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FEB 15 1917

BOOK 2928

BOOK "Q"  
FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines of

Township 16 North - Range 13 West

Of the Gila & Salt River Base & Meridian,

In the State of Arizona

EXECUTED BY

H. N. Bradstreet

and

Carl Dyson

Transitmen

In the capacity of U. S. ~~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 April 30, 1915.

Survey completed June 11, 1915.

Executed under assignment instructions dated Apr. 1-10 & 26, 1915

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1A

# Book "Q"

BOOK 2928

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Township 16 North, Range 13 West.

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3rd Guide Meridian West

Notes in Book "A".

Surveyed lines

Subdivision of T. 16 N., R. 13 W.

Chains.

Survey commenced Apr. 30, 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. The horizontal limbs are 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. N. B., C. D., and H. D. V., refer to H. N. Bradstreet, Carl Dyson and Hans D. Voigt, U. S. Transitmen, respectively.

Apr. 30, 1915.

May 1, 1915: At our camp in the south east quarter of sec. 22, T. 16 N., R. 13 W., in lat.  $34^{\circ} 42\frac{1}{2}'$  N., long.  $113^{\circ} 35\frac{1}{2}'$  W., at 2 hrs. 1 m., p.m., l.m.t., by our watches, which are set to correct local mean time, we set off  $34^{\circ} 42\frac{1}{2}'$  N. on the lat. arcs;  $14^{\circ} 57\frac{1}{2}'$  N. on the decl. arcs; and determine a meridian with each solar, and mark a point in the lines thus determined by tacks driven in pegs, 5 chs. N. of our stations.

Using transit No. 8539, which is equipped with full vertical circle, we determine a meridian from hour angle observations on Polaris as follows:-

With telescope direct.

Time, 7 hrs. 47 m. Angle from reference point, one of the points determined by solar observation, to star,  $0^{\circ} 58\frac{1}{2}'$  left.

With telescope reversed.

Time, 7 hrs. 55 m. Angle from reference point to star,  $0^{\circ} 57\frac{1}{2}'$  left.

Average time, 7 hrs. 51.5 m., p.m. Average angle,  $0^{\circ} 58'$  left.

Time of upper culmination, Greenwich Meridian, May 1, 1915.  
10 hrs. 55 m., a.m.

Correction for longitude	-1.3 m.
Correction for latitude	+ .6 "

Corrected time of upper culmination	10 hrs. 53.7 m. a.m.
Time elapsed since culmination	8 hrs. 57.8 m.

Azimuth corresponding to hour angle	$0^{\circ} 59'$
Bearing of reference line	N. $0^{\circ} 1'$ W.

May 1, 1915.

May 2, 1915.

At 8 hrs. 3 m., a.m., l.m.t., we set off  $34^{\circ} 42\frac{1}{2}'$  N. on the lat. arcs;  $15^{\circ} 11\frac{1}{2}'$  N. on the decl. arcs; and determine a meridian with each solar, and note the azimuths from these lines to the reference line.

The solars, by p.m. and a.m. observations, define positions for meridians which deviate less than  $1\frac{1}{2}'$  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.

The magnetic bearing of the true meridian, at 8 hrs. 15 m., a.m., l.m.t., is N.  $15^{\circ} 30'$  W.; the angle thus determined gives the mag. decl.  $15^{\circ} 30'$  E.

May 2, 1915.

2.

## Subdivision of T. 16 N., R. 13 W.

Chains.

- Apr. 30, 1915: C. D.  
 At 9 hrs. 4 m., a.m., l.m.t., I set off  $34^{\circ}41'$  N. on the lat. arc;  $14^{\circ}35\frac{1}{2}'$  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, properly set, marked and witnessed as described by the Surveyor-General.
- Thence I run  
 N.  $0^{\circ}1'$  W., bet. secs. 35 and 36.  
 Over level bottom land, through dense undergrowth.
- 7.20 Leave bottom land, asc. over bench land. Pete Noli's house brs. E. 7 chs. dist.
- 10.40 Irrigation ditch, 5 lks. wide, course S.  $50^{\circ}$  E. Leave dense, enter scattering undergrowth.
- 11.12 Road, brs. N.  $10^{\circ}$  W. to Kingman, and S.  $10^{\circ}$  E. to Signal and Signal.
- 11.60 Wash, course SW. Asc. 85 ft. to
- 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;  
 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.
- Desc. to
- 71.90 Wash, course SW. Asc. slightly.
- 74.10 Fence, brs. E. and W.
- 74.20 Ditch from Hot Springs, course W.  
 House brs. W. 6.00 chs. dist.
- 77.10 Old fence, brs. E. and W. House brs. E. 5.00 chs. dist.
- 78.50 Road, brs. E. to Hot Springs, and W. to Signal.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap  
 1915 on S. rim;  
 T16N R13W 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, level and rolling.  
 Soil, rocky; 3rd rate.  
 No timber.  
 Undergrowth, arrow-weed, mesquite, and cacti.
- Apr. 30, 1915: At this cor., I set off  $14^{\circ}37\frac{1}{2}'$  N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is  $34^{\circ}42'$  N.
- 
- 40.00 East on a random line, bet. secs. 25 and 36.  
 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.34 Intersect the Third Guide Meridian West 32 lks. N. of the 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.  $89^{\circ}46'$  W., on a true line, bet. secs. 25 and 36.  
 Over rolling land, through scattering undergrowth.  
 Asc. slightly to
- 17.75 Top of asc., brs. N.  $10^{\circ}$  E. and S.  $10^{\circ}$  W. Desc. W. slope to
- 20.35 Enter wide wash, course S.
- 20.85 Stream of water, 2 lks. wide, course S.  $10^{\circ}$  W.
- 39.85 Leave wash, asc. E. slope 60 ft.
- 40.17 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

Subdivision of T. 16 N., R. 13 W.

3.

Chains.

1915 on S. rim;  
 $\frac{1}{4}$ S25 in N. and  
 S36 in S. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor. Pits impracticable.

40.85 Top of hill, brs. N. and S. Desc. W. slope, through  
 dense undergrowth.

53.85 Wash, course SW. Asc. to  
 56.35 Desc. 100 ft. to  
 64.75 Road, brs. NE. to Hot Springs & SW. House brs. S. 150 chs.  
 74.00 Ditch, from Hot Springs, course SW.  
 80.34 The cor. of secs. 25, 26, 35 and 36.  
 Land, rolling.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and mesquite.  
 C. D.  
 Apr. 30, 1915.

H. N. B.  
 May 2, 1915: At 8 hrs. 5 m., a.m., l.m.t., I set off  $34^{\circ}$   
 $42'$  N. on the lat. arc;  $15^{\circ} 11\frac{1}{2}'$  N. on the decl. arc;  
 and determine a meridian with the solar at the cor. of  
 secs. 25, 26, 35 and 36.  
 Thence I run  
 N.  $0^{\circ} 1'$  W., bet. secs. 25 and 26.  
 Over rolling land, through scattering undergrowth.  
 Asc. S. slope, 50 ft. to  
 2.40 Spur, brs. SW. Desc. N. slope, 40 ft. to  
 6.00 Gulch, 50 lks. wide, course SW. Asc. SE. slope, 225 ft. to  
 22.50 Ridge, brs. E. and W. Desc. N. slope, 50 ft. to  
 31.46 Gulch, 10 lks. wide, course W. Asc. 40 ft. to  
 40.00 Top of hill. 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;  
 $\frac{1}{4}$ S26 in W. and  
 S25 in E. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor. Pits impracticable.  
 Desc. NW. slope, 120 ft. to  
 62.20 Gulch, 25 lks. wide, course W. Asc. SE. slope, 15 ft. to  
 67.95 Spur, brs. SW. Desc. NE. slope, 70 ft. to  
 73.85 Old road, brs. NE. and SW. Thence over level land.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the  
 ground, for cor. of secs. 23, 24, 25 and 26, marked on  
 brass cap  
 1915 on S. rim;  
 T16N R13W 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.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocatillo and cacti.  
 May 2, 1915: At this cor., I set off  $15^{\circ} 14'$  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.

40.00 S.  $89^{\circ} 46'$  E., on a random line, bet. secs. 24 and 25.  
 80.31 Set temp.  $\frac{1}{4}$  sec. cor.  
 Intersect Third Guide Meridian West, 21 lks. S. of the cor.

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## Subdivision of T. 16 N., R. 13 W.

Chains.	<p>of secs. 19, 24, 25 and 30, which is an iron post, properly set, marked and witnessed as described by the Surveyor-General.</p> <p>Thence I run N.89° 55' W., on a true line, bet. secs. 24 and 25. Over rolling land, through scattering undergrowth. Asc. SE. slope, 105 ft. to Ridge, brs. NE. and SW. Desc. NW. slope, 110 ft. to Gulch, 15 lks. wide, course SW. Asc. slightly to Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on solid rock, in a mound of stone, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap 1915 on S. rim; <math>\frac{1}{4}</math>S24 in N. and S25 in S. half; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable.</p> <p>Desc. NW. slope, 205 ft. to Foot of desc., brs. NE. and SW. Thence over level land. Wash, 25 lks. wide, course NW. The cor. of secs. 23, 24, 25 and 26. Land, level and rolling. Soil, rocky; 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde, and cacti. May 2, 1915.</p>
7.85	
33.10	
40.15 $\frac{1}{2}$	
44.80	
60.30	
79.30	
80.31	
	<p>May 3, 1915: At 7 hrs. 10 m. a.m., l.m.t., I set off 348° 42<math>\frac{1}{2}</math>' N. on the lat. arc; 15° 29<math>\frac{1}{2}</math>' on the decl. arc; and determine a meridian with the solar at the cor. of secs. 23, 24, 25 and 26.</p> <p>Thence I run N.0° 1' W., bet. secs. 23 and 24. Over level land, through dense undergrowth. Wash, 15 lks. wide, course NW. Wash, 10 lks. wide, course NW. Leave level land, brs. NW. and SE. Asc. SW. slope, 40 ft. to Spur, extends 1 ch. W. Desc. NW. slope, 20 ft. to Foot of desc., brs. NE. and SW. Thence over level land. Wash, 15 lks. wide, 3 ft. deep, course SW. Leave flat, brs. NE. and SW. Asc. SE. slope, 60 ft. to Top of mesa, brs. NE. and SW. Thence across level land. Wash, 15 lks. wide, course W. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, on solid rock, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap 1915 on S. rim; <math>\frac{1}{4}</math>S23 in W. and S24 in E. half; and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable. Asc. S. slope, 20 ft. to Low ridge, brs. NE. and SW. Desc. NW. slope, 20 ft. to Gulch, 50 lks. wide, 8 ft. deep, course SW. Asc. SE. slope 120 ft. to Top of mesa, brs. NE. and SW. Thence over level land. Desc. N. slope, 15 ft. to 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 R13W in N. half; S14 in NW., S13 in NE., S24 in SE. and S23 in SW. quadrant;</p>
1.50	
5.43	
15.00	
18.95	
20.54	
22.96	
24.00	
28.35	
36.55	
40.00	
45.00	
50.50	
62.30	
77.50	
80.00	

Subdivision of T. 16 N., R. 13 W.

5.

Chains.

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor. Pits impracticable.  
 Land, level and rolling.  
 Soil, rocky; 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, and cacti.

40.00  
 √ 80.39  
 5.00  
 11.60  
 20.40  
 32.80  
 √ 40.19½

S.89° 55' E., on a random line, bet. secs. 13 and 24.  
 Set temp. ¼ sec. cor.  
 Intersect Third Guide Meridian West, at the cor. of secs.  
 13, 18, 19 and 24, which is an iron post, properly set,  
 marked and witnessed as described by the Surveyor-  
 General.  
 Thence I run  
 N.89° 55' W., on a true line, bet. secs. 13 and 24.  
 Over rolling land, through dense undergrowth.  
 Asc. SE. slope, 60 ft. to  
 Ridge, brs. NE. and SW. Desc. NW. slope, 35 ft. to  
 Gulch, 30 lks. wide, course SW. Asc. SE. slope, 75 ft. to  
 Ridge, brs. NE. and SW. Desc. slight NW. slope to  
 Wash, 50 lks. wide, course SW. Asc. slight SE. slope to  
 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the  
 ground, on solid rock, for ¼ sec. cor., marked on brass  
 cap

1915 on S. rim;  
 ¼ S13 in N. and  
 S24 in S. half;

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

√ 80.39

Thence over nearly level land.  
 The cor. of secs. 13, 14, 23 and 24,  
 Land, level and rolling.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocetilla and cacti.

.65  
 8.00  
 13.65  
 18.00  
 23.90  
 28.00  
 33.00  
 36.30  
 √ 40.00  
 44.00  
 48.70  
 51.00  
 56.40  
 61.00  
 70.70  
 √ 80.00

N.0° 1' W., bet. secs. 13 and 14.  
 Over rolling land, through dense undergrowth.  
 Desc. N. slope, 20 ft. to  
 Wash, 20 lks. wide, course W. Asc. S. slope, 20 ft. to  
 Ridge, brs. E. and W. Desc. N. slope, 30 ft. to  
 Wash, 20 lks. wide, course W. Asc. S. slope, 30 ft. to  
 Ridge, brs. E. and W. Desc. N. slope, 30 ft. to  
 Wash, 30 lks. wide, course W. Asc. S. slope, 20 ft. to  
 Thence over level land.  
 Desc. N. slope 30 ft. to  
 Gulch, 15 lks. wide, course W. Asc. S. slope, 20 ft. 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;  
 ¼ S14 in W. and  
 S13 in E. half;  
 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor. Pits impracticable. Thence over rolling land.  
 Leave rolling land, brs. NE. and SW. Desc. 130 ft. to  
 Canyon, course W.  
 Wash, 40 lks. wide, course SW. in bottom of canyon. Asc.  
 SE. slope, 140 ft. to  
 Edge of mesa, brs. NE. and SW. Thence over level land.  
 Desc. NW. slope, 145 ft. to  
 Canyon, 50 lks. wide, course W. Asc. S. slope, 125 ft.  
 to  
 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the  
 ground, for cor. of secs. 11, 12, 13 and 14, marked on

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Subdivision of T. 16 N., R. 13 W.

Chains.	
	<p>brass cap</p> <p>1915 on S. rim; T16N R13W in N. half; S11 in NW., S12 in NE., S13 in SE. and S14 in SW. quadrant;</p> <p>and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.</p> <p>Land, level, rolling and mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocotilla and cacti. May 3, 1915: At this cor., I set off 15° 32' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 44½' N.</p>
40.00	S.89° 55' E., on a random line, bet. secs. 12 and 13. Set temp. ¼ sec. cor.
80.47	Intersect Third Guide Meridian West, 5 lks. N. of the 'cor. of secs. 7, 12, 13 and 18, which is an iron post, properly set, marked and witnessed as described by the Surveyor-General.
40.23½	Thence I run N.89° 53' W., on a true line, bet. secs. 12 and 13. Over level land, through scattering undergrowth. 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
68.50	1915 on S. rim; ¼S12 in N. and S13 in S. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
80.47	Desc. NW. slope, 150 ft. to Center of wash, 1 ch. wide, course SW. Asc. SE. slope, 65 ft. to The c or. of secs. 11, 12, 13 and 14. Land, level and rolling. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocotilla and cacti.
7.00	N.0° 1' W., bet. secs. 11 and 12. Over rolling land, through dense undergrowth.
14.10	Ridge, brs. E. and W. Desc. N. slope, 45 ft. to Center of wash, 60 lks. wide, course W.
27.75	Wash, 20 lks. wide, course W.
32.50	Enter ground subject to slight overflow by water, course W.
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
50.00	1915 on S. rim; ¼S11 in W. and S12 in E. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
55.00	Leave ground subject to overflow, course W. Asc. SW. slope to
65.00	Spur, brs. SW. Desc. N. slope, 55 ft. to Asc. SW. slope to
67.00	Spur ridge, extends 1 ch. W. Desc. N. slope, 25 ft. to
70.00	Wash, course W. Asc. SW. slope, 20 ft. to
72.00	Spur, extends 1 ch. W. Desc. to
78.00	Center of wash, 1 ch. wide, course SW.

Subdivision of T. 16 N., R. 13 W.

Chains.  
✓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 R13W in N. half;
- S2 in NW.,
- S1 in NE.,
- S12 in SE. and
- S11 in SW. quadrant;

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

Land, rolling.  
Soil, rocky; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocatilla and cacti.  
May 3, 1915.

40.00

May 8, 1915.  
S. 89° 53' E., on a random line, bet. secs. 1 and 12.  
Set temp. ¼ sec. cor.

✓80.25

Intersect Third Guide Meridian West, 7 lks. N. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, properly set, marked and witnessed as described by the Surveyor-General.

Thence I run  
N. 89° 50' W., on a true line, bet. secs. 1 and 12.  
Over broken land, through scattering undergrowth.

.75  
10.25  
17.25  
20.25  
29.25  
32.00  
35.25

Asc. SE. slope to  
Spur, brs. SW. Desc. NW. slope, 70 ft. to  
Foot of desc., brs. NE. and SW. Thence over level land.  
Asc. E. slope to  
Spur, brs. SW. Desc. W. slope, 75 ft. to  
Gulch, 15 lks. wide, course SW. Asc. SE. slope 40 ft. to  
Spur, brs. SW. Desc. NW. slope, 80 ft. to  
Asc. SE. slope, 35 ft.

✓40.12½

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 S1 in N. and
- S12 in S. half;

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

40.75  
44.25  
47.25  
50.25  
60.25  
63.00  
63.75  
67.25  
70.00  
77.25  
79.25  
80.00  
✓80.25

Spur, brs. SW. Desc. NW. slope, 40 ft. to  
Center of gulch, 1 ch. wide, course SW. Asc. SE. slope, 65 ft. to  
Spur, brs. SW. Desc. W. slope, 65 ft. to  
Thence over level land.  
Center of gulch, 1 ch. wide, course SW. Asc. SE. slope, 20 ft. to  
Spur, brs. SW. Desc. NW. slope, 25 ft. to  
Center of gulch, 1 ch. wide, course SW. Asc. SE. slope, 40 ft. to  
Spur, brs. SW. Desc. NW. slope, 30 ft. to  
Gulch, 50 lks. wide, course SW. Thence along S. slope.  
Desc. W. slope, 50 ft. to  
Enter wash, course SW.  
Leave wash, course SW.

The cor. of secs. 1, 2, 11 and 12.  
Land, very broken.  
Soil, sandy, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering greasewood.  
May 8, 1915: At this cor., I set off 16° 57½' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 45' N. ✓

Chains.	
	N.0° 1' W., on a random line, bet. secs. 1 and 2.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.46	Intersect N. bdy. of Tp., 26 lks. W. of the cor. of secs. 1, 2, 35 and 36, which is an iron post, properly set, marked and witnessed as described by the Surveyor-General.
	Thence I run
	S.0° 10' W., on a true line, bet. secs. 1 and 2.
	Over very broken land, through scattering undergrowth.
3.45	Asc. N. slope, 35 ft. to
4.45	Spur, extends 2 chs. W. Desc. S. slope, 80 ft. to
9.45	Wash, 50 lks. wide, course SW. Asc. NW. slope to
13.45	Spur, extends 10 chs. SW. Desc. SE. slope, 135 ft. to
30.50	Center of gulch, 1.25 chs. wide, course SW. Asc. NW. slope 75 ft. to
36.50	Spur, extends 5 chs. SW. Desc. S. slope, 95 ft.
39.46	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; $\frac{1}{4}$ S2 in W. and S1 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
41.00	Center of gulch, 1 ch. wide, course SW. Asc. NW. slope, 100 ft. to
49.45	Spur, brs. SW. Desc. S. slope, 55 ft. to
53.45	Wash, 30 lks. wide, course SW. Asc. NW. slope, 25 ft. to
58.00	Spur, brs. SW. Desc. S. slope, 45 ft. to
63.50	Center of gulch, 1.50 chs. wide, course SW. Asc. NW. slope 90 ft. to
70.75	Ridge, brs. NE. and SW. Desc. SE. slope, 150 ft. to
79.46	The cor. of secs. 1, 2, 11 and 12. Land, very broken. Soil, sandy and rocky; 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde, ocotilla and cacti. H. N. B. May 8, 1915.

May 3, 1915: C. D.

At 8 hrs. 0 m., a.m., l.m.t., I set off 34° 41' N. on the lat. arc; 15° 29 $\frac{1}{2}$ ' N. on the decl. arc; and determine a meridian with the solar at the true point for cor. of secs. 2, 3, 34 and 35, in a wash, from which the witness cor. to cor. of secs. 2, 3, 34 and 35, which is an iron post, properly set, marked and witnessed as described by the Surveyor-General, brs. S.0° 12' E., 2.00 chs. dist.

From the true point for cor. of secs. 2, 3, 34 and 35, I run

N.0° 1' W., bet. secs. 34 and 35.

Across wash, course E.

3.90 Leave wash, course E. Thence over rolling land, through scattering undergrowth. Asc. 25 ft. to

4.50 Bench, brs. E. and W. Asc. S. slope to

21.90 Old fence, brs. N.60° W., and S.60° E. Ridge, brs. NW. and SE.

40.00 A Cornwall's house brs. N.28° 10' E. Desc. N. 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

1915 on S. rim;

S34  $\frac{1}{4}$  in W. and

S35 in E. half;

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

48.00 Enter dense growth of mesquite, brs. E. and W.

50.00 A. Cornwall's house brs. E.

Subdivision of T. 16 N., R. 13 W.

9.

Chains.	
58.00	Road, brs. NW. to Kingman and SE. to Signal.
73.25	Irrigation ditch, course S.25° E.
76.10	Right bank of Big Sandy River, brs. NW. and SE.
80.00	Point for cor. of secs. 26, 27, 34 and 35 falls in River.
	I return to
75.50	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to cor. of secs. 26, 27, 34 and 35, marked on brass cap 1915 on S. rim; WC S. of center; T16N R13W in N. half; S27 in NW., S26 in NE., S35 in SE. and S34 in SW. quadrant; from which A mesquite, 10 ins. diam., brs. N.24 $\frac{1}{2}$ ° E., 26 lks. dist., marked WC T16N R13W S26 BT. A mesquite, 8 ins. diam., brs. S.7° E., 45 lks. dist., marked WC T16N R13W S35 BT. A mesquite, 8 ins. diam., brs. N.41 $\frac{1}{2}$ ° W., 62 lks. dist., marked WC T16N R13W S27 BT. No other suitable trees within limits. 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 rolling. Soil, 2nd and 3rd rate. No timber. Undergrowth, greasewood, cacti and mesquite. May 3, 1915: At this witness cor., I set off 15° 32' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 42' N.
	From the true point for cor. of secs. 26, 27, 34 and 35, I run East on a random line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.78	Intersect N. and S. line, 14 lks. N. of the cor. of secs. 25, 26, 35 and 36.
	Thence I run N.89° 54' W., on a true line, bet. secs. 26 and 35.
	Over level land, through scattering undergrowth.
9.50	Wash, course SW. Asc. E. slope to
11.10	Spur, extends 5.00 chs. S. Desc. W. slope to.
14.80	Wash, course S. Asc. to
23.10	L. C. Johnston's house brs. S.28° W., 7.00 chs. dist. Desc. SW. slope to
31.78	Road, brs. N.30° W. to Kingman, and S.30° E. to Signal.
32.20	Fence brs. N.30° W., and S.30° E.
32.50	Irrigation ditch, course SE.
34.40	Fence, brs. NE. and SW.
36.80	Fence, brs. NW. and SE.
38.80	Irrigation ditch, course SE.
39.89	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S26 in N. and S35 in S. half; dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
50.30	Fence, brs. N. and S. Desc. to
52.90	Enter dense growth of arrow-weed, brs. N. and S.
70.40	Enter bed of Big Sandy River, course S.
70.90	Enter water, course S.
72.90	Leave water, course S.
79.78	The true point for cor. of secs. 26, 27, 35 and 34. Land, level.

Chains.	
	Soil, alluvial, 1st and 2nd rate. No timber. Undergrowth, greasewood, mesquite and arrow-weed. C. D. May 3, 1915.
	May 6, 1915: E. N. B. At 7 hrs. 4 m., a.m., l.m.t., I set off 34° 42' N. on the lat. arc; 16° 22' N. on the decl. arc; and determine a meridian with the solar at the true point for cor. of secs. 26, 27, 34 and 35. Thence I run 0° 11' W. bet. secs. 26 and 27. Across Big Sandy River 26 and 27.
15.50	Leave bed of Big Sandy River. Right bank of river, brs. NE. and SW. Enter dense undergrowth, brs. NE. and SW. brs.
17.50	
18.00	Irrigation ditch, course SW. undergrowth, brs. NE. and SW.
26.10	T. J. Hardwick's two story adobe house brs. N. 42½° W.
31.33	Hardwick's fence, brs. E. and W. Corners 60 lks. W., one line W. and one brs. N. 10° W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1915 on S. rim; ¼ S27 in W. and S26 in E. half; dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor. From this cor., Hardwick's house brs. N. 86½° W.
42.50	Three strand barb wire fence brs. NW. and SE.
43.60	Road, brs. NW. to Kingman, and SE. to Signal.
44.80	Two strand wire fence, brs. NW. and SE. Enter dense timber and undergrowth. Thence across Hardwick's pasture.
52.20	Fence, brs. E. and W. Corners four chains W. and runs N., and also corners 3 chs. E. and runs N. Leave timber and undergrowth, thence across Hardwick's cleared field.
63.10	Wire fence, brs. E. and W. Corners 1 ch. E. and also 5 chs. W. Leave cleared land, enter dense undergrowth and scattering timber.
65.77	Three strand wire fence, brs. MNW. and SSE. Leave Hardwick's pasture.
78.00	Leave timber and undergrowth, brs. NW. and SE. Right bank of Big Sandy River, brs. NW. and SE.
80.00	Point for cor. of secs. 22, 23, 26 and 27 falls in Big Sandy River. I return to
75.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to cor. of secs. 22, 23, 26 and 27, marked on brass cap 1915 on S. rim; WC S. of center. T16N R13W in N. half; S22 in NW., S23 in NE., S26 in SE. and S27 in SW. quadrant; from which A cottonwood, 18 ins. diam., brs. N. 11½° E., 160 lks. dist., marked WC T16N R13W S23 BT. A willow, 36 ins. diam., brs. S. 45½° E., 117 lks. dist.; marked WC T16N R13W S26 BT. A willow, 48 ins. diam., brs. S. 73½° W., 121 lks. dist., marked WC T16N R13W S27 BT. A willow, 36 ins. diam., brs. N. 55½° W., 67 lks. dist., marked WC T16N R13W S22 BT. Land, level and rolling. Soil, sandy loam, alluvial, 1st and 2nd rate. Timber, cottonwood and willow. Undergrowth, dense mesquite and cat claw.

Subdivision of T. 16 N., R. 13 W.

Chains.

From the true point for cor. of secs. 22, 23, 26 and 27,  
I run  
S.89° 54' E., on a random line, bet. secs. 23 and 26.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.83 Intersect N. and S. line, 16 lks. N. of the cor. of secs.  
23, 24, 25 and 26.  
Thence I run  
N.89° 47' W., on a true line, bet. secs. 23 and 26.  
Over broken land, through scattering undergrowth.  
Asc. NE. slope, 60 ft. to  
12.85 Thence along broken N. slope to  
15.00 Desc. NW. slope, 80 ft., over slide rock, to  
22.85 Foot of desc., brs. NE. and SW. Thence over level land.  
27.25 Wash, 45 lks. wide, 2 ft. deep, course SW.  
27.85 Leave level land, brs. N. and S. Asc. SE. slope, 35 ft.  
to  
39.91 $\frac{1}{2}$  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;  
 $\frac{1}{4}$ S23 in N. and  
S26 in S. half;  
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
N. of cor. Pits impracticable.  
Desc. NW. slope, 50 ft. to  
47.25 Enter dense undergrowth, brs. N. and S. Foot of slope.  
48.36 W. A. Neal's Irrigation ditch, 6 lks. wide, 1 ft. deep,  
course S.  
48.46 Four strand wire fence, brs. NW. and SE. Leave dense  
undergrowth, enter cultivated land, seeded to sour  
clover. Field is round, extending 2 chs. N. and 3 chs.  
S. Belongs to W. A. Neal.  
56.30 Four strand barb wire fence, brs. NNE. and SSW. Enter  
dense undergrowth, brs. N. and S.  
58.90 Road, brs. NNW. and SSE. Leave undergrowth, brs. NNW. and  
SSE.  
61.50 Bank of Big Sandy River, 15 ft. high, brs. NW. and SE.  
Thence across river.  
79.83 The true point for cor. of secs. 22, 23, 26 and 27.  
Land, level and rolling.  
Soil, varies from rocky 4th rate to 1st rate alluvial soil.  
Timber, scattering cottonwood.  
Undergrowth, dense greasewood, mesquite, cat claw and  
arrow-weed.  
May 6, 1915: Absent from line, impossible to make lat.  
observation.

From the true point for cor. of secs. 22, 23, 26 and 27,  
I run  
N.0° 1' W., bet. secs. 22 and 23.  
Across Big Sandy River.  
25.00 Leave Big Sandy River, course SE. Thence through dense  
undergrowth.  
32.10 Neal's irrigation ditch, 5 lks. wide, 1 ft. deep, course  
SSE.  
32.90 Four strand wire fence, brs. NW. and SE.  
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;  
 $\frac{1}{4}$ S22 in W. and  
S23 in E. half; from which  
A cottonwood, 16 ins. diam., brs. S.73 $\frac{1}{4}$ ° E., 127 lks.  
dist., marked  $\frac{1}{4}$ S23 BT.  
A mesquite, 9 ins. diam., brs. S.71 $\frac{1}{2}$ ° W., 107 lks.  
dist., marked  $\frac{1}{4}$ S22 BT.  
56.20 Road, brs. NNW. and SSE.  
56.50 South west cor. of fence to William Brown's cleared land.  
Fence brs. E. and W. and also N.  
72.70 William Brown's adobe house brs. E. 2 chs. dist. Four

Chains.	
	strand barb wire fence, 30 lks E., brs. N. and S.
73.80	Corrugated iron house, brs. E. 60 lks. dist.
74.50	Fence, brs. NNW. and SSE.
76.00	Same fence, brs. NNE. and SSW.
77.00	Fence corners 60 lks. E. One line bears E., some SW. and one NW.
77.40	Fence, brs. NW. and SE.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked on brass cap
	1915 on S. rim; T16N R13W in N. half; S15 in NW., S14 in NE., S23 in SE. and S22 in SW. quadrant; from which
	A cottonwood, 42 ins. diam., brs. S.42 $\frac{1}{2}$ ° E., 215 lks. dist., marked T16N R13W S23 BT.
	A cottonwood, 13 ins. diam., brs. S.28° W., 107 lks. dist., marked T16N R13W S22 BT.
	A cottonwood, 24 ins. diam., brs. N.53 $\frac{1}{2}$ ° W., 191 lks. dist., marked T16N R13W S15 BT.
	No other trees within limits. 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.
	Soil, sandy, 2nd 3rd rate.
	Timber, scattering cottonwood.
	Undergrowth, dense arrow-weed, mesquite and cat claw.
	May 6, 1915.
	May 7, 1915: At 7 hrs. 32 m., a.m., l.m.t., I set off 34° 43 $\frac{1}{2}$ ' N. on the lat. arc; 16° 38 $\frac{1}{2}$ ' 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
40.00	S.89° 47' E., on a random line, bet. secs. 14 and 23.
79.80	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 5 lks. N. of the cor. of secs. 13, 14, 23 and 24.
	Thence I run
	N.89° 45' W., on a true line, bet. secs. 14 and 23.
	Over rolling land, through scattering undergrowth.
9.80	Desc. slight NW. slope to Center of gulch, 1 ch. wide, course SW. Asc. SE. slope, 30 ft. to
22.30	Desc. SW. slope, 50 ft. to
25.80	Center of gulch, 1.50 chs. wide, course SW. Asc. SE. slope, 45 ft. to
29.80	Thence over level land.
39.90	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; S14 in N. and S23 in S. half;
	and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
54.80	Leave level land, brs. NE. and SW. Desc. NW. slope, 110 ft. to
58.80	Center of gulch, 1 ch. wide, course SW. Asc. to
62.00	Spur, extends 1 ch. S. Desc. SW. slope, 40 ft. to
64.80	Foot of desc., brs. NW. and SE. Thence over level land.
78.30	Irrigation ditch, 5 lks. wide, 1 ft. deep, course S.
79.80	The cor. of secs. 14, 15, 22 and 23.
	Land, level and rolling.
	Soil, varies from 1st to rocky 4th rate.
	No timber, except on the first 5 chs. going east; scattering cottonwood.
	Undergrowth, dense mesquite, and cat claw, and scattering

Chains.	palo verde.
	N.0° 1' W., bet. secs. 14 and 15. Over level land, through dense undergrowth and scattering timber.
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; from which A mesquite, 8 ins. diam., brs. S.84° E., 20 lks. dist., marked $\frac{1}{4}$ S14 BT. A mesquite, 6 ins. diam., brs. S.30° W., 31 lks. dist., marked $\frac{1}{4}$ S15 BT.
	May 7, 1915: At this cor., I set off 16° 41' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 44' N.
62.80	Wire fence, brs. E. and W. Leave dense undergrowth, brs. E. and W. Enter O. O. Fullerton's cultivated land.
67.70	Irrigation ditch, 2 ft. wide, 1 ft. deep, course SE. Leave cultivated land, enter dense undergrowth, brs. NW. and SE.
71.00	Wire fence, brs. E. and W. Enter Fullerton's pasture.
75.30	Wire fence, brs. NW. and SE. Leave Fullerton's pasture.
79.00	Asc. slight SW. slope to
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 R13W in N. half; S10 in NW., S11 in NE., S14 in SE. and S15 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, level. Soil, sandy loam, 1st and 2nd rate. Timber, scattering cottonwood. Undergrowth, dense mesquite, cat. claw and greasewood.
40.00	S.89° 45' E., on a random line, bet. secs. 11 and 14. Set temp. $\frac{1}{4}$ sec. cor.
79.70	Intersect N. and S. line, 19 lks. S. of the cor. of secs. 11, 12, 13 and 14. Thence I run N.89° 53' W., on a true line, bet. secs. 11 and 14. Over gently rolling land, through dense undergrowth.
39.85	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; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
49.70	Desc. W. slope, 85 ft.
52.70	Desc. NW. slope to
58.70	Enter draw, course SW.
70.70	Leave draw, course SW. Asc. SE. slope, 55 ft. to
78.00	Spur, brs. SW. O. O Fullerton's House brs. S.66 $\frac{1}{2}$ ° W. Desc. W. slope, 45 ft. to
79.70	The cor. of secs. 10, 11, 14 and 15. Land, level and gently rolling. Soil, rocky; 4th rate. No timber. Undergrowth, dense greasewood, palo verde and cacti.

Chains.	N.0° 1' W., bet. secs. 10 and 11. Over broken land, through scattering undergrowth. Asc. S. slope, 45 ft. to 2.00 Low spur, brs. SW. Desc. N. slope, 65 ft. to 6.75 Enter draw, course SW. 10.00 Leave draw, course SW. Asc. SW. slope, 55 ft. to 12.00 Thence along W. slope to 21.00 Fullerton's house brs. S.23° W. Desc. N. slope, 30 ft. to 22.00 Wash, 50 lks. wide, course SW. Thence over level land. 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; from which A mesquite limb, 6 ins. diam., brs. N.59 $\frac{1}{4}$ ° E., 96 lks. dist., marked $\frac{1}{4}$ S11 BT. A mesquite, 6 ins. diam., brs. N. 76° W., 33 lks. dist., marked $\frac{1}{4}$ S10 BT. May 7, 1915. May 8, 1915: At 8 hrs. 0 m., a.m., 1.m.t., I set off 34° 45' N. on the lat. arc; 16° 55' N. on the decl. arc; and determine a meridian with the solar at the $\frac{1}{4}$ sec. cor. bet. secs. 10 and 11. Thence I continue N.0° 1' W., bet. secs. 10 and 11. 46.40 R. O. Comer's adobe house brs. N.22 $\frac{1}{8}$ ° W. 50.00 Leave undergrowth, brs. E. and W. 62.60 Wash, 25 lks. wide, course W. 74.25 Enter dense undergrowth, brs. E. and W. 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 R13W in N. half; S3 in NW., S2 in NE., S11 in SE. and S10 in SW. quadrant; from which A mesquite limb, 6 ins. diam., brs. N.48° E., 67 lks. dist., marked T16N R13W S2 BT. A mesquite, 8 ins. diam., brs. S.11° E., 101 lks. dist., marked T16N R13W S11 BT. A thorn, 5 ins. diam., brs. S.19 $\frac{1}{4}$ ° W., 27 lks. dist., marked T16N R13W S10 BT. A mesquite, 8 ins. diam., brs. N.20 $\frac{3}{4}$ ° W., 29 lks. dist., marked T16N R13W S3 BT. Land, level and broken. Soil, 1st and 2nd rate, sandy loam on level land; rocky, 4th rate on slopes. No timber. Undergrowth, greasewood, palo verde, mesquite and cat claw.
40.00	S.89° 53' E., on a random line, bet. secs. 2 and 11. Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line, 23 lks. N. of the cor. of secs. 1, 2, 11 and 12. Thence I run N.89° 43' W., on a true line, bet. secs. 2 and 11. Over mountainous land, through scattering undergrowth. Asc. SE. slope, 105 ft. to 5.80 Ridge, brs. N. and S. Thence over rolling land. 19.90 Desc. NW. slope, 200 ft., over cliffs. 28.90 Foot of desc., brs. NE. and SW. Thence over level land. 39.95 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

Chains.

1915 on S. rim;  
 $\frac{1}{4}$ S2 in N. and  
 S11 in S. half;  
 dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.  
 dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.  
 high, N. of cor.  
 49.90 Enter dense undergrowth, brs. N. and S.  
 ✓79.90 The cor. of secs. 2, 3, 10 and 11.  
 Land, level, rolling and mountainous.  
 Soil, rocky 4th rate on slopes and mesa; 1st and 2nd  
 rate on low level land.  
 No timber.  
 Undergrowth, scattering greasewood, palo verde, ocotillo  
 and cacti on mesa and slopes; dense mesquite and cat  
 claw on low level land.  
 May 8, 1915.

June 11, 1915: At 10 hrs. a.m., l.m., t., I set off  $34^{\circ}$   
 $45'$  N. on the lat. arc;  $23^{\circ} 3\frac{1}{2}'$  N. on the decl. arc;  
 and determine a meridian with the solar at the cor. of  
 secs. 2, 3, 10 and 11.  
 Thence I run  
 N.  $0^{\circ} 1'$  W., on a random line, bet. secs. 2 and 3.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 ✓79.40 Intersect N. bdy. of Tp., 5 lks. E. of the cor. of secs.  
 2, 3, 34 and 35, which is an iron post, properly set,  
 marked and witnessed as described by the Surveyor-  
 General.  
 Thence I run  
 S.  $0^{\circ} 3'$  E., on a true line, bet. secs. 2 and 3.  
 Over rolling land, through scattering undergrowth.  
 Asc. NW. slope to  
 3.40 Low ridge, brs. E. and W. Desc. SW. slope, 50 ft.  
 8.90 Desc. SE. slope to  
 12.65 Center of wash, 1 ch. wide, course SW. Asc. N. slope, 45  
 ft. to  
 17.40 Spur, extends 5 chs. W. Desc. S. slope to  
 21.65 Center of wash, 1.50 chs. wide, course SW. Asc. N. slope  
 to  
 23.40 Spur, extends 5 chs. W. Desc. SE. slope, 45 ft. to  
 30.00 Wash, 30 lks. wide, course SW. Asc. NW. slope, 30 ft. to  
 35.15 Spur, extends 5 chs. SW. Desc. 45 ft. to  
 39.30 Wash, 10 lks. wide, course W. Asc. NW. slope; 70 ft.  
 ✓39.40 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;  
 $\frac{1}{4}$ S3 in W. and  
 S2 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 Spur, extends 2 chs. W. Desc. SW. slope to  
 44.40 Center of wash, 1 ch. wide, course SW. Asc. N. slope,  
 20 ft. to  
 45.40 Thence along W. slope.  
 55.70 R. L. Comer's house brs. S.  $63\frac{1}{4}^{\circ}$  W. Desc. 20 ft. to  
 58.40 Foot of desc., brs. NE. and SW. Thence over level land.  
 65.70 Comer's house brs. N.  $61^{\circ}$  W.  
 ✓79.40 The cor. of secs. 2, 3, 10 and 11.  
 Land, level and rolling.  
 Soil, rocky, 4th rate on slopes; 2nd rate on level.  
 No timber.  
 Undergrowth, greasewood, palo verde, and ocotillo on slopes;  
 dense mesquite and cat claw on level land.  
 June 11, 1915.  
 H. N. B.

Chains.	
	<p>May 4, 1915: C. D.            At 9 hrs. 3 m., a.m., l.m.v., I set off 34° 41' N. on the lat. arc; 15° 47½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34, 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.            Across wash, course E.</p>
4.00	<p>Leave wash, course E. Thence over mountainous land, through scattering undergrowth. Asc. S. slope, 210 ft. to</p>
14.50	Ridge, brs. E. Desc. to
19.50	Wash, course SE. Asc. 90 ft. to
28.50	Ridge, brs. E. and W. Desc. N. slope, 260 ft.
40.00	<p>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;            S33 ¼ in W. and            S34 in E. half;            and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.</p>
47.50	Draw, course E. Asc. S. slope, 95 ft. to
53.50	Ridge, brs. E. Desc. N. slope, 100 ft. to
62.30	Wash, course E. Asc. slight S. slope to
67.00	Spur, brs. E. Desc. N. slope, 115 ft. to
75.10	Enter wash, course E.
78.40	Leave wash, course E. Asc. slightly to
80.00	<p>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 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, 1½ ft. high, W. of cor. Pits impracticable.</p>
	<p>Land, mountainous.            Soil, rocky; 3rd rate.            No timber.            Undergrowth, greasewood, palo verde, ocatilla and scrub cedar.</p>
40.00	<p>East on a random line, bet. secs. 27 and 34.            Set temp. ¼ sec. cor.</p>
80.16	<p>Intersect N. and S. line, 14 lks. S. of the true point for cor. of secs. 26, 27, 34 and 35, which is in the Big Sandy River, 4.50 chs. N. of the witness cor. to cor. of secs. 26, 27, 34 and 35.            From the true point for cor., I run            S.89° 54' W., on a true line, bet. secs. 27 and 34.            Across Big Sandy River.</p>
3.15	Irrigation ditch, course SE. Leave Big Sandy River,
3.20	course SE. Asc. 10 ft. to
3.30	Thence over level land, through dense undergrowth.
16.55	Road, brs. N. to Kingman, and S. to Signal.
17.15	Leave dense undergrowth, brs. NW. and SE. Thence through scattering undergrowth.
30.65	Wash, course SE.
33.85	Same wash, course NE.
40.08	<p>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 S27 in N. and            S34 in S. half;            and raise a mound of stone, 2 ft. base, 1½ ft. high,</p>

Subdivision of T. 16 N., R. 13 W. 17.

Chains.

N. of cor. Pits impracticable.  
 Desc. NW. slope to  
 56.70 Enter wash, course NE.  
 66.40 Leave wash, course NE. Asc. 60 ft. to  
 80.16 The cor. of secs. 27, 28, 33 and 34.  
 Land, level and rolling.  
 Soil, rocky; 3rd rate; and sandy loam, 2nd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and mesquite.  
 May 4, 1915: At this cor., I set off 15° 49½' 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° 2' W., bet. secs. 27 and 28.  
 Over gently rolling land, through dense undergrowth.  
 7.90 Enter wash, course NE.  
 15.00 Leave wash, course NE.  
 33.50 Wash, course NE.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for ¼ sec. cor., marked on brass cap  
 1915 on S. rim;  
 S28 ½ in W. and  
 S27 in E. half;  
 dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.  
 dist.; and raise a mound of earth, 3½ ft. base, 1½ ft.  
 high, W. of cor.  
 43.00 Center of wash, 1 ch. wide, course E.  
 63.50 Road, brs. E. to Signal, and W. to Chicken Springs and  
 Yucca.  
 68.70 Center of wash, 1 ch. wide, course E.  
 79.20 Center of wash, 1 ch. wide, course E.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 21, 22, 27 and 28, marked on  
 brass cap  
 1915 on S. rim;  
 T16N R13W in N. half;  
 S21 in NW.,  
 S22 in NE.,  
 S27 in SE. and  
 S28 in SW. quadrant;  
 dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist.;  
 and raise a mound of earth, 4 ft. base, 2 ft. high,  
 W. of cor.  
 Land, level and gently rolling.  
 Soil, sandy and sandy loam; 2nd rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and cat claw.

N.89° 54' E., on a random line, bet. secs. 22 and 27.  
 40.00 Set temp. ¼ sec. cor.  
 80.21 Intersect N. and S. line, 30 lks. S. of the true point  
 for cor. of secs. 22, 23, 26 and 27, which is in the  
 Big Sandy River, 5 chs. N. of the witness cor. to cor.  
 of secs. 22, 23, 26 and 27.  
 From the true point for cor. of secs. 22, 23, 26 and 27,  
 I run  
 S.89° 41' W., on a true line, bet. secs. 22 and 27.  
 Across Big Sandy River.  
 3.00 Leave Big Sandy River, course SE. Thence through dense  
 undergrowth and scattering timber.  
 8.70 Hardwick's irrigation ditch, 5 lks. wide, 5 ft. deep,  
 course SW.  
 8.85 Hardwick's fence, brs. NE. and SW.  
 23.20 Road, brs. NW. to Kingman and SE. to Signal.  
 40.10½ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the

Chains.	<p>ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap  1915 on S. rim;  <math>\frac{1}{4}</math>S22 in N. and  S27 in S. half;  dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.  dist.; and raise a mound of earth, <math>3\frac{1}{2}</math> ft. base, <math>1\frac{1}{2}</math> ft.  high, N. of cor.</p>
45.40	Leave dense undergrowth, enter scattering undergrowth, brs. NW. and SE.
80.21	The cor. of secs. 21, 22, 27 and 28. Land, level. Soil, 2nd and 3rd rate. Timber, scattering cottonwood and willow. Undergrowth, scattering greasewood and palo verde, and dense mesquite and cat claw. May 4, 1915.
	<p>May 5, 1915: At 7 hrs. 8 m., a.m., l.m.t., I set off <math>34^{\circ}</math>  <math>42\frac{1}{2}'</math> N. on the lat. arc; <math>16^{\circ} 4\frac{1}{2}'</math> N. on the decl. arc;  and determine a meridian with the solar at the cor.  of secs. 21, 22, 27 and 28.  Thence I run  N. <math>0^{\circ} 2'</math> W., bet. secs. 21 and 22.  Over rolling bench land, through scattering undergrowth.</p>
14.60	Wash, course E.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; S21 $\frac{1}{4}$ in W. and S22 in E. half; dig pist, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
74.00	Center of wash, 1.50 chs. wide, course E.
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 R13W in N. half; S16 in NW., S15 in NE., S22 in SE. and S21 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, rolling. Soil, sandy and gravelly; 2nd rate. No timber. Undergrowth, greasewood and palo verde.
40.00	N. $89^{\circ} 41'$ E., on a random line, bet. secs. 15 and 22. Set temp. $\frac{1}{4}$ sec. cor.
80.27	Intersect N. and S. line, 2 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence I run S. $89^{\circ} 40'$ W., on a true line, bet. secs. 15 and 22. Over level land, through scattering undergrowth.
2.60	Road, brs. N. and S.
32.25	Leave undergrowth, brs. NE. and SW. Enter Big Sandy River, course SW.
40.13	Point for $\frac{1}{4}$ sec. cor. falls in Big Sandy River.
42.00	Leave Big Sandy River, course S. Thence through scatter- ing undergrowth.
45.52	Wire fence, brs. N. and S. Fence corners 50 lks. S. and runs WNW.
51.00	Fence, noted above, brs. WNW. and ESE.

Subdivision of T. 16 N., R. 13 W.

Chains.

47.90

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

1915 on S. rim;  
WC W. of center;  
 $\frac{1}{4}$ S15 in N. and  
S22 in S. half;

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

Note: This cor. is set on a narrow ridge, bearing N. and S., which prevented placing the pits in the proper position.

55.85

Road, brs. N. to Kingman, and S. to Signal.

62.25

Old road, brs. N. and S.

80.27

The cor. of secs. 15, 16, 21 and 22.

Land, level.

Soil, sandy and sandy loam, 1st and 2nd rate.

Timber, scattering cottonwood.

Undergrowth, dense mesquite and cat claw, and scattering greasewood.

34.70

N.0° 2' W., bet. secs. 15 and 16.

Over nearly level land, through dense undergrowth.

40.00

Wash, course E.

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;

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

41.00

Wash, course E.

44.20

Wash, course E.

59.70

Wash, course NE.

63.60

Wash, course SE.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked on brass cap

1915 on S. rim;  
T16N R13W in N. half;  
S9 in NW.,  
S10 in NE.,  
S15 in SE. and  
S16 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, nearly level; drains E.

Soil, sandy; 2nd rate.

No timber.

Undergrowth, dense mesquite, greasewood and palo verde.

40.00

N.89° 40' E., on a random line, bet. secs. 10 and 15.

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

80.28

Intersect N. and S. line, 7 lks. N. of the cor. of secs. 10, 11, 14 and 15,

Thence I run

S.89° 43' W., on a true line, bet. secs. 10 and 15.

Over rolling land, through scattering undergrowth.

Asc. SE. slope, 40 ft. to

1.90

Spur, brs. S. Desc. SW. slope, 60 ft. to

4.50

Foot of desc., brs. NW. and SE. Thence over level land.

5.00

Wire fence, brs. NW. and SE.

Chains.	
13.00	Fullerton's irrigation ditch, 3 lks. wide, 15 ins. deep, course SE.
19.00	Wire fence, 60 lks. S. of this point, brs. E. and W. Fullerton's irrigation ditch, 5 lks. wide, 1 ft. deep, course S.
19.50	Wire fence, brs. N. and S.
25.70	Enter Big Sandy River, course S.
40.14	Point for $\frac{1}{4}$ sec. cor. falls in Big Sandy River.
41.20	Leave Big Sandy River, course S. Thence over level land.
42.20	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; WC W. of center; $\frac{1}{4}$ S10 in N. and S15 in S. half; from which A mesquite, 6 ins. diam., brs. S.47° E., 91 lks. dist.; marked WC $\frac{1}{4}$ S15 BT. No other trees within limits. Dig pits, 18 X 18 X 12 ins., E. and W. of cor., 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
42.48	Fence, brs. N. and S. Enter I. L. Neal's orchard.
42.70	Neal's irrigation ditch, course S.
45.30	Fence, brs. N. 80° E., and S. 80° W. Leave orchard, enter Neal's cultivated field.
50.30	Irrigation ditch, course S.
52.30	I. L. Neal's house brs. S. 5.00 chs. dist. Hay shed brs. N. 5.00 chs. dist. Fence, brs. N. and S. Leave cultivated field, enter scattering undergrowth.
52.78	Road, brs. N. to Kingman, and S. to Signal and Signal.
55.28	Stock shed, brs. N. 50 lks. dist. Asc. slightly to
80.28	The cor. of secs. 9, 10, 16 and 15. Land, level and rolling. Soil, sandy, 3 rd rate; and sandy loam, 1st and 2nd rate. No timber. Undergrowth, greasewood, palo verde, and dense mesquite. May 5, 1915: At this cor., I set off 16° 7' 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.
	N.0° 2' W., bet. secs. 9 and 10. Over level land, through dense undergrowth.
13.00	Center of wash, 1 ch. wide, course E.
19.50	Old road, brs. NW. and SE.
35.00	Wash, course SE.
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; S9 $\frac{1}{4}$ in W. and S10 in E. half; dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
58.80	House brs. E. 8.00 chs. dist. Asc. slight S. slope to
75.70	Low hill, brs. E. Leave dense undergrowth, brs. E. and W. Desc. slight NE. slope to
78.30	Wash, course SE. Asc. 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 R13W in N. half; S4 in NW., S3 in NE., S10 in SE. and S9 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

Sundivision of T. 16 N., R. 13 W.

Chains.

Land, level.  
Soil, sandy; 2nd rate.  
No timber.  
Undergrowth, greasewood, palo verde and mesquite.

40.00 N.89° 43' E., on a random line, bet. secs. 3 and 10.  
Set temp.  $\frac{1}{4}$  sec. cor.

80.35 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 2, 3, 10 and 11.  
Thence I run  
S.89° 39' W., on a true line, bet. secs. 3 and 10.  
Over level land, through dense undergrowth and scattering timber.

10.80 Leave undergrowth, brs. N. and S. Wire fence, brs. N. and S. Corners 50 lks. N. and runs S.80° W. Thence across R. O. Comer's cultivated land.

14.00 Wire fence, brs. N.80° E. and S.80° W. Leave cultivated land. R. O. Comer's adobe house brs. N. 40 lks. dist. Irrigation ditch, 3 lks. wide, 1 ft. deep, course S.

15.10 Fence corners 10 lks. S. and brs. S. and N.80° E.

19.00 Enter Big Sandy River, course S.

31.70 Leave Big Sandy River, course S.

35.50 Enter west channel of Big Sandy River, course S.

37.50 Leave west channel of Big Sandy River, course S.

40.17 $\frac{1}{2}$  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;  
 $\frac{1}{4}$ S3 in N. and  
S10 in S. half;  
dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.

50.35 Wash, course S.

50.65 Road, brs. NE. and SW.

52.75 Irrigation ditch, course S.

55.35 R. P. Morrow's house brs. S.11 $\frac{1}{4}$ ° E., 12 chs. dist.

57.15 Road, brs. N. to Kingman, and S. to Signal.

63.55 Wash, course SE.

73.35 Wash, course SE.

79.25 Wash, course SE.

80.35 The cor. of secs. 3, 4, 9 and 10.  
Land, level.  
Soil, sandy 2nd rate; and sandy loam, 1st and 2nd rate.  
Timber, scattering cottonwood.  
Undergrowth, dense mesquite, cat claw, arrow-weed and greasewood.

40.00 N.0° 2' W., on a random line, bet. secs. 3 and 4.  
Set temp.  $\frac{1}{4}$  sec. cor.

80.10 Intersect N. bdy. of Tp., 21 lks. W. of the cor. of secs. 3, 4, 33 and 34, which is an iron post, properly set, marked and witnessed as described by the Surveyor-General.  
Thence I run  
S.0° 7' W., on a true line, bet. secs. 3 and 4.  
Over gently rolling land, through dense undergrowth.

3.10 Road, brs. NW. to Kingman, and SE. to Signal.

10.10 Road, brs. NW. and SE.

40.10 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.

44.20 R. L. Comer's house brs. S.77° E.

Chains.  
 44.20 G. D. Atalee's adobe house brs. N.7° E., about 30 chs. dist.  
 Chas. S. Russel's tent house brs. S.83 $\frac{3}{4}$ ° E.  
 Asc. to  
 48.10 Low hill, brs. E. and W. Desc. to  
 51.60 Wash, course NE.  
 69.10 Wash, course NE. Leave dense undergrowth, enter scattering undergrowth.  
 71.50 Russel's house brs. N.18 $\frac{1}{2}$ ° E.  
 73.60 Wash, course E.  
 80.10 The cor. of secs. 3, 4, 9 and 10.  
 Land, gently rolling.  
 Soil, 2nd and 3rd rate.  
 No timber.  
 Undergrowth, scattering greasewood and palo verde, and dense mesquite and cat claw.

C. D.  
 May 5, 1915.

May 4, 1915: H. N. B.

At 8 hrs. 54 m., a.m., l.m.t., I set off 34° 41' N. on the lat. arc; 15° 47 $\frac{1}{2}$ ' 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 C. D., as described in Book "A".

Thence I run

N.0° 2' W., bet. secs. 32 and 33.

Over mountainous land, through scattering undergrowth.

Desc. NW. slope, 35 ft. to

1.50 Gulch, 15 lks. wide, course W. Asc. SW. slope, 45 ft. to  
 3.50 Spur, extends 5 chs. W. Desc. NW. slope, 20 ft. to  
 4.45 Gulch, 10 lks. wide, course W. Asc. SW. slope, 65 ft. to  
 8.45 Spur, extends 5 chs. W. Desc. NW. slope, 65 ft. to  
 12.25 Gulch, 25 lks. wide, course W. Asc. SW. slope, 60 ft. to  
 19.70 Spur, extends 2 chs. W. Desc. NW. slope, 55 ft. to  
 21.85 Canyon, 40 lks. wide, course SW. Asc. SE. slope, 60 ft. to

25.70 Spur, brs. SE. Desc. to

27.70 Gulch, course SE. Asc. SW. slope, 165 ft. to

34.30 Ridge, brs. ESE. and WSW. Desc. NE. slope, 160 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;

$\frac{1}{4}$ 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.

42.05 Gulch, 20 lks. wide, course E. Asc. SE. slope to

44.50 Ridge, extends 6 chs. E. Desc. N. slope, 85 ft. to

47.40 Gulch, 30 lks. wide, course E. Asc. S. slope, 110 ft. to

52.00 Spur, extends 20 chs. E. Desc. N. slope, 125 ft. to

57.00 Canyon, 50 lks. wide, course E. Asc. S. slope, 365 ft. to

65.80 Spur, extends 15 chs. E. Desc. N. slope, 150 ft. to

69.50 Canyon, 60 lks. wide, course E. Asc. S. slope, 100 ft. to

72.95 Ridge, brs. WNW. and SE. Desc. NE. slope, 150 ft. to

80.00 Foot of desc., brs. E. and W. Set an iron post, 3 ft.

long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked on brass cap

1915 on S. rim;

T16N 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.

Chains.	<p>No timber. Undergrowth, greasewood, palo verde, cacti and scrub cedar.</p>
40.00	East on a random line, bet. secs. 28 and 33.
79.85	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. and S. line, 7 lks. N. of the cor. of secs.
	27, 28, 33 and 34.
	Thence I run
	N. $89^{\circ} 57'$ W., on a true line, bet. secs. 28 and 33.
	Over level land, through dense undergrowth.
13.85	Leave level land, brs. NE. and SW. Desc. NW. slope, 20
	ft. to
19.35	Gulch, 50 lks. wide, course NE. Asc. 90 ft. to
32.05	Desc. to
35.25	Gulch, 10 lks. wide, course SE. Asc. NE. slope, 75 ft.
39.92 $\frac{1}{2}$	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;
	$\frac{1}{4}$ S28 in N and
	S33 in S. half;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
	N. of cor. Pits impracticable.
50.15	Ridge, brs. ESE. and WNW. Desc. SW. slope, 30 ft. to
60.35	Wash, 5 lks. wide, course S. Asc. SE. slope, 40 ft. to
63.85	Thence along S. slope to
67.90	Desc. SW. slope, 40 ft. to
73.10	Center of wash, 1 ch. wide, course SE. Asc. NE. slope,
	35 ft. to
77.85	Spur, extends 1 ch. N. Desc. NW. slope, 10 ft. to
79.85	The cor. of secs. 28, 29, 32 and 33.
	Land, level and mountainous.
	Soil, rocky 4th rate.
	No timber.
	Undergrowth, greasewood, ocotillo, cacti and scrub cedar.
	May 4, 1915: At this cor., I set off $15^{\circ} 49\frac{1}{2}'$ N. on the
	decl. arc; and at apparent noon, I observe the sun on
	the meridian; the resulting lat. is $34^{\circ} 42'$ N.
	N. $0^{\circ} 2'$ W., bet. secs. 28 and 29.
	Over mountainous land, through scattering undergrowth.
1.50	Across wash, course E.
1.50	Leave wash, course E. Asc. S. slope, 145 ft. to
10.70	Ridge, brs. NW. and SE. Desc. NE. slope, 115 ft. to
19.05	Gulch, 20 lks. wide, course NE. Asc. SE. slope, 45 ft.
	to
21.55	Ridge, brs. E. and W. Desc. N. slope, 50 ft. to
25.70	Gulch, 15 lks. wide, course SE. Asc. SW. slope, 20 ft.
	to
27.50	Ridge, brs. NW. and SE. Desc. NE. slope, 40 ft. to
31.45	Enter wash, course E.
34.40	Leave wash, course E. Asc. S. slope, 35 ft.
38.60	Road, brs. E. to Signal, and W. to Chicken Springs and
	Yucca.
39.00	Ridge, brs. E. and W. Desc. NE. slope, 70 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;
	$\frac{1}{4}$ S29 in W. and
	S28 in E. half;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
	W. of cor. Pits impracticable.
44.55	Gulch, course SE. Asc. S. slope, 20 ft. to
46.00	Ridge, brs. E. and W. Desc. N. slope, 20 ft. to
47.04	Enter wash, course E.

<p>Chains. 48.85 51.00 52.95 55.93 57.90 69.00 80.00</p>	<p>Leave wash, course E. Asc. S. slope, 25 ft. to Desc. N. slope, 30 ft. to Gulch, 30 lks. wide, course E. Asc. S. slope, 15 ft. to Ridge, brs. E. and W. Desc. 30 ft. to Gulch, 15 lks. wide, course E. Thence over rolling land. Center of wash, 60 lks. wide, course E. Set an iron post, 3 ft. long, 2 in. diam., 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, marked on brass cap</p> <p style="padding-left: 40px;">1915 on S. rim; T16N R13W in N. half; S20 in NW., S21 in NE., S28 in SE. and S29 in SW. quadrant; from which</p> <p>A palo verde, 6 ins. diam., brs. S.34° E., 88 lks. dist.; marked T16N R13W S28 BT. A cedar, 5 ins. diam., brs. S.9½° W., 102 lks. dist., marked T16N R13W S29 BT. No other trees within limits. Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, rolling and mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and scrub cedar.</p>
<p>40.00</p>	<p>S.89° 57' E., on a random line, bet. secs. 21 and 28. Set temp. ¼ sec. cor.</p> <p style="text-align: right;">May 4, 1915.</p> <p>May 5, 1915: At 7 hrs. 8 m., a.m., l.m.t., I set off 34° 42½' N! on the lat. arc; 16° 4½' N! on the decl. arc; and determine a meridian with the solar at the temp. ¼ sec. cor. bet. secs. 21 and 28.</p>
<p>79.71</p>	<p>Thence I continue S.89° 57' E., on a random line, bet. secs. 21 and 28. Intersect N. and S. line, 14 lks. N. of the cor. of secs. 21, 22, 27 and 28, Thence I run</p>
<p>18.67 39.85½</p>	<p>N.89° 51' W., on a true line, bet. secs. 21 and 28. Over rolling land, through scattering undergrowth. Wash, 20 lks. wide, course NE. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap</p> <p style="padding-left: 40px;">1915 on S. rim; ¼S21 in N. and S28 in S. half;</p> <p>and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.</p>
<p>61.05 64.25 66.05 73.20 74.70 79.71</p>	<p>Wash, 70 lks. wide, course NE. Asc. to Ridge, brs. NE. and SW. Desc. NW. slope to Gulch, 20 lks. wide, course NE. Asc. SW. slope to Ridge, brs. NE. and SW. Desc. NW. slope, 20 ft. to Gulch, 15 lks. wide, course NE. Asc. E. slope to The cor. of secs. 20, 21, 28 and 29. Land, rolling; drains E. and NE. Soil, rocky; 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and scrub cedar.</p>
<p>4.16 9.18 27.08</p>	<p>N.0° 2' W., bet. secs. 20 and 21. Over rolling land, through dense undergrowth. Wash, 40 lks. wide, course E. Center of wash, 1 ch. wide, course E. Center of wash, 3 chs. wide, course E. Asc. S. slope, 40</p>

Subdivision of T. 16 N., R. 13 W.

25.

Chains. 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;  
            $\frac{1}{4}$ S20 in W. and  
           S21 in E. half; from which  
           A cedar, 8 ins. diam., brs. S.67° E., 40 lks. dist., marked  $\frac{1}{4}$ S21 BT.  
           A cedar, 8 ins. diam., brs. N.59 $\frac{1}{2}$ ° W., 96 lks. dist., marked  $\frac{1}{4}$ S20 BT.  
 Thence over rolling land.  
 55.00 Desc. N. slope, 25 ft. to  
 60.00 Center of wash, 4 chs. wide, course E.  
 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 R13W in W. half;  
           S17 in NW.,  
           S16 in NE.,  
           S21 in SE. and  
           S20 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 rolling.  
 Soil, sandy and gravelly loam, 3rd rate.  
 No timber.  
 Undergrowth, scattering cedar and cat claw.

40.00 S.89° 51' E., on a random line, bet. secs. 16 and 21.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.79 Intersect N. and S. line at the cor. of secs. 15, 16, 21 and 22.  
 Thence I run  
 N.89° 51' W., on a true line, bet. secs. 16 and 21.  
 Over nearly level land, through scattering undergrowth.  
 39.89 $\frac{1}{2}$  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;  
            $\frac{1}{4}$ S16 in N. and  
           S21 in S. half;  
           and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 45.10 Center of wash, 1 ch. wide, course NE.  
 49.80 Center of same wash, 1 ch. wide, course SE.  
 79.79 The cor. of secs. 16, 17, 20 and 21.  
 Land, gently rolling; drains E.  
 Soil, Sandy loam; 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, and scrub cedar.  
 May 5, 1915: The sky was overcast at noon, making an observation for lat. impossible.

N.0° 2' W., bet. secs. 16 and 17.  
 Over rolling land, through scattering undergrowth.  
 3.80 Center of wash, 1 ch. wide, course E.  
 5.73 Center of wash, 1.50 chs. 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;  
            $\frac{1}{4}$ S17 in W. and  
           S16 in E. half;  
           dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

Chains.	
71.53	Wash, 20 lks. wide, course E. Asc. S. slope, 15 ft. to
72.30	Spur, extends 3 chs. E. Desc. N. slope, 15 ft. to
73.40	Wash, 30 lks. wide, course E. Asc. S. slope to
74.90	Ridge, extends 5 chs. E. Desc. N. slope, 30 ft. to
76.35	Wash, 20 lks. wide, course E. Asc. to
80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on brass cap</p> <p>1915 on S. rim;  T16N R13W in N. half;  S8 in NW.,  S9 in NE.,  S16 in SE. and  S17 in SW. quadrant; from which</p> <p>A cedar, 6 ins. diam., brs. S.32½° E., 90 lks. dist., marked T16N R13W S16 BT.  A cedar, 12 ins. diam., brs. S.70° W., 66 lks. dist., marked T16N R13W S17 BT.  No other trees within limits. Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.  Land, level and rolling.  Soil, sandy loam; 3rd rate.  No timber.  Undergrowth, greasewood, palo verde and scrub cedar.  May 5, 1915.</p>
40.00	June 9, 1915.
79.72	S.89° 51' E., on a random line, bet. secs. 9 and 16.
79.72	Set temp. ¼ sec. cor. Intersect N. and S. line, 7 lks. S. of the cor. of secs. 9, 10, 15 and 16.
39.86	<p>Thence I run  N.89° 54' W., on a true line, bet. secs. 9 and 16.  Over level land, through dense undergrowth.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap</p> <p>1915 on S. rim;  ¼S9 in N. and  S16 in S. half;</p> <p>and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.</p>
47.70	Leave level land, brs. NW. and SE. Asc. NE. slope, 185
79.72	<p>ft. to  The cor. of secs. 8, 9, 16 and 17.  Land, level and rolling.  Soil, sandy loam; 2nd and 3rd rate.  No timber.  Undergrowth, greasewood, palo verde, ocatilla and scrub cedar.  June 9, 1915.</p>
1.08	May 5, 1915.
3.00	N.0° 2' W., bet. secs. 8 and 9.
14.00	Over rolling land, through scattering undergrowth.
20.95	Desc. to
31.80	Wash, 25 lks. wide, course E. Asc. slight E. slope to
38.15	Low ridge, brs. E. and W. Desc. NW. slope, 100 ft. to
39.70	Thence across level land.
40.00	<p>Center of wash, 70 lks. wide, course E. Asc. S. slope, 110 ft. to</p> <p>Spur, extends 2 chs. SE. Continue asc. to  Ridge, brs. E. and W. Desc. N. slope, 30 ft. to  Canyon, 50 lks. wide, course E. Asc. to</p> <p>Set an iron post, 3 ft. long, 1 in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap</p>

Subdivision of T. 16 N., R. 13 W.

Chains.

1915 on S. rim;  
 1/4 S8 in W. and  
 S9 in E. half;  
 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
 W. of cor. Pits impracticable.  
 Asc. S. slope, 30 ft. to  
 41.45 Low ridge, brs. E. and W. Desc. N. slope, 15 ft. to  
 45.00 Center of wash, 1 ch. wide, course E.  
 45.80 Road, brs. E. to Signal, and W. to San Francisco Mine and  
 Cedar.  
 71.50 Desc. N. slope, 40 ft. to  
 72.20 Wash, 10 lks. wide, course E. Asc. S. slope, to  
 76.40 Spur, extends 5 chs. E. Desc. N. slope, 65 ft. to  
 80.00 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  
 brass cap

1915 on S. rim;  
 T16N 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 1/2 ft. high,  
 W. of cor. Pits impracticable.  
 Land, rolling.  
 Soil, sandy loam; 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotilla and scrub  
 cedar.

May 5, 1915.

June 9, 1915.  
 S. 89° 54' E., on a random line, bet. secs. 4 and 9.  
 40.00 Set temp. 1/4 sec. cor.  
 79.76 Intersect N. and S. line, 7 lks. S. of the cor. of secs.  
 3, 4, 9 and 10.  
 Thence I run  
 N. 89° 57' W., on a true line, bet. secs. 4 and 9.  
 Over rolling land, through scattering undergrowth.  
 Asc. slight SE. slope, 30 ft. to  
 7.00 Spur, extends 2 chs. SE. Desc. W. slope to  
 9.00 Wash, 30 lks. wide, course SE. Asc. NE. slope to  
 12.00 Thence over level land.  
 139.88 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for 1/4 sec. cor., marked on brass cap

1915 on S. rim;  
 1/4 S4 in N. and  
 S9 in S. half;  
 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
 N. of cor. Pits impracticable.  
 45.00 Desc. NW. slope, 35 ft. to  
 50.00 Enter wash, course E. Thence along S. edge of wash to  
 79.76 The cor. of secs. 4, 5, 8 and 9.  
 Land, rolling.  
 soil, sandy; 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and scrub cedar.  
 June 9, 1915: At this cor., I set off 22° 54' N. on the  
 decl. arc; and at apparent noon, I observe the sun on  
 the meridian; the resulting lat. is 34° 45' N.

N. 0° 2' W., on a random line, bet. secs. 4 and 5.  
 40.00 Set temp. 1/4 sec. cor.  
 80.27 Intersect N. bdy. of Tp. 16 lks. E. of the cor. of secs.  
 4, 5, 32 and 33, which is an iron post, properly set,

Chains.	marked and witnessed as described by the Surveyor-General.
	Thence I run
	S.0°9' E., on a true line, bet. secs. 4 and 5.
	Over rolling land, through scattering undergrowth.
	Desc. SE. slope, 70 ft. to
12.85	Center of wash, 60 lks. wide, course E. Asc. NE. slope, 35 ft. to
17.50	Spur, extends 5 chs. E. Desc. SE. slope, 35 ft. to
21.75	Wash, 50 lks. wide, course NE. Asc. NE. slope to
26.75	Thence along slight E. slope.
40.27	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 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.
61.00	Asc. N. slope to
67.00	Spur, extends 8 chs. SE. Desc. S. slope, 45 ft. to
72.25	Foot of slope. Thence across wide wash, course E.
80.27	The cor. of secs. 14, 15, 8 and 9. Land, gently rolling. Soil, sandy, 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocotillo and scrub cedar.
	June 9, 1915.
	May 12, 1915: At 8 hrs. 20 m., a.m., l.m.t., I set off 34° 41' N. on the lat. arc; 17° 59 $\frac{1}{2}$ ' 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 C. D., as described in Book "A".
	Thence I run
	N.0° 3' W., bet. secs. 31 and 32.
	Over mountainous land, through scattering undergrowth.
	Desc. 305 ft. to
9.75	Center of canyon, 3 chs. wide, course SE. Stream of water in canyon, 2 lks. wide, 2 ins. deep, course SE. Asc. SW. slope, 380 ft. to
26.55	Ridge, brs. NW. and SE. Desc. NW. slope, 275 ft. to
37.25	Gulch, course E. Asc. SE. slope, 195 ft.
49.00	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; $\frac{1}{4}$ S31 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.
49.50	Ridge, brs. E. and W. Desc. N. slope, 305 ft. to
57.75	Center of gulch, 1 ch. wide, course NE. Asc. SE. slope, 30 ft. to
60.75	Spur, extends 3 chs. E. Desc. NE. slope, 120 ft. to
63.75	Center of canyon, 1.50 chs. wide, course E. Asc. SE. slope, 145 ft. to
67.75	Spur, extends 5 chs. E. Desc. NE. slope, 70 ft. to
71.25	Canyon, course E. Asc. S. slope, 190 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. 29, 30, 31 and 32, marked on brass cap 1915 on S. rim; T15N R13W 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.

Subdivision of T. 16 N., R. 13 W. 29.

Chains.

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

40.00 East on a random line, bet. secs. 29 and 32.  
Set temp.  $\frac{1}{4}$  sec. cor.  
 ✓79.67 Intersect N. and S. line, 16 lks. S. of the cor. of secs. 28, 29, 32 and 33.  
 Thence I run  
 S.  $89^{\circ} 53'$  W., on a true line, bet. secs. 29 and 32.  
 Over mountainous land, through scattering undergrowth.  
 Asc. NE. slope, 135 ft. to  
 11.15 Thence along N. slope to  
 13.65 Desc. NW. slope to  
 24.65 Center of wash, 1 ch. wide, course NE. Asc. SE. slope, 40 ft. to  
 25.15 Spur, extends 6 chs. NE. Desc. NW. slope, 65 ft. to  
 37.65 Center of wash, 2 chs. wide, course NE. Asc. SE. slope, 325 ft.  
 ✓39.83 $\frac{1}{2}$  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.  
 67.15 Ridge, brs. NE. and SW. Asc. NE. slope, 55 ft. to  
 77.65 Same ridge, brs. ESE. and WNW. Desc. SW. slope, 10 ft. to  
 79.67 The cor. of secs. 29, 30, 31 and 32.  
 Land, mountainous.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocetilla and scrub cedar.  
 May 12, 1915: At this cor., I set off  $18^{\circ} 1'$  N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is  $34^{\circ} 42'$  N.

17.45 West on a true line, bet. secs. 30 and 31.  
 Over mountainous land, through scattering undergrowth.  
 Desc. SW. slope, 140 ft. to  
 34.50 Gulch, course S. Asc. SE. slope, 160 ft. to  
 ✓40.00 Ridge, brs. NE. and SW. Asc. NE. slope, 80 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;  
      $\frac{1}{4}$ 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.  
 41.50 Ridge, brs. N.  $80^{\circ}$  W., and S.  $80^{\circ}$  E. Thence along S. slope.  
 52.45 Ridge, brs. N.  $80^{\circ}$  E., and S.  $80^{\circ}$  W. Desc. NW. slope, 45 ft. to  
 60.60 Gulch, course NE. Asc. SE. slope, 45 ft. to  
 65.145 Spur, extends 5 chs. NE. Desc. NW. slope, 30 ft. to  
 74.55 Gulch, course NE. Asc. SE. slope, 45 ft. to  
 77.47 Intersect the E. bdy. of sec. 36, T. 16 N., R. 14 W., 3.77 chs. S. of the cor. of secs. 25 and 36, which is an iron post, established by me, as described in Book "A".  
 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. 30 and 31, marked on brass cap

## Chains.

	<p>1915 on S. rim;            CC W. of center;            T16N in N., and            S25, S36, R14W in W. half;            S30 in NE., and            S31, R13W in SE. quadrant;            and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high,            E. of cor. Pits impracticable.            Land, mountainous; drains E.            Soil, rocky; 4th rate.            No timber.            Undergrowth, greasewood, palo verde, ocotilla and scrub            cedar.</p> <p style="text-align: right;">May 12, 1915.</p>
	<p>May 14, 1915: At 9 hrs. 8 m., a.m., l.m.t., I set off  <math>34^{\circ} 42'</math> N. on the lat. arc; <math>18^{\circ} 29'</math> 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  <math>N.0^{\circ} 3'</math> W., bet. secs. 29 and 30.            Over mountainous land, through scattering undergrowth.            Asc. SW. slope, 30 ft. to</p>
1.60	Ridge, brs. WNW. and ESE. Desc. NE. slope, 50 ft. to
4.80	Gulch, 20 lks. wide, course E. Asc. to
6.10	Spur, brs. E. Desc. N. slope, 205 ft. to
12.40	Center of wash in canyon, 1 ch. wide, course E. Asc. S. slope, 115 ft. to
16.45	Ridge, brs. E. and W. Desc. N. slope, 130 ft. to
21.05	Center of wash, 2 chs. wide, in canyon, course E. Asc. S. slope, 90 ft. to
25.25	Ridge, brs. E. and W. Road, brs. E. to Owens, and W. to Chicken Springs and Yucca. Desc. N. slope, 120 ft. to
30.90	Center of wash, in canyon, 1 ch. wide, course E. Asc. S. slope, 135 ft. to
37.40	Ridge, brs. E. and W. Desc. N. slope to
39.75	Gulch, 10 lks. wide, course E. Asc. SE. slope 10 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
	<p>1915 on S. rim;  <math>\frac{1}{4}</math>S30 in W. and            S29 in E. half;            and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high,            W. of cor. Pits impracticable.</p>
42.00	Spur, extends 5 chs. E. Desc. N. slope, 90 ft. to
45.45	Center of wash, in canyon, 60 lks. wide, course E. Asc. S. slope, 100 ft. to
50.40	Ridge, brs. E. and W. Desc. NW. slope, 110 ft. to
55.75	Wash, 50 lks. wide, in canyon, 3 chs. wide, course NE. Asc. SE. slope, 40 ft. to
62.05	Spur, extends 5 chs. E. Desc. NE. slope, 25 ft. to
63.40	Gulch, 10 lks. wide, course SE. Asc. SE. slope, 50 ft. to
66.50	Ridge, brs. E. and W. Desc. N. slope to
71.35	Center of wash, 70 lks. wide, in canyon, course E. Asc. 90 ft. to
75.70	Spur, extends 10 chs. E. Desc. N. slope to
79.30	Gulch, 15 lks. wide, course E. Asc. S. slope, 40 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. 19, 20, 29 and 30, marked on brass cap
	<p>1915 on S. rim;            T16N R13W 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, <math>1\frac{1}{2}</math> ft. high,            W. of cor. Pits impracticable.            Land, mountainous.</p>

Chains.

Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotille and scrub cedar.  
 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° 42½' N.  
 May 14, 1915.

May 15, 1915: At 8 hrs. 30 m., a.m., l.m.t., I set off 34° 42½' N. on the lat. arc; 18° 43½' 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. 89° 53' E., on a random line, bet. secs. 20 and 29.  
 40.00 Set temp. ¼ sec. cor.  
 79.70 Intersect N. and S. line, 11 lks. S. of the cor. of secs. 20, 21, 28 and 29.  
 Thence I run  
 S. 89° 48' W., on a true line, bet. secs. 20 and 29.  
 3.70 Over rolling land, through scattering undergrowth.  
 14.70 Gulch, course N.  
 17.70 Thence along N. slope.  
 Center of wash, 1 ch. wide, course NE. Asc. SE. slope, 85 ft. to  
 27.20 Spur, extends 1 ch. S. Desc. SW. slope, 20 ft. to  
 37.20 Center of wash, 1 ch. wide, course SE. Asc. NE. slope 115 ft.  
 39.85 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 S20 in N. and  
 S29 in S. half;  
 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.  
 69.70 Spur, extends 2 chs. N. Desc. NW. slope, 20 ft. to  
 78.05 Gulch, 20 lks. wide, course NE. Asc. SE. slope, 40 ft. to  
 79.70 The cor. of secs. 19, 20, 29 and 30.  
 Land, rolling.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotille and scrub cedar.

May 15, 1915.

May 14, 1915.  
 West on a true line, bet. secs. 19 and 30.  
 Over mountainous land, through scattering undergrowth.  
 Asc. SE. slope, 110 ft. to  
 10.00 Ridge, brs. NE. and SW. Desc. NW. slope, 85 ft. to  
 13.50 Wash, 20 lks. wide, course NE., in canyon, 1.50 chs. wide, course NE. Asc. SE. slope, 150 ft. to  
 21.20 Spur, extends 15 chs. ENE. Desc. NW. slope, 40 ft. to  
 25.65 Head of gulch, course NE. Asc. SE. slope, 30 ft. to  
 27.65 Ridge, brs. N. and S. Desc. NW. slope, 90 ft. to  
 31.40 Gulch, course N. Asc. E. slope, 35 ft. to  
 33.00 Spur, extends 6 chs. N. Desc. NW. slope, 25 ft. to  
 34.40 Gulch, 15 lks. wide, course NE. Asc. SE. slope, 30 ft. to  
 37.55 Ridge, brs. NNE. and SSW. Desc. W. slope to  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap  
 1915 on S. rim;  
 ¼ S19 in N. and  
 S30 in S. half;  
 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.  
 Desc. W. slope, 55 ft. to

Chains.  
 42.60 Center of gulch, 50 lks. wide, course N. Asc. E. slope, 100 ft. to  
 49.25 Spur, extends 5 chs. NE. Desc. NW. slope, 20 ft. to  
 51.40 Head of gulch, course NE. Asc. SE. slope, 20 ft. to  
 53.25 Spur, extends 10 chs. NE. Desc. NW. slope, 135 ft. to  
 64.65 Center of wash, 1 ch. wide, course NE. Asc. SE. slope, 110 ft. to  
 77.40 Intersect E. bdy. of sec. 25, T16 N., R. 14 W., 4.07 chs. S. of the cor. of secs. 24 and 25, which is an iron post, established by me, as described in Book "A".  
 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. 19 and 30, marked on brass cap  
 1915 on S. rim;  
 CC W. of center;  
 T16N in N., and  
 S24, S25, R14W in W. half;  
 S19 in NE. and  
 S30, R13W in SE. quadrant;  
 and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. Pits impracticable.  
 Land, mountainous.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocetille and scrub cedar.  
 May 14, 1915.

May 15, 1915.  
 N.0° 3' W., bet. secs. 19 and 20.  
 Over mountainous land, through scattering undergrowth.  
 Asc. SE. slope, 85 ft. to  
 6.00 Spur, extends 15 chs. NE. Desc. N. slope, 65 ft. to  
 10.50 Gulch, 15 lks. wide, course E. Asc. SE. slope, 70 ft. to  
 16.50 Ridge, brs. E. and W. Desc. NW. slope, 145 ft. to  
 20.70 Gulch, 15 lks. wide, course NE. Asc. SE. slope to  
 31.50 Spur, brs. NE. Desc. NE. slope, 100 ft.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 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 S19 in W. and  
 S20 in E. half;  
 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.  
 41.75 Enter wash, course E.  
 50.00 Leave wash, course E. Asc. SW. slope to  
 60.00 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. 17, 18, 19 and 20, marked on brass cap  
 1915 on S. rim;  
 T16N R13W in N. half;  
 S18 in NW.,  
 S17 in NE.,  
 S20 in SE. and  
 S19 in SW. quadrant;  
 dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist.;  
 and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.  
 Land, level and mountainous.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocetille and scrub cedar.  
 May 15, 1915.

## Subdivision of T. 16 N., R. 13 W.

33.

Chains.

June 8, 1915: At 9 hrs. 55 m., a.m., l.m.t., I set off  $34^{\circ}$   
 $43\frac{1}{2}'$  N. on the lat. arc;  $22^{\circ} 48\frac{1}{2}'$  N. on the decl. arc;  
 and determine a meridian with the solar at the cor. of  
 secs. 17, 18, 19 and 20.

Thence I run  
 N.  $89^{\circ} 48'$  E., on a random line, bet. secs. 17 and 20.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.72 Intersect N. and S. line, 35 lks. N. of the cor. of secs.  
 16, 17, 20 and 21.

Thence I run  
 N.  $89^{\circ} 57'$  W., on a true line, bet. secs. 17 and 20.  
 34.70 Over level land, through scattering undergrowth.  
 39.86 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;  
      $\frac{1}{4}$ 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.

40.70 Same wash, 50 lks. wide, course SE.  
 79.72 The cor. of secs. 17, 18, 19 and 20.  
 Land, level; drains E.  
 Soil, sandy; 2nd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde and scrub cedar.  
 June 8, 1915.

May 15, 1915.  
 West on a true line, bet. secs. 18 and 19.  
 40.00 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;  
      $\frac{1}{4}$ 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.

75.00 Wash, 50 lks. wide, course NE.  
 76.92 Intersect the E. bdy. of sec. 24, T. 16 N., R. 14 W.,  
 3.85 chs. S. of the cor. of secs. 13 and 24, which is  
 an iron post, established by me, as described in Book  
 "A".

At the point of intersection, I 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;  
     T16N in N. and  
     S13, S24, R14W in W. half;  
     S18 in NE., and  
     S19, R13W in SE. quadrant;  
 dig pits, 24 X 18 X 12 ins., crosswise on each line,  
 N. and S., 3 ft. and E. of post, 7 ft. dist.; and raise  
 a mound of earth, 4 ft. base, 2 ft. high, E. of cor.

Land, level; drains E.  
 Soil, sandy; 2nd rate.  
 No timber.  
 Undergrowth, mesquite, cat claw and scrub cedar.  
 May 15, 1915.

N.  $0^{\circ} 3'$  W., bet. secs. 17 and 18.  
 16.50 Over level land, through scattering undergrowth.  
 40.00 Center of wash, 2 chs. wide, course E.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the

Chains.

	<p>ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap  1915 on S. rim  <math>\frac{1}{4}</math>S18 in W. and  S17 in E. half;  and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high,  W. of cor. Pits impracticable.  June 8, 1915: At this cor., I set off <math>22^{\circ} 48\frac{1}{2}'</math> N. on the  decl. arc; and at apparent noon, I observe the sun on  the meridian; the resulting lat. is <math>34^{\circ} 44'</math> N.  67.50 Desc. NW. slope, 120 ft. to  72.30 Enter drainage channel, course NE.  77.30 Wash, 30 lks. wide, course NE.  80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  ground, for cor. of secs. 7, 8, 17 and 18, marked on  brass cap  1915 on S. rim;  T16N 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, <math>1\frac{1}{2}</math> ft. high,  W. of cor. Pits impracticable.  Land, level and rolling.  Soil, sandy; 2nd rate.  No timber.  Undergrowth, greasewood, palo verde, and scrub cedar.  June 8, 1915.</p>
	<p>June 9, 1915: At 8 hrs. 25 m., a.m., l.m.t., I set off  <math>34^{\circ} 44\frac{1}{2}'</math> N. on the lat. arc; <math>22^{\circ} 53\frac{1}{2}'</math> N. on the decl.  arc; and determine a meridian with the solar at the  cor. of secs. 7, 8, 17 and 18.  Thence I run  S. <math>89^{\circ} 57'</math> E., on a random line, bet. secs. 8 and 17.  40.00 Set temp. <math>\frac{1}{4}</math> sec. cor.  79.68 Intersect N. and S. line, 11 lks. N. of the cor. of secs.  8, 9, 16 and 17.  Thence I run  N. <math>89^{\circ} 52'</math> W., on a true line, bet. secs. 8 and 17.  Over rolling land, through scattering undergrowth.  Asc. SE. slope to  14.70 Spur, extends 3 chs. NE. Desc. NW. slope, 120 ft. to  29.70 Wash, 60 lks. wide, course NE.  39.84 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap  1915 on S. rim;  <math>\frac{1}{4}</math>S8 in N. and  S17 in S. half;  and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high,  N. of cor. Pits impracticable.  45.10 Same wash, 50 lks. wide, course SE. Asc.  76.00 Wash, 30 lks. wide, course NE. Continue asc.  79;68 The cor. of secs. 7, 8, 17 and 18.  Land, rolling; drains E.  Soil, sandy; 3rd rate.  No timber.  Undergrowth, mesquite, greasewood, palo verde and scrub  cedar.  June 9, 1915.</p>
	<p>June 8, 1915.  West on a true line, bet. secs. 7 and 18.  Over rolling land, through scattering undergrowth.  Asc. NE. slope, 200 ft.  5.00 Asc. SE. slope to  27.00 Top of asc.; brs. NE. and SW. Thence over level land.</p>

Subdivision of T. 16 N., R. 13 W. 35.

Chains.  
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;  
 $\frac{1}{4}$ S7 in N. and  
S18 in S. half; from which  
A cedar, 6 ins. diam., brs. N.1° E., 43 lks. dist.; marked  $\frac{1}{4}$ S7 BT.  
A cedar, 8 ins. diam., brs. S.27 $\frac{1}{2}$ ° W., 51 lks. dist.; marked  $\frac{1}{4}$ S18 BT.

65.00  
75.00  
76.72

Desc. NW. slope, 140 ft. to  
Wash, 40 lks. wide, course N. Asc. slightly to  
Intersect the E. bdy. of sec. 13, T. 16 N., R. 14 W.,  
3.92 chs. S. of the cor. of secs. 12 and 13, which is an iron post, established by me, as described in Book "A".  
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. 7 and 18, marked on brass cap  
1915 on S. rim;  
CC W. of center;  
T16N in N. and  
S12, S13, R14W in W. half;  
S7 in NE. and  
S18, R13W in SE. quadrant;  
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, E. of cor. Pits impracticable.  
Land, rolling and level.  
Soil, sandy, 2nd and 3rd rate.  
No timber.  
Undergrowth, greasewood, palo verde, ocotilla and scrub cedar.

June 8, 1915.

June 10, 1915: At 8 hrs. 30 m., a.m., l.m.t., I set off 34° 44 $\frac{1}{2}$ ' N: on the lat. arc; 22° 58 $\frac{1}{2}$ ' N: on the decl. arc; and determine a meridian with the solar at the cor. of secs. 7, 8, 17 and 18.

Thence I run  
N.0° 3' W., bet. secs. 7 and 8.  
Across drainage channel, through scattering undergrowth.

10.00  
23.50  
32.50  
40.00

Enter wash, course E.  
Leave wash and drainage channel, course E. Asc. 185 ft. to  
Top of asc;; brs. NW. and SE. Thence over level land.  
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 W. and  
S8 in E. half; from which  
A cedar limb, 5 ins. diam., brs. S.85 $\frac{1}{2}$ ° E., 160 lks. dist.; marked  $\frac{1}{4}$ S8 BT.  
A cedar limb, 6 ins. diam., brs. S.87 $\frac{1}{2}$ ° W., 43 lks. dist., marked  $\frac{1}{4}$ S7 BT.

43.10  
67.00  
75.00  
80.00

Road, brs. E. to Owens and W. to San Francisco Mine and Cedar.  
Desc. slight NE. slope to  
Wash, 30 lks. wide, course NE. Asc. slight SE. slope to  
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 R13W 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, level and rolling.

Chains.	Soil, sandy; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocatilla and scrub cedar.
40.00 79.73	S. 89° 52' E., on a random line, bet. secs. 5 and 8. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 2 lks. S. of the cor. of secs. 4, 5, 8 and 9. Thence I run N. 89° 53' W., on a true line, bet. secs. 5 and 8. Over rolling land, through scattering undergrowth. Asc. NE. slope, 90 ft. to
39.86 $\frac{1}{2}$	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 over level land.
60.00 70.00 75.00 79.73	Asc. slight E. slope to Thence along N. slope to Wash course NE. Asc. SE. slope. The cor. of secs. 5, 16, 7 and 8. Land, level and rolling. Soil, sandy, 3rd rate. No timber. Undergrowth, greasewood, sage brush, cacti and scrub cedar.
1.35 35.00 40.00	West on a true line, bet. secs. 6 and 7. Over gently rolling land, through scattering undergrowth. Thence over level land. Wash, 10 lks. wide, course NE.
76.50	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. Intersect the E. bdy. of sec. 12, T. 16 N., R. 14 W., 3.80 chs. S. of the cor. of secs. 1 and 12, which is an iron post, established by me, as described in Book "A". 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. 6 and 7, marked on brass cap 1915 on S. rim; CC W. of center; T16N in N. and S1, S12, R14W in W. half; S6 in NE. and S7, R13W in SE. quadrant; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor. Pits impracticable. Land, rolling and level. Soil, sandy; 3rd rate. No timber. Undergrowth, greasewood, palo verde, cacti and scrub cedar.
	June 10, 1915: At this cor., I set off 22° 59' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 45' N.

Subdivision of T. 16 N., R. 13 W.

37.

Chains.

N.0° 3' W., on a random line, bet. secs. 5 and 6.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.78 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".  
 Thence I run  
 S.0° 20' E., on a true line, bet. secs. 6 and 5.  
 Over rolling land, through scattering undergrowth.  
 Asc. NE. slope to  
 1.80 Ridge, brs. NW. and SE. Desc. SW. slope, 85 ft. to  
 14.80 Foot of desc., brs. NW. and SE. Thence over level land.  
 39.78 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 W. and  
 S5 in E. half;  
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
 W. of cor. Pits impracticable.  
 40:20 Leave level land, brs. NW. and SE. Desc. S. slope, 55 ft.  
 to  
 42.80 Enter wash, course SE.  
 65.20 Leave wash, course SE. Asc. NE. slope to  
 68.80 Spur, extends 2 chs. E. Desc. SE. slope to  
 70.15 Wash, 10 lks. wide, course E. Asc. N. slope, 25 ft. to  
 72.75 Spur, extends 2 chs. SE. Desc. slight SE. slope to  
 74.80 Wash, 10 lks. wide, course NE. Asc. N. slope, 20 ft. to  
 78.50 Spur, extends 2 chs. SE. Desc. slight SE. slope to  
 79.78 The cor. of secs. 5, 6, 7 and 8.  
 Land, rolling and level.  
 Soil, sandy; 2nd and 3rd rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocatilla and scrub  
 cedar.

H. N. B.  
 June 10, 1915.

## GENERAL DESCRIPTION.

This Tp. is divided, somewhat east of the center, by the Big Sandy River, a wide, shallow, intermittent stream, which flows from north to south through the Tp. This River is bordered by level land, covered with a dense undergrowth of mesquite, cat claw, and arrow-weed, except where clearings have been made by settlers, all of whom are located on this river bottom land. The SW. quarter of the Tp. is mountainous; the remainder varies from hilly and rolling to level land, and is covered with a scattering growth of greasewood, palo verde, ocatilla, scrub cedar and cacti.

Level land and dense undergrowth prevented the proper location, from section lines, of several settlers in this Tp. Where definite fixation was impossible, approximate locations were determined by estimation of distances in passing along the Kingman-Owens Road.

The settlers in sec. 3 are:- G. D. Atalee, who bought out Geo. Thompson; Chas. S. Russel; R. E. Morrow; R. L. Comer and R. O. Comer. G. D. Atalee has a small adobe house, with from twelve to fifteen acres partly leveled and under cultivation, and about forty acres fenced. Chas. S. Russel has a tent house, with about three acres under cultivation. R. E. Morrow, on the place formerly claimed by Frank Hensley, has about ten acres under cultivation. R. L. Comer has a large adobe house, with between thirty and forty acres cleared and under cultivation by a water supply independant of the Big Sandy River. R. O. Comer has a small adobe shack in sec. 3, with five acres under cultivation across the line in sec. 10.

The settlers in sec. 10 are:- R. P. Morrow, on the place formerly claimed by Arthur Kelley; and Ivan L. Neal. R. P. Morrow has an adobe house, with about ten acres under cultivation, and ten acres fenced. Two ditch rights also go with this property. About ten acres of Neal's cultivated land is in sec. 10.

The settlers in secs. 14 and 15 are I. L. Neal, O. O. Fullerton and Alva T. Jones. I. L. Neal has a frame house, with about twenty five acres fenced, twenty of them being under cultivation. O. O. Fullerton has a small house, with about twenty acres cleared and under cultivation. Alva T. Jones has a frame house, with about seven acres under cultivation.

The settlers in sec. 22 are:- W. R. Morrow, Jim Morrow, Roy Morrow, and William Brown. W. R. Morrow lives in a tent, and has less than an acre cleared and under cultivation with a hand pump. Jim and Roy Morrow have an adobe house, with about ten acres under cultivation. Part of William Brown's fenced land is in this section.

The settlers in sec. 23 are:- William Brown, W. A. Neal and A. E. Neal. William Brown has an adobe and a corrugated iron house, with about 15 acres under cultivation. A. E. Neal has a small field, between Brown's place and W. A. Neal's field, not shown on the plat. The line between secs. 23 and 26 runs through a small field claimed by W. A. Neal.

The settlers in sec. 27 are:- Thos. J. Hardwick, and C. L. Hoffman. T. J. Hardwick has a two-story adobe house with about fifteen acres under cultivation, and considerable fenced pasture. C. L. Hoffman has a tent house, but no cleared land.

The settlers in sec. 35 are A. Cornwall and L. C. Johnston, and in sec. 36, Pete Noli.

There is a hot spring in sec. 25.

U. S. Transition.

U. S. Transition.

51

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 13 West.  
of the Gila and Salt River Base and Meridian, Arizona,

executed by H. N. Bradstreet and Carl Dyson, U. S. Transitlemen, 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 P. Frost*

Surveyor General of Arizona

I certify that the foregoing transcript of the field notes of the above-described surveys in Book "C," has been correctly copied from the original notes on file in this office.