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 Land, rolling.
 Soil; rocky; 3rd rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocotillo and scrub cedar.

Chains.

S. 89° 51' E., on a random line, bet. secs. 20 and 29.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 20, 21, 28 and 29.
 Thence I run
 N. 89° 48' W., on a true line, bet. secs. 20 and 29.
 Over rolling land, through dense undergrowth.
 Asc. E. slope, 40 ft. to
 3.00 Ridge, brs. N. and S. Desc. W. slope, 85 ft. to
 14.60 Center of wash, 4 chs. wide, course N. Asc. E. slope, 80 ft. to
 19.00 Desc. to
 28.80 Wash, course NW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S20 in N.
 S29 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 53.70 Wash, course N.
 63.30 Road, brs. NW. to San Francisco Mine and Cedar, and SE. to **Signal**.
 80.00 The cor. of secs. 19, 20, 29 and 30.
 Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocotilla and scrub oak and cedar.
 May 18, 1915.

May 28, 1915.
 N. 89° 54' W., on a randomline, bet. secs. 19 and 30.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 77.40 Intersect W. bdy. of Tp., 11 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, established by me, as described in Book "A".
 Thence I run
 S. 89° 49' E., on a true line, bet. secs. 19 and 30.
 Over mountainous land, through dense undergrowth.
 Desc. E. slope, 340 ft. to
 30.00 Wash, 20 lks. wide, course N. Asc. slight NW. slope.
 37.40 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;
 $\frac{1}{4}$ S19 in N. and
 S30 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 46.00 Low spur, brs. N. Desc. NE. slope to
 50.00 Draw, course N. Asc. NW. slope, 60 ft. to
 57.50 Ridge, brs. N. and S. Desc. NE. slope, 150 ft. to
 77.40 The cor. of secs. 19, 20, 29 and 30.
 Land, rolling and mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocotilla, scrub oak and cedar.
 May 28, 1915.

May 18, 1915.
 N. 0° 3' W., bet. secs. 19 and 20.
 Over rolling land, through dense undergrowth.
 10.00 Road, brs. NW. to San Francisco Mine and Cedar, and SE. to **Signal**.
 31.00 Wash, course E.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

Chains.	
	<p>1915 on S. rim; S19 $\frac{1}{4}$ in W. and S20 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.</p>
42.50	Desc. gentle N. slope, 75 ft. to
59.50	Wash, course NE. Asc. slightly to
63.00	Desc. 105 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked on brass cap
	<p>1915 on S. rim; T16N R14W 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.</p>
	Land, gently rolling.
	Soil, rocky; 4th rate.
	No timber.
	Undergrowth, greasewood, palo verde, ocotilla and scrub cedar.
	May 18, 1915. C. D.
	<p>June 1, 1915: H. N. B. At 7 hrs. 45 m., a.m., l.m.t., I set off $34^{\circ} 43\frac{1}{2}'$ N. on the lat. arc; $21^{\circ} 58\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 17, 18, 19 and 20.</p>
	Thence I run
40.00	S. $89^{\circ} 48'$ E., on a random line, bet. secs. 17 and 20.
80.02	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. and S. line, 2 lks. S. of the cor. of secs. 16, 17, 20 and 21.
	Thence I run
	N. $89^{\circ} 49'$ W., on a true line, bet. secs. 17 and 20.
	Over hilly land, through dense undergrowth.
	Desc. NW. slope to
14.00	Wash, 10 lks. wide, course N. Asc. NE. slope, 25 ft. to
17.00	Spur, extends 6 chs. N. Desc. NW. slope, 25 ft. to
21.75	Wash, 15 lks. wide, course N. Asc. NE. slope, 35 ft. to
25.00	Ridge, brs. SSE. and NNW. Desc. SW. slope, 145 ft. to
34.60	Center of gulch, 1 ch. wide, course N. Asc. NE. slope, 115 ft. to
39.25	Spur, extends 6 chs. NW. Desc. W. slope, 70 ft.
40.01	Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
	<p>1915 on S. rim; S17 in N. and S20 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.</p>
44.40	Wash, 20 lks. wide, course N. Asc. E. slope, 100 ft. to
53.75	Ridge, brs. N. and S. Desc. W. slope, 90 ft. to
64.00	Center of wash, 1 ch. wide, course N. Asc. NE. slope, 45 ft. to
73.60	Ridge, brs. N. and S. Desc. NW. slope to
80.02	The cor. of secs. 17, 18, 19 and 20.
	Land, hilly.
	Soil, rocky; 4th rate.
	No timber.
	Undergrowth, greasewood, palo verde, ocotilla, scrub oak and scrub cedar.
	H. N. B. June 1, 1915.

Chains.

June 6, 1915: C. D.
 At 9 hrs. 5 m., a.m., l.m.t., I set off $34^{\circ} 43\frac{1}{2}'$ N. on the lat. arc; $22^{\circ} 36'$ N. 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. $89^{\circ} 49'$ W., on a random line, bet. secs. 18 and 19.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 77.31 Intersect W. bdy. of Tp., 26 lks. N. of the cor. of secs. 13, 18, 19 and 24, which is an iron post, established by me, as described in Book "A".
 Thence I run
 East on a true line, bet. secs. 18 and 19.
 Over rolling land, through dense undergrowth.
 Desc. E. slope, 70 ft. to
 5.00 Enter wash, course E. Comes from SE.
 19.30 Center of wash, 1.50 chs. wide, course NE. Old road in wash, brs. NE. and SW. Asc. to
 20.00 Desc. to
 28.00 Wash, course NE. Asc. NW. slope, 45 ft.
 37.31 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
 S19 in S. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 40.80 Road, brs. NW. to San Francisco Mine and Cedar, and SE. to Signal. Desc. 85 ft. to
 50.00 Asc. slightly to
 53.10 Old road, brs. NE. and SW. Desc. E. slope, 110 ft. to
 64.50 Center of wash, 60 lks. wide, course NE. Asc. W. slope to
 66.00 Desc. E. slope to
 75.60 Wash, course NE. Asc. NW. slope to
 77.31 The cor. of secs. 17, 18, 19 and 20.
 Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, scrub oak, scrub cedar, and cacti.

N. $0^{\circ} 3'$ W., bet. secs. 17 and 18.
 Over rolling land, through dense undergrowth.
 Desc. to
 2.70 Center of wash, 1.50 chs. wide, course NNE. Thence along W. edge of wash to
 10.00 Leave wash, course NE. Asc. SE. slope, 40 ft. to
 20.00 Spur, brs. E. Desc. N. slope, 15 ft. to
 26.00 Gulch, course E. Asc. SE. slope, 40 ft. to
 31.60 Spur, brs. NE. Desc. NW. slope, 130 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 S18 $\frac{1}{4}$ in W. and
 S17 in E. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 June 6, 1915: At this cor., I set off $22^{\circ} 36\frac{1}{2}'$ N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is $34^{\circ} 44'$ N.
 52.62 Center of wash, 1 ch. wide, course NE. Asc. SE. slope, 15 ft. to
 58.50 Spur, brs. E. Desc. N. slope to
 61.50 Draw, course E. Asc. S. slope, 50 ft. to
 68.50 Spur, brs. E. Desc. NE. slope, 55 ft. to
 73.30 Wash, 50 lks. wide, course SE. Asc. S. slope, 25 ft. to

Chains.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked on brass cap

1915 on S. rim;
T16N R14 W 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, 1½ ft. high, W. of cor. Pits impracticable.

Land, rolling.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde, ocotilla, scrub oak and scrub cedar.

C. D.
June 6, 1915.

H.N.B. & C.D.
June 3, 1915.
S. 89° 49' E., on a random line, bet. secs. 8 and 17.

40.00 Set temp. ¼ sec. cor.

80.05 Intersect N. and S. line, 11 lks. S. of the cor. of secs. 8, 9, 16 and 17.

Thence I run
N. 89° 54' W., on a true line, bet. secs. 8 and 17.
Over mountainous land, through dense undergrowth.
Asc. SE. slope, 70 ft. to

6.90 Ridge, brs. NE. and SW. Desc. W. slope, 40 ft. to

11.85 Wash, 20 lks. wide, course SE. Asc. E. slope, 175 ft. to

25.10 Spur, extends 5 chs. S. Desc. SW. slope, 70 ft. to

29.00 Wash, 30 lks. wide, course S. Asc. SE. slope, 95 ft. to

34.75 Spur, extends 6 chs. S. Desc. W. slope, 165 ft.

40.02½ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

1915 on S. rim;
¼S8 in N. and
S17 in S. half;

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

40.80 Center of gulch, 1 ch. wide, course SE. Asc. NE. slope, 95 ft. to

49.30 Spur, extends 4 chs. N. Desc. NW. slope, 75 ft. to

55.25 Enter same gulch, course NE. Comes from W.

60.30 Leave gulch, course E. Comes from NW. Asc. E. slope, 145 ft.

62.50 Asc. NE. slope to

66.20 Ridge, brs. N. and S. Desc. W. slope, 30 ft. to

68.15 Gulch, 10 lks. wide, course S. Asc. E. slope, 80 ft. to

73.00 Ridge, brs. N. and S. Desc. W. slope, 125 ft. to

78.30 Gulch, 15 lks. wide, course S. Asc. SE. slope to

79.00 Spur, extends 1 ch. S. Desc. SW. slope to

80.05 The cor. of secs. 7, 8, 17 and 18.

Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde, ocotilla, scrub oak and scrub cedar.

H. N. B. and C. D.
June 6, 1915.

June 6, 1915: C. D.
West on a random line, bet. secs. 7 and 18.

40.00 Set temp. ¼ sec. cor.

77.35 Intersect W. bdy. of Tp., 16 lks. S. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, established by me, as described in Book "A".

Chains.

Thence I run
 S. 89° 53' E., on a true line, bet. secs. 7 and 18.
 Over mountainous land, through dense undergrowth.
 Asc. NW. slope to

2.35 Spur, brs. NE. Desc. 95 ft. to
 13.35 Gulch, course NE. Asc. NW. slope, 80 ft. to
 15.65 Spur, brs. NE. Desc. SE. slope, 80 ft. to
 23.95 Gulch, 50 lks. wide, course NE. Asc. NW. slope, 140 ft.
 to

36.95 Spur, brs. NE. Desc. E. slope, 220 ft.
 ✓ 37.35 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;
 $\frac{1}{4}$ S7 in N. and
 S18 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor. Pits impracticable.

59.65 Gulch, course SE. Asc. SW. slope, 15 ft. to
 67.35 Desc. E. slope, 80 ft. to
 ✓ 77.35 The cor. of secs. 7, 8, 17 and 18.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocotilla, scrub oak
 and scrub cedar.

June 6, 1915.

June 8, 1915: At 8 hrs. 55 m., a.m., l.m.t., I set off
 34° 44 $\frac{1}{2}$ ' N. on the lat. arc; 22° 48' W. 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 mountainous land, through dense undergrowth.
 Asc. 40 ft. to

2.51 Spur, brs. E. Desc. slight NE. slope to
 7.25 Draw, course SE. Asc. SW. slope, 125 ft. to
 14.61 Spur, brs. E. Desc. W. slope, 135 ft. to
 22.54 Gulch, course SE. Stream of water in gulch, 2 lks. wide,
 2 ins. deep, course SE. Asc. SW. slope, 110 ft.

25.00 Asc. SE. slope to
 33.90 Spur, brs. SW. Desc. NW. slope, 75 ft.
 ✓ 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 S7 $\frac{1}{4}$ in W. and
 S8 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor. Pits impracticable.

49.93 Gulch, course SW. Asc. SE. slope, 105 ft.
 53.00 Asc. SW. slope to
 58.80 Spur, brs. SE. Thence along E. slope to
 65.00 Asc. SE. slope to
 69.70 Desc. 65 ft. to
 74.50 Wash, 10 lks. wide, course SE. Asc. 30 ft. to
 ✓ 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 5, 6, 7 and 8, marked on
 brass cap
 1915 on S. rim;
 T16N R14W in N. half;
 S6 in NW.,
 S5 in NE.,
 S8 in SE. and
 S7 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor. Pits impracticable.

Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocotilla, scrub oak

Chains.

and scrub cedar.

40.00 S. 89° 54' E., on a random line, bet. secs. 5 and 8.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.15 Intersect N. and S. line, 11 lks. S. of the cor. of secs. 4, 5, 8 and 9.
 Thence I run
 N. 89° 59' W., on a true line, bet. secs. 5 and 8.
 Over mountainous land, through scattering undergrowth.
 Desc. SW. slope, 95 ft. to
 5.15 Gulch, course SE. Asc. E. slope, 215 ft., along ridge, brs. E.
 40.07 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S5 in N. and
 S8 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 Thence along S. slope to
 45.15 Desc. W. slope, 55 ft. to
 66.15 Gulch, course SE. Asc. NE. slope, 60 ft. to
 75.15 Spur, brs. SE. Desc. SW. slope to
 80.15 The cor. of secs. 5, 6, 7 and 8.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocetille and scrub oak.
 June 8, 1915: At this cor., I set off 22° 48 $\frac{1}{2}$ ' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 45' N.

40.00 N. 89° 53' W., on a random line, bet. secs. 6 and 7.
 Set temp. $\frac{1}{4}$ sec. cor.
 77.22 Intersect W. bdy. of Tp., 2 lks. S. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, established by me, as described in Book "A".
 Thence I run
 S. 89° 52' E., on a true line, bet. secs. 6 and 7.
 Over rolling and mountainous land, through scattering undergrowth.
 Asc. to
 14.40 Desc. E. slope, 200 ft. to
 31.60 Wash, course SE. Asc. SW. slope, 25 ft.
 33.70 Old mine shaft, brs. S. 12 chs. dist.
 34.70 Spur, brs. SE. Desc. NE. slope, 35 ft.
 37.22 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;
 $\frac{1}{4}$ S6 in N. and
 S7 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 39.20 Wash, course SE. Asc. SW. slope, 70 ft. to
 50.20 Desc. slightly to
 52.20 Thence over rolling land.
 57.20 Wash, course S.
 65.20 Wash, course SE.
 67.70 Wash, course SE.
 77.22 The cor. of secs. 5, 6, 7 and 8.
 Land, rolling and mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocetille and scrub cedar.

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For FINAL OATH OF UNITED STATES SURVEYOR.

See Book "B."

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, February 15, 1917

The foregoing field notes of the survey of _____ the _____

Subdivision Lines of _____

Township 16 North, Range 14 West,

of the Gila and Salt River Base & Meridian, Arizona,

executed by H.N. Bradstreet and Carl Dyson, U.S. Transitmen,

under his special instructions dated _____ December 28, 1914, for Group 41, , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank A. Smith

Surveyor General.
of Arizona.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____

Book "P," _____, has been correctly copied from the original notes on file in this office.