

BOOK "D"  
FIELD NOTES

BOOK 2915

OF THE SURVEY OF THE

Subdivision Lines of

Township 13 North-Range 15 West

of the Gila &amp; Salt River Base &amp; Meridian,

In the State of Arizona

EXECUTED BY

Irving W. Stoddard, U.S. Surveyor

and

R. D. Armstrong, U.S. Transitman

~~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, ~~pursuant to authority contained in the Act of~~~~Congress dated~~, 191

Survey commenced Feb. 22, 1915

Survey completed March 5, 1915

and executed under assignment instructions dated Jan. 28, 1915

1A

# Book "D"

BOOK 2915

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3<sup>rd</sup> Standard Par. North

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## Chains

Survey commenced Feb. 22, 1915, and executed jointly by Irving W. Stoddard, U. S. Surveyor, and R. D. Armstrong, U. S. Transitman, with Young and Son's light mountain transits, Nos. 8485, and 8531, with Smith Solar Attachments. For description of instruments, and certificates of approval, see Book "A".

In the following field notes, the initials I. W. S. and R. D. A. refer to Irving W. Stoddard, U. S. Surveyor, and R. D. Armstrong, U. S. Transitman, respectively. Knowing from recent and repeated tests of these instruments on a meridian established by observations on Polaris at elongation, that they are in adjustment, we proceed to the subdivision of T. 13 N., R. 15 W.

At 8 hrs. a.m., l.m.t., I set off  $34^{\circ} 25'$  N. on the lat. arc;  $10^{\circ} 23\frac{1}{2}'$  S. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 35 and 36, on the S. bdy. of the Tp., which is a granite stone, 5 X 14 X 6 ins. above ground, marked and witnessed as described by the Surveyor-General.

Thence I run I.W.S.

N.  $0^{\circ} 1'$  W., bet. secs. 35 and 36.

Over hilly land, through scattering undergrowth.

Asc. SW. slope, 80 ft. to

17.30 Spur, brs. NW. Desc. NE. slope, 170 ft. to

39.46 Wash, 10 lks. wide, course NW. Auto road, brs. NW. to Castaneta Well, and SE to Signal.

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;

$\frac{1}{4}$ S35 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.

Thence over rolling and broken land.

78.00 Spur, brs. W. Desc. N. slope, 30 ft. to

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;

T13N R15W 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, hilly and broken.

Soil, sandy and rocky, 3rd and 4th rate.

No timber.

Undergrowth, cat claw, acatilla and cacti.

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

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

79.98 Intersect E. bdy. of Tp, 19 lks. N. of the cor of secs. 25, 30, 31 and 36, which is an iron post, established by me, as described in Book "A". Thence I run,

N.  $89^{\circ} 52'$  W., on a true line, bet. secs. 25 and 36.

Over rolling land, through scattering undergrowth.

4.00 Wash, 15 lks. wide, course SW. through undergrowth

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

1915 on S. rim;

$\frac{1}{4}$ 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.

## Subdivision of T. 13 N., R. 15 W.

Chains.	
40.25	Road, brs. NE. and SE.
50.00	Gulch, course S. Asc. E. slope, 269 ft. to
64.40	Top of hill, brs. NE. and SW. Desc. NW. slope, 200 ft. to
79.98	The cor. of secs. 25, 26, 35 and 36. Land, rolling and mountainous. Soil, sandy and rocky, 3rd and 4th rate. No timber. Undergrowth, locatilla, cat claw, greasewood and cacti.
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	N.0° 1' W., bet. secs. 25 and 26. Over broken land, through scattering undergrowth.
2.90	Gulch, course W. Asc. SW. slope, 120 ft. to
9.80	Spur, brs. W. Desc. N. slope, 120 ft. to
18.00	Gulch, course W. Asc. SW. slope, 245 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ 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.
42.60	Spur, brs. W. Desc. NE. slope, 65 ft. to
59.30	Road, brs. NW. and SE.
59.85	Gulch, course NW. Asc. SW. slope.
64.80	Wash, 50 lks. wide, course W. Asc. S. slope, 70 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap 1915 on S. rim; T13N R15W in N. half; S23 in NW., S24 in NE., S25 in SE. and S26 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling and hilly. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, cat claw, locatilla and cacti.
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40.00	S.89° 52' E., on a random line, bet. secs. 24 and 25. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect E. bdy. of Tp., 14 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, established by R. D. A. as described in Book "A". Thence I run N.89° 58' W., on a true line, bet. secs. 24 and 25. Asc. NE. slope, 185 ft., over mountainous land, through scattering undergrowth. Across Beaver Mining Claim.
0.87	Leave Beaver, enter Atlanta Mining Claim, brs. N.10° 53' W., and S.10° 53' E. Corner No. 2 of Beaver Mining Claim, which is a pine post, 4 ins. square, set in a mound of stone, marked A-2-2534 on NW. face, brs. S. 10° 53' E., 7.92 chs. dist.
7.30	Spur, brs. N. From this point, a post, 5 ins. diam., set in a mound of stone, 5 ft. high, on the very top of Mc Cracken Peak, brs. S. $17\frac{1}{2}$ ° W., 1.85 chs. dist. An old post, 10 ft. long, partly decayed, is lying on the ground, beside the mound, but I could not tell whether there had been any marks on it or not. With this evidence I conclude that this is the U. S. Mineral Monument No. 1, Owens Mining District. Thence along N. slope.

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

Chains.  
 8.00 From this point, cor. No. 3 Alta Mining Claim, which is a post, 4 X 4 1/2 ins., set in a mound of stone, marked A No 3, brs. S. 4° 5' E., 2.02 chs. dist. Enter Alta Mining Claim, brs. N. 4° 5' W., and S. 4° 5' E.  
 17.19 Leave Alta Mining Claim, brs. N. 4° 5' W., and S. 4° 5' E. Cor. No. 5 Alta Mining Claim, which is a post, 4 ins. square, set in a mound of stone, marked A No 5, brs. S. 4° 5' E., 2.12 chs. dist.  
 19.15 From this point, a mound of rock, presumably U. S. Mineral Monument No. 1, Owens District, brs. S. 81 1/4° E.  
 19.70 Ridge, brs. NW. and SE. Desc. rocky SW. slope, 1010 ft.  
 40.02 Set a granite stone, 14 X 10 X 8 ins., 3 ins. in the ground, supported by a mound of rock, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.  
 52.60 Gulch, course SW.  
 55.60 Spur, brs. S. Continue to desc. SW. slope to  
 80.04 The cor. of secs. 23, 24, 25 and 26.  
 Land, mountainous.  
 Soil, rocky 4th rate.  
 No timber.  
 Undergrowth, yucca, ocotillo and cacti.

Feb. 22, 1915.

Feb. 24, 1915: At the cor. of secs. 23, 24, 25 and 26, I set off 9° 37' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 27' N.

Thence I run  
 N. 0° 1' W., bet. secs. 23 and 24.  
 Over mountainous land, through scattering undergrowth.  
 Asc. SW. slope, 380 ft.

5.00 Gulch, course SW. Continue asc.  
 22.50 Spur, brs. SE. Thence along W. slope.  
 24.00 Spur, brs. NW. Desc. NW. slope, 305 ft.  
 40.00 Set a basalt, 16 X 10 X 8 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.

This stone cor. was made necessary by the rocky nature of the ground, in which an iron post cor. could not be set satisfactorily.

45.00 Gulch, course W. Asc. SW. slope, 450 ft.  
 80.00 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;
- T13N R15W in N. half;
- S14 in NW.,
- S13 in NE.,
- S24 in SE. and
- S23 in SW. quadrant;

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

Land, mountainous.  
 Soil, rocky 4th rate.  
 No timber.  
 Undergrowth, yucca and cacti.

40.00 S. 89° 58' E., on a random line, bet. secs. 13 and 24.  
 Set temp. 1/4 sec. cor.  
 80.08 Intersect E. bdy. of Tp., 23 lks. N. of the cor. of secs. 13, 18, 19 and 24, which is an iron post, established by R. D. A., as described in Book "A".

Thence I run  
 N. 89° 48' W., on a true line, bet. secs. 13 and 24.  
 Over mountainous land, through scattering undergrowth.

Chains	
	Asc. NE. slope, 505 ft. to
25.68	Ridge, brs. NW. and SE. Desc. SW. slope, 340 ft. to
39.08	Gulch, course SW. Asc. SE. slope, 35 ft.
40.04	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
	ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
	1915 on S. rim;
	$\frac{1}{4}$ S13 in N. and
	S24 in S. half;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
	N. of cor. Pits impracticable.
42.78	Spur, brs. S. Desc. SW. slope, 110 ft. to
50.58	Gulch, course S. Asc. SE. slope, 230 ft. to
61.45	Spur, brs. S. Desc. SW. slope, 210 ft., along top of
	ridge, brs. W., to
80.08	The cor. of secs. 13, 14, 23 and 24.
	Land, mountainous.
	Soil, rocky 4th rate.
	No timber.
	Undergrowth, greasewood, cat claw and cacti.
	Feb. 24, 1915.
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	Feb. 25, 1915. At 8 hrs. a.m., l.m.t., I set off $34^{\circ} 28'$ N.
	on the lat. arc; $9^{\circ} 17\frac{1}{2}'$ S. on the decl. arc; and deter-
	mine a meridian with the solar at the cor. of secs. 13,
	14, 23 and 24.
	Thence I run
	N. $0^{\circ} 1'$ W., bet. secs. 13 and 14.
	Over mountainous land, through scattering undergrowth.
1.00	Spur, brs. W. Desc. N. slope, 145 ft. to
12.70	Gulch, course W. Asc. SW. slope, 475 ft. to
33.00	Ridge, brs. W. and SE. Desc. N. slope, 465 ft.
40.00	Point for $\frac{1}{4}$ sec. cor. falls on a black boulder, 5 X 5 X 4
	feet above ground, resting alone on N. hillside. Mark
	a cross at the exact point, and $\frac{1}{2}$ W on NW. face; and
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
	cor. Pits impracticable.
67.75	Gulch, course NW. Asc. SW. slope, 140 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
	ground, for cor. of secs. 11, 12, 13 and 14, marked on
	brass cap
	1915 on S. rim;
	T13N R15W in N. half;
	S11 in NW.,
	S12 in NE.,
	S13 in SE. and
	S14 in SW. quadrant;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
	W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, rocky 4th rate.
	No timber.
	Undergrowth, cat claw, yucca and cacti.
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	S. $89^{\circ} 48'$ E., on a random line, bet. secs. 12 and 13.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect E. bdy. of Tp., 28 lks. S. of the cor. of secs.
	7, 12, 13 and 18, which is an iron post, established
	by R. D. A., as described in Book "A".
	Thence I run
	West, on a true line, bet. secs. 12 and 13.
	Asc. E. slope, 60 ft., through scattering undergrowth.
7.50	Thence along N. slope.
15.00	Desc. NW. slope, 130 ft. to
17.60	Gulch, course NE. Asc. E. slope, 375 ft. to

<p>Chains 33.80 39.95  50.00 57.30 79.90</p>	<p>Rocky spur, brs. NW. Desc. SW. slope, 225 ft. 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>S12 in N. and S13 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>Gulch, course S. Asc. SE. slope, 70 ft. to Spur, brs. S. Desc. SW. slope, 190 ft. to The cor. of secs. 11, 12, 13 and 14. Land, mountainous Soil, rocky 4th rate. No timber. Undergrowth, cat claw, yucca and cacti. Feb. 25, 1915: The sky was overcast at noon, making an observation for lat. impossible.</p> <hr/> <p>N.0° 1' W., bet. secs. 11 and 12. Asc. SW. slope, 65 ft., over mountainous land, through scattering undergrowth., to</p> <p>3.40 Spur, brs. W. Desc. N. slope, 125 ft. to 9.60 Gulch, course NW. Asc. SW. slope, 65 ft. to 14.50 Spur, brs. SW. Desc. N. slope, 30 ft. to 18.10 Gulch, course SW. Asc. S. slope, 80 ft. to 24.40 Spur, brs. SW. Thence along broken W. slope. 40.00 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>S11 in W. and S12 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> <p>44.60 Spur, brs. NW. Gasoline stamp mill, brs. N. 78<math>\frac{3}{4}</math>° E., Bateman Spring, about 5 chs. E. of stamp Mill, brs. N. 77<math>\frac{1}{2}</math>° E. Desc. N. slope, 205 ft to</p> <p>72.00 Gulch, 70 lks. wide, course W. Asc. S. slope, 70 ft. 72.40 Road, brs. E. and W. to Stout's Well. 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; T13N R15W 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, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky 4th rate. No timber. Undergrowth, yucca, cat claw and cacti.</p> <hr/> <p>East, on a random line, bet. secs. 1 and 12. 40.00 Set temp. <math>\frac{1}{4}</math> sec. cor., 79.80 Intersect E. bdy. of Tp., 12 lks. N. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, established by R. D. A., as described in Book "A". Thence I run N.89° 55' W., on a true line, bet. secs. 1 and 12. Through scattering undergrowth. Desc. NW. slope, 25 ft. to 5.00 Ravine, course SW. Asc. SE. slope, 150 ft. to</p>
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Chains.  
 15.55 Spur, brs. SW. Desc. SW. slope, 245 ft.  
 15.86 From this point, Stamp Mill brs. S.  $39\frac{1}{2}^\circ$  W.  
 Bateman Spring brs. approximately S.  $38^\circ$  W.  
 35.40 Gulch, course SW. Asc. SE. slope, 35 ft. to  
 39.90 Spur, brs. SW. Set an iron post, 3 ft. long, 1 in. diam.,  
 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass  
 cap  
 1915 on S. rim;  
 $\frac{1}{4}$ S1 in N. and  
 S12 in S. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor. Pits impracticable.  
 Thence along S. slope of ridge, brs. E. and W.  
 79.80 The cor. of secs. 1, 2, 11 and 12.  
 Land, mountainous.  
 Soil, rocky 4th rate.  
 No timber.  
 Undergrowth, cat claw, yucca and cacti.  
 I. W. S.  
 Feb. 25, 1915.

Mar. 1, 1915. R. D. A.  
 N.  $0^\circ$  1' W., on a random line, bet. secs. 1 and 2.  
 40.00 Set temp  $\frac{1}{4}$  sec. cor.  
 80.29 Intersect N. bdy. of Tp., 14 lks. W. of the cor. of secs.  
 1, 2, 35 and 36, which is an iron post, established  
 by me, as described in Book "A".  
 Thence I run  
 S.  $0^\circ$  5' W., on a true line, bet. secs. 1 and 2.  
 Over very broken land, through scattering undergrowth.  
 34.29 Wash, 20 lks. wide, course W.  
 40.29 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;  
 $\frac{1}{4}$ 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.  
 Desc. S. slope, 40 ft. to  
 50.00 Wash, course W. Asc. N. slope 120 ft. to  
 75.00 Spur, brs. W. Desc. S. slope, 60 ft. to  
 80.29 The cor. of secs. 1, 2, 11 and 12.  
 Land, very broken.  
 Soil, rocky 4th rate.  
 No timber.  
 Undergrowth, yucca, greasewood, and cacti.  
 R. D. A.  
 Mar. 1, 1915.

Feb. 22, 1915: I. W. S.  
 From the standard cor. of secs. 34 and 35, on the S. bdy.  
 of the Tp., with granite stones, 6 X 8 X 6 ins. above  
 ground, marked and witnessed as described by the  
 Surveyor-General, I run  
 N.  $0^\circ$  1' W., bet. secs. 34 and 35.  
 Over broken land, through scattering undergrowth.  
 .70 Wash, 30 lks. wide, course SW.  
 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;  
 $\frac{1}{4}$ S34 in W. and  
 S35 in E. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor. Pits impracticable.



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

7.

Chains.

58.20 Asc. SW. slope, 135 ft. to  
 69.60 Spur, brs. E. and W. Desc. N. slope, 135 ft.  
 79.00 Auto road, brs. NW. to Castaneta Well and SE. to Signal.  
 Wash, 30 lks. wide, course NW.  
 ✓80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 26, 27, 34 and 35, marked on  
 brass cap

1915 on S. rim;  
 T13N R15W in N. half;  
 S27 in NW.,  
 S26 in NE.,  
 S35 in SE. and  
 S34 in SW. quadrant;  
 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor. Pits impracticable.

Land, broken.  
 Soil, rocky 4th rate.  
 No timber.  
 Undergrowth, cat claw, yucca and cacti.  
 Feb. 22, 1915: At this cor., I set off 10° 21' S. on the  
 decl. arc; and at apparent noon, I observe the sun on  
 the meridian; the resulting lat. is 34° 26' N.

40.00 East, on a random line, bet. secs. 26 and 35.  
 Set temp. ¼ sec. cor.  
 ✓80.02 Intersect N. and S. line, 19 lks. N. of the cor. of secs.  
 25, 26, 35 and 36.  
 Thence I run  
 ✓ N. 89° 52' W., on a true line, bet. secs. 26 and 35.  
 Over broken land, through scattering undergrowth.  
 10.00 Gulch, course NW.  
 15.40 Spur, brs NW.  
 29.60 Gulch, course NW. Asc. NE. slope, 70 ft. to  
 35.15 Spur, brs. NW. Desc. SW. slope, 75 ft.  
 ✓40.01 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for ¼ sec. cor., marked on brass cap

1915 on S. rim;  
 ¼ S26 in N. and  
 S35 in S. half;  
 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 N. of cor. Pits impracticable.

40.50 Gulch, course NW. Thence along N. slope.  
 65.00 Spur, brs. NW. Desc. SW. slope, 125 ft. to  
 80.02 The cor. of secs. 26, 27, 34 and 35.  
 Land, broken.  
 Soil, rocky 4th rate.  
 No timber.  
 Undergrowth, cat claw, cocatilla, and cacti.  
 Feb. 22, 1915.

Feb. 24, 1915: At 10 hrs. a.m., l.m.t., I set off  
 34° 26' N. on the lat. arc; 9° 39' S. on the decl.  
 arc; and determine a meridian with the solar at the  
 cor. of secs. 26, 27, 34 and 35.  
 Thence I run  
 N. 0° 1' W., bet. secs. 26 and 27.  
 Over gently rolling land, through scattering undergrowth.

3.50 Spur, brs. NW. Desc. N. slope.  
 7.50 Gulch, course W.  
 20.00 Wash, course SW.  
 24.30 Old road, brs. E. and 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;  
 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor. Pits impracticable.

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

Chains.	
75.00	Wash, 50 lks. wide, course SW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, marked on brass cap 1915 on S. rim; T13N R15W in N. half; S22 in NW., S23 in NE., S26 in SE. and S27 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, sandy, 3rd and 4th rate. No timber. Undergrowth, greasewood, cat claw, yucca and cacti.
40.00	S. $89^{\circ} 52'$ E., on a random line, bet. secs. 23 and 26. Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, 19 lks. S. of the cor. of secs. 23, 24, 25 and 26. Thence I run West, on a true line, bet. secs. 23 and 26. Desc. SW. slope, 65 ft., through scattering undergrowth, to 16.00 Gulch, course SW. Asc. SE. slope, 80 ft. to 26.00 Spur, brs. SW. Thence over rolling 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; $\frac{1}{4}$ 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.
55.00	Wash, 50 lks. wide, course SW.
80.00	The cor. of secs. 22, 23, 26 and 27. Land, rolling. Soil, sandy, 3rd and 4th rate. No timber. Undergrowth, greasewood, cat claw, yucca and cacti. Feb. 24, 1915.
10.00	Feb. 27, 1915: N. $0^{\circ} 1'$ W., bet. secs. 22 and 23. Over rolling land, through scattering undergrowth. Asc. SW. slope, 115 ft. to 28.40 Spur, brs. SW. Desc. NW. slope, 125 ft. to 39.40 Gulch, course SW. Asc. SW. slope, 125 ft. 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S22 in W. and S23 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
47.30	Spur, brs. SW. Thence along W. slope.
67.50	Spur, brs. W. Desc. NW. slope, 1 00 ft. to
76.30	Gulch, course SW. Asc. S. slope to
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

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

Chains.

1915 on S. rim;  
T13N R15W in N. half;  
S15 in NW.,  
S14 in NE.,  
S23 in SE. and  
S22 in SW. quadrant;

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

Land, rolling and hilly  
Soil, rocky and sandy, 4th rate.  
No timber.

Undergrowth, greasewood, cat claw and cacti.

Feb. 27, 1915: At this cor., I set off 8° 50½' S. on the  
decl. arc; and at apparent noon, I observe the sun on  
the meridian; the resulting lat. is 34° 28' N.

East, on a random line, bet. secs. 14 and 23.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N. and S. line, 16 lks. N. of the cor. of secs.  
13, 14, 23 and 24.

Thence I run

N. 89° 53' W., on a random line, bet. secs. 14 and 23.

Desc. SW. slope, 210 ft., through scattering undergrowth.

10.20 Spur, brs. SW. Desc. W. slope.

22.30 Gulch, course S. Asc. SE. slope, 180 ft. to

32.80 Spur, brs. SW. Desc. SW. slope, 250 ft.

40.00 Point for cor. falls on outcropping ledge. Set a basalt stone  
26 X 14 X 6 ins., 20 ins. in a mound of stone, for ¼  
sec. cor., marked ¼ on N. face; and raise a mound of  
stone, 2 ft. base, 1½ ft. high, W. of cor. Pits  
impracticable.

45.00 Gulch, course NW. Asc. NE. slope to

50.00 Spur, brs. NW. Desc. NW. slope, 45 ft. to

53.00 Gulch, course SW. Asc. SE. slope, 70 ft. to

67.00 Spur, brs. S. Thence desc. along top of spur, brs. W. to

80.00 The cor. of secs. 14, 15, 22 and 23.

Land, mountainous.  
Soil, rocky and sandy, 4th rate.  
No timber.  
Undergrowth, greasewood, cat claw, yucca and cacti.

N. 0° 1' W., bet. secs. 14 and 15.

Over rolling land, through scattering undergrowth.

1.00 Spur, brs. W. Desc. NW. slope.

8.00 Gulch, course W.

29.00 Gulch, course W.

36.20 Gulch, course SW.

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 S15 in W. and

S14 in E. half;

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

Asc. rocky SW. slope, 120 ft. to

44.80 Top and end of spur, brs. W. Desc. NW. slope, 110 ft. to

50.00 Foot of slope, brs. E. and W. Thence over rolling land to

63.00 Wash, course SW.

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;

T13N R15W in N. half;

S10 in NW.,

S11 in NE.,

S14 in SE. and

S15 in SW. quadrant;

Chains.

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor. Pits impracticable.  
 Land, rolling and hilly.  
 Soil, sandy, 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, cat claw, yucca and cacti.

40.00  
80.06

S.89° 53' E., on a random line, bet. secs. 11 and 14.  
 Set temp. ¼ sec. cor.  
 Intersect N. and S. line, 30 lks. S. of the cor. of secs.  
 11, 12, 13 and 14.

Thence I run  
 S.89° 54' W., on a true line, bet. secs. 11 and 14.  
 Along S. slope of ridge, brs. E. and W., through scatter-  
 ing undergrowth.

38.86  
40.03

Wash, course NW. Asc. E. slope, 170 ft.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for ¼ sec. cor., marked on brass cap  
 1915 on S. rim;  
 ¼S11 in N. and  
 S14 in S. half;

45.00  
55.00  
80.06

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 N. of cor. Pits impracticable.  
 Top of butte; desc. W. slope, 180 ft. to  
 Foot of desc.; thence over rolling land.  
 The cor. of secs. 10, 11, 14 and 15.

Land, rolling and hilly.  
 Soil, sandy and rocky, 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, cat claw, yucca and cacti.  
 I. W. S.  
 Feb. 27, 1915.

10.00  
40.00

Mar. 1, 1915: R. D. A.  
 At 8 hrs. 5 m., a.m., l.m.t., I set off 34° 28½' N. on the  
 lat. arc; 7° 48' S. on the decl. arc; and determine a  
 meridian with the solar at the cor. of secs. 10, 11,  
 14 and 15.

Thence I run  
 N.0° 1' W., bet. secs. 10 and 11.  
 Over rolling land, through scattering undergrowth.

Wash, 40 lks. wide, course SW.  
 Wash, 10 lks. wide, course NW. Set an iron post, 3 ft. long,  
 1 in. diam., 26 ins. in the ground, for ¼ sec. cor.,  
 marked on brass cap  
 1915 on S. rim;  
 ¼S10 in W. and  
 S11 in E. half;

73.00  
73.20  
80.00

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor. Pits impracticable.  
 Wash, 40 lks. wide, course W.  
 Road, brs. W. to Castaneta Well, and E. to Bateman Spring.  
 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;  
 T13N R15W in N. half;  
 S3 in NW.,  
 S2 in NE.,  
 S11 in SE. and  
 S10 in SW. quadrant;  
 and raise a mound of stone, 2 ft. base, 1½ ft. high.  
 W. of cor. Pits impracticable.

Land, rolling.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, yucca, greasewood, and cacti.

## Subdivision of T. 13 N., R. 15 W. 11.

Chains.	N.89° 54' E., on a random line, bet. secs. 2 and 11.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line, 23 lks. N. of the cor. of secs. 1, 2, 11 and 12.
	Thence I run
	N.89° 56' W., on a true line, bet. secs. 2 and 11.
14.50	Desc. SW. slope, 205 ft., through scattering undergrowth.
40.05	Road, brs. NW. to Yucca, and SE. to Bateman Spring.
	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;
	$\frac{1}{4}$ S2 in N. and
	S11 in S. half;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
59.30	Road, brs. NE. to Bateman Spring, and SW. to Castaneta Well.
60.00	Wash, 40 lks. wide, course SW.
80.10	The cor. of secs. 2, 3, 10 and 11.
	Land, broken.
	Soil, 4th rate.
	No timber.
	Undergrowth, yucca, greasewood, and cacti.
	Mar. 1, 1915: At this cor., I set off 7° 45' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 29 $\frac{1}{2}$ ' N.
	Mar. 1, 1915.
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	Mar. 3, 1915.
	N.0° 1' W., on a random line, bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.17	Intersect N. bdy. of Tp., 12 lks. E. of the cor. of secs. 2, 3, 34 and 35, which is an iron post, established by me, as described in Book "A".
	Thence I run
	S.0° 6' E., on a true line, bet. secs. 2 and 3.
	Over rolling land, through scattering undergrowth.
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
	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.
65.85	Road, brs. NW. to Yucca, and SE. to Bateman Spring.
80.17	The cor. of secs. 2, 3, 10 and 11.
	Land, rolling.
	Soil, 3rd rate.
	No timber.
	Undergrowth, yucca, greasewood and cacti.
	Mar. 3, 1915.
	R. D. A.
-----	
	Feb. 23, 1915: I. W. S.
	At 8 hrs. a.m., l.m.t., I set off 34° 25' N. on the lat. arc; 10° 2' S. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 33 and 34 on the S. bdy. of the Tp., which is a granite stone, 6 X 10 X 12 ins. above ground, marked and witnessed as described by the Surveyor-General.
	Thence I run
	N.0° 2' W., bet. secs. 33 and 34.
	Desc. NE. slope, 40 ft., through scattering undergrowth.
9.60	Gulch, course NW. Asc. SW. slope, 120 ft. to

Chains.	
20.30	End of spur, and top of peak. Desc. N. slope, 180 ft. to
34.40	Wash, 100 lks. wide, course NW. Thence over rolling 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; $\frac{1}{2}$ S33 in W. and S34 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
55.00	Spur, brs. W.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, marked on brass cap 1915 on S. rim; T13N R15W in N. half; S28 in NW., S27 in NE., S34 in SE. and S33 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, rolling and hilly. Soil, sandy, 3rd and 4th rate. No timber. Undergrowth, greasewood, yucca and cacti.
-----	
	East, on a random line, bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, 23 lks. S. of the cor. of secs. 27, 28, 33 and 34.
	Thence I run S. $89^{\circ} 50'$ W., on a true line, bet. secs. 27 and 34. Over rolling land, through scattering undergrowth.
3.00	Wash, 60 lks. wide, course W.
8.20	Auto road, brs. NW. to Castaneta Well, and SE. to Signal.
15.00	Asc. NE. slope, 105 ft. to
31.80	Spur, brs. N. Desc. NW. 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; $\frac{1}{2}$ S27 in N. and S34 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
80.00	The cor. of secs. 27, 28, 33 and 34. Land, rolling. Soil, sandy and rocky, 4th rate. No timber. Undergrowth, greasewood, cat claw and cacti. Feb. 23, 1915: At this cor., I set off $9^{\circ} 59'$ S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is $34^{\circ} 26'$ N.
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	Feb. 27, 1915: At 8 hrs. a.m., l.m.t., I set off $34^{\circ} 26'$ N. on the lat. arc; $8^{\circ} 33'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 27, 28, 33 and 34.
	Thence I run N. $0^{\circ} 2'$ W., bet. secs. 27 and 28. Asc. over slightly rolling land, draining S., through scattering undergrowth
.10	Old road, brs. NE. and SW.
12.30	Top of ascent. Desc. and SW. to
25.50	Auto road, brs. NW. to Castaneta Well, and SE. to Signal.
29.00	Wash, 100 lks. wide, course NW.

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

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;  
            $\frac{1}{4}$ S28 in W. and  
           S27 in E. half;  
           and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 70.00 Wash, 100 lks. wide, course W.  
 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;  
           T13N R15W in N. half;  
           S21 in NW.,  
           S22 in NE.,  
           S27 in SE. and  
           S28 in SW. quadrant;  
           and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 Land, rolling.  
 Soil, sandy and rocky, 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, ocatilla, cat claw and cacti.

-----  
 40.00 N.89° 50' E., on a random line, bet. secs. 22 and 27.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.10 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 22, 23, 26 and 27.  
 Thence I run  
 S.89° 52' W., on a true line, bet. secs. 22 and 27.  
 Desc. SW. slope 80 ft., through scattering undergrowth.  
 10.00 Low spur, brs. SW. Continue desc.  
 35.00 Thence over rolling land.  
 40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap  
           1915 on S. rim;  
            $\frac{1}{4}$ S22 in N. and  
           S27 in S. half;  
           and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 63.00 Wash, 100 lks. wide, course SW. Asc. SE. slope, 45 ft. to  
 75.00 Low spur, from knoll, brs. SW. Desc. NW. slope, 40 ft. to  
 80.10 The cor. of secs. 21, 22, 27 and 28.  
 Land, rolling.  
 Soil, sandy, 4th rate.  
 No timber.  
 Undergrowth, greasewood, yucca, ocatilla and cacti.

I. W. S.

-----  
 R.D.A.  
 N.0° 2' W., bet. secs. 21 and 22.  
 Over rolling land, through scattering undergrowth.  
 Asc. SE. slope, 75 ft. to top  
 6.50 Spur, brs. SW. Desc. NW. slope, 100 ft. to  
 20.00 Thence over rolling mesa.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap  
           1915 on S. rim;  
            $\frac{1}{4}$ S21 in W. and  
           S22 in E. half;  
           and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

Chains.	
50.00	Wash, 25 lks. wide, course SW. Asc. SW. slope, 125 ft. to
68.00	Spur, brs. SW. Desc. NW. slope, 100 ft. to
79.00	Wash, 20 lks. wide, course SW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, on bed rock, supported by a mound of stone, for cor. of secs. 15, 16, 21 and 22, marked on brass cap 1915 on S. rim; T13N R15W in N. half; S16 in NW., S15 in NE., S22 in SE. and S21 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, 3rd rate. No timber. Undergrowth, greasewood, yucca and cacti.
40.00	N. $89^{\circ} 52'$ E., on a random line, bet. secs. 15 and 22. Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect N. and S. line, 16 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence I run S. $89^{\circ} 45'$ W., on a true line, bet. secs. 15 and 22. Over rolling land, through scattering undergrowth.
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; $\frac{1}{4}$ S15 in N. and S22 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
41.80	Ridge, brs. NE. and SW. Desc. NW. slope, 150 ft. to
78.80	Wash, 40 lks. wide, course SW.
79.80	The cor. of secs. 15, 16, 21 and 22. Land, rolling. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood, cat claw, yucca and cacti. Feb. 27, 1915: At this cor., I set off $8^{\circ} 30\frac{1}{2}'$ S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is $34^{\circ} 28\frac{1}{2}'$ N.
5.00	N. $0^{\circ} 2'$ W., bet. secs. 15 and 16. Asc. S. slope, over rolling land, through scattering undergrowth. Spur, brs. W. Desc. N. slope, 50 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; $\frac{1}{4}$ S16 in W. and S15 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked on brass cap 1915 on S. rim; T13N R15W in N. half; S9 in NW., S10 in NE., S15 in SE. and S16 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.



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

Chains

Land, rolling.  
Soil, 3rd rate.  
No timber.  
Undergrowth, greasewood, yucca and cacti.

40.00 N.89° 45' E., on a random line, bet. secs. 10 and 15.  
79.78 Set temp.  $\frac{1}{4}$  sec. cor.  
Intersect W. and S. line, 37 lks. N. of the cor. of secs. 10, 11, 14 and 15.

Thence I run  
439.89 N.89° 59' W., on a true line, bet. secs. 10 and 15.  
Over rolling 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;  
 $\frac{1}{2}$ S10 in N. and  
S15 in S. half;  
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
N. of cor. Pits impracticable.

79.78 The cor. of secs. 9, 10, 15 and 16.  
Land, gently rolling.  
Soil, 3rd rate.  
No timber.  
Undergrowth, greasewood, yucca and cacti.

Feb. 27, 1915.

Mar. 3, 1915.  
N.0° 2' W., bet. secs. 9 and 10.  
Over rolling land, through scattering undergrowth.

5.00 Asc. S. slope, 190 ft. to  
17.80 Top of butte. Desc. NE. slope, 190 ft. to  
35.00 Thence over rolling 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;  
 $\frac{1}{2}$ S9 in W. and  
S10 in E. half;

dig pits, 15 X 18 X 12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

80.00 Set 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;  
T13N R15W 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.

Land, rolling and level.  
Soil, 3rd rate.  
No timber.  
Undergrowth, yucca, greasewood and cacti.

40.00 S.89° 59' E., on a random line, bet. secs. 3 and 10.  
79.76 Set temp.  $\frac{1}{4}$  sec. cor.  
Intersect W. and S. line, 2 lks. S. of the cor. of secs. 2, 3, 10 and 11.

Thence I run  
West, on a true line, bet. secs. 3 and 10.

Chains.	
39.88	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; $\frac{1}{4}$ S3 in N. and S10 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
79.76	The cor. of secs. 3, 4, 9 and 10. Land, level. Soil, 3rd rate. No timber. Undergrowth, yucca, greasewood, and cacti. <p style="text-align: right;">R. D. A. Mar. 3, 1915.</p>
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40.00	Mar. 3, 1915: I. W. S. N.0° 2' W., on a random line, bet. secs. 3 and 4. Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. bdy. of Tp., 9 lks. E. of the cor. of secs. 3, 4, 33 and 34, which is an iron post, established by R. D. A., as described in Book "A". Thence I run S.0° 6' E., on a true line, bet. secs. 3 and 4. Over level land, through scattering undergrowth.
20.96	Wash, 40 lks. wide, course SW.
39.96	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.
78.91	Road, brs. NE. to Yucca, and SW. to Castaneta Well.
79.96	The cor. of secs. 3, 4, 9 and 10. Land, level. Soil, 3rd rate. No timber. Undergrowth, greasewood, yucca and cacti. <p style="text-align: right;">Mar. 3, 1915.</p>
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	Feb. 23, 1915. From the standard cor. of secs. 32 and 33, on the S. bdy. of the Tp., which is a granite stone; 5 X 14 X 10 ins. above ground, marked and witnessed as described by the Surveyor-General, I run N.0° 2' W., bet. secs. 32 and 33. Over rolling land, through scattering undergrowth.
.50	Gulch, course NW.
20.00	Wash, 70 lks. wide, course W.
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. half; $\frac{1}{4}$ 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.
58.00	Wash, 150 lks. wide, course W.
63.00	Road, brs. E. and W.
75.00	Asc. S. slope, 50 ft. to
80.00	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

Chains.

1915 on S. rim;  
T13N R15W 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 1/2 ft. high,  
W. of cor. Pits impracticable.  
Land, rolling and broken.  
Soil, sandy and rocky, 4th rate.  
No timber.  
Undergrowth, greasewood, cat claw, yucca and cacti.

40.00 East, on a random line, bet. secs. 28 and 33.  
Set temp. 1/2 sec. cor.  
79.90 Intersect N. and S. line, 9 lks. N. of the cor. of secs.  
27, 28, 33 and 34.  
Thence I run  
N.89° 56' W., on a true line, bet. secs. 28 and 33.  
Along S. slope, through scattering undergrowth.  
.10 Road, brs. NE. to Signal., and SW.  
19.90 Gulch, course SW. Asc. SE. slope, 55 ft. to  
22.90 Spur, brs. SW. Desc. W. slope, 105 ft. to  
34.90 Gulch, course SW. Thence over rolling land.  
39.95 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 S28 in N. and  
S33 in S. half;

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
N. of cor. Pits impracticable.  
79.90 The cor. of secs. 28, 29, 32 and 33.  
Land, rolling and hilly.  
Soil, sandy and rocky, 4th rate.  
No timber.  
Undergrowth, greasewood, cat claw, yucca and cacti.

I. W. S.  
Feb. 23, 1915.

Feb. 27, 1915. R. D. A.

At 8 hrs. 10 m., a.m., l.m.t., I set off 34° 26' N. on the  
lat. arc; 8° 33' S. on the decl. arc; and determine a  
meridian with the solar at the cor. of secs. 28, 29,  
32 and 33.

Thence I run  
N.0° 2' W., bet. secs. 28 and 29.  
Over rolling land, through scattering undergrowth.

1.00 Spur, brs. E. Desc. NE. slope, 115 ft. to  
20.00 Thence over rolling land.  
34.00 Road, brs. E. to Signal, and W. to Castaneta Well.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for 1/4 sec. cor., marked on brass cap

1915 on S. rim;  
1/4 S29 in W. and  
S28 in E. half;

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

50.50 Desc. cliffs, 15 ft. high, br. E. and W.  
Thence over rolling land.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in  
the ground, for cor. of secs. 20, 21, 28 and 29, mark-  
ed on brass cap

Chains.

1915 on S. rim;  
T13N R15W in N. half;  
S20 in NW.,  
S21 in NE.,  
S28 in SE. and  
S29 in SW. quadrant;

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

Land, rolling.

Soil, sandy and rocky, 3rd and 4th rate.

No timber.

Undergrowth, greasewood, cat claw, yucca and cacti.

40.00

S.89° 56' E., on a random line, bet. secs. 21 and 28.

80.00

Set temp. ¼ sec. cor.

Intersect N. and S. line, 19 lks. N. of the cor. of secs.  
21, 22, 27 and 28.

Thence I run

N.89° 48' W., on a true line, bet. secs. 21 and 28.

Over rolling land, through scattering undergrowth.

12.50

Spur, brs. SW.

38.20

Road, brs. NW. to Bateman Spring and SE. to Signal.

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;  
¼S21 in N. and  
S28 in S. half;

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

80.00

The cor. of secs. 20, 21, 28 and 29.

Land, rolling.

Soil, 3rd and 4th rate.

No timber.

Undergrowth, greasewood, cat claw, yucca and cacti.

Feb. 27, 1915.

Mar. 2, 1915:

N.0° 2' W., bet. secs. 20 and 21.

Over broken land, through scattering undergrowth.

39.00

Road, brs. NE. to Bateman Spring, and SW. to Castaneta  
Well.

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;  
¼S20 in W. and  
S21 in E. half;

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

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
ground, for cor. of secs. 16, 17, 20 and 21, marked on  
brass cap

1915 on S. rim;  
T13N R15W in N. half;  
S17 in NW.,  
S16 in NE.,  
S21 in SE. and  
S20 in SW. quadrant;

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

Land, broken.

Soil, 4th rate.

No timber.

Undergrowth, greasewood, cat claw, yucca and cacti.

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

Chains	
40.00	S.89° 48' E., on a random line, bet. secs. 16 and 21. Set temp. $\frac{1}{4}$ sec. cor.
80.24	Intersect N. and S. line, 33 lks. S. of the cor. of secs. 15, 16, 21 and 22. Thence I run
38.24	S.89° 58' W., on a true line, bet. secs. 16 and 21. Over rolling land, through scattering undergrowth. Road, brs. NE. to Bateman Spring, and SW. to Castaneta Well.
40.12	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.
50.24	Road, brs. N. to Yucca, and S. to Castaneta Well, or Signal.
80.24	The cor. of secs. 16, 17, 20 and 21. Land, rolling. Soil, 3rd rate. No timber. Undergrowth, greasewood, yucca, and cacti. Mar. 2, 1915.
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Mar. 3, 1915.	
40.00	N.0° 2' W., bet. secs. 16 and 17. 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; $\frac{1}{4}$ S17 in W. and S16 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on brass cap 1915 on S. rim; T13N R15W in N. half; S8 in NW., S9 in NE., S16 in SE. and S17 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, level. Soil, 3rd rate. No timber. Undergrowth, greasewood, yucca and cacti.
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40.00	N.89° 58' E., on a random line, bet. secs. 9 and 16. Set temp. $\frac{1}{4}$ sec. cor.
80.28	Intersect N. and S. line, 30 lks. S. of the cor. of secs. 9, 10, 15 and 16. Thence I run
28.36	S.89° 45' W., on a true line, bet. secs. 9 and 16. Over level land, through scattering undergrowth. Road, brs. N.15° E. to Yucca, and S. 15° W. to Castaneta Well, or Signal.
40.14	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; $\frac{1}{4}$ S9 in N. and S16 in S. half;

Chains.	
80.28	<p>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.  The cor. of secs. 8, 9, 16 and 17.  Land, level.  Soil, 3rd rate.  No timber.  Undergrowth, greasewood, cat claw, yucca and cacti.  Mar. 3'15: At this cor., I set off <math>6^{\circ} 59\frac{1}{2}'</math> S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is <math>34^{\circ} 28\frac{1}{2}'</math> N.  R. D. A.</p>
5.30 40.00 80.00	<p>I. W. S.  N. <math>0^{\circ} 2'</math> W., bet. secs. 8 and 9.  Over level land, through scattering undergrowth.  Old road, brs. NE. and SW.  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 W. and  S9 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.  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;  T13N R15W in E. half;  S5 in NW.,  S4 in NE.,  S9 in SE. and  S8 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.  Soil, 3 rd rate.  No timber.  Undergrowth, greasewood, cat claw, yucca and cacti.</p>
40.00 80.18 .38 40.09 80.18	<p>N. <math>89^{\circ} 45'</math> E., on a random line, bet. secs. 4 and 9.  Set temp. <math>\frac{1}{4}</math> sec. cor.  Intersect N. and S. line, 30 lks. N. of the cor. of secs. 3, 4, 9 and 10.  Thence I run  S. <math>89^{\circ} 58'</math> W., on a true line, bet. secs. 4 and 9.  Over level land, through scattering undergrowth.  Road, brs. NE. to Yucca, and SW. to Castaneta Well, or Signal.  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>S4 in N. and  S9 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.  The cor. of secs. 4, 5, 8 and 9.  Land, level.  Soil, 3rd rate.  No timber.  Undergrowth, greasewood, cat claw, yucca and cacti.  I. W. S.  Mar. 3, 1915.</p>

Subdivision of T. 13 N., R. 15 W. 21

Chains

Mar. 5, 1915, R. D. A.  
 From the cor. of secs., 4, 5, 8 and 9, I run  
 N.0° 2' W., on a random line, bet. secs. 4 and 5.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 ✓79.84 Intersect N. bdy. of Tp., 9 lks. E. of the cor. of secs.  
 4, 5, 32 and 33, which is an iron post, established  
 by me, as described in Book "A".  
 Thence I run  
 S.0° 6' E., on a true line, bet. secs. 4 and 5.  
 Over level land, through scattering undergrowth.  
 15.84 Wash, 50 lks. wide, course SW.  
 ✓39.84 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.  
 79.84 The cor. of secs. 4, 5, 8 and 9.  
 Land, level.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, cat claw, yucca and cacti.  
 R. D. A.  
 Mar. 5, 1915.

I.W.S.

Mar. 1, 1915: At 10 hrs. a.m., l.m.t., I set off 34° 25' N.,  
 on the lat. arc; 7° 47' S. on the decl. arc; and deter-  
 mine a meridian with the solar at the standard cor. of  
 secs. 31, and 32, on the S. bdy. of the Tp., which is  
 an iron post, marked and witnessed as described by  
 the Surveyor-General.  
 Thence I run  
 N.0° 3' W., bet. secs. 31 and 32.  
 Over rolling land, through scattering undergrowth.  
 21.80 Road, brs. E. and W.  
 26.80 Wash, course W.  
 35.00 Spur, brs. W.  
 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;  
 $\frac{1}{4}$ 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.  
 55.00 Wash, 20 lks. wide, course SW.  
 72.50 Low ridge, 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. 29, 30, 31 and 32, marked on  
 brass cap  
 1915 on S. rim;  
 T13N R15W 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.  
 Land, rolling and hilly.  
 Soil, sandy and rocky, 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, cat claw, yucca and cacti.

East, on a random line, bet. secs. 29 and 32.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 ✓79.72 Intersect N. and S. line, 21 lks. S. of the cor. of secs.  
 28, 29, 32 and 33.

Chains.	Thence I run S.89° 51' W., on a true line, bet. secs. 29 and 32, Asc. SE. slope, 130 ft., through scattering undergrowth, to
20.80	Rim rock, brs. NW. and SE. Thence across butte.
28.55	Rim rock, brs. N. and S. Desc. NW. slope, 270 ft.
39.86	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.
79.72	Mar. 1, 1915: At this cor., I set off 7° 45' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 26' N. The cor. of secs. 29, 30, 31 and 32. Land, rolling and mountainous. Soil, sandy and rocky, 3rd and 4th rate. No timber. Undergrowth, greasewood, cat claw, yucca and cacti. I. W. S. Mar. 1, 1915.
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	Mar. 2, 1915: R. D. A. At 8 hrs. 5. m., a.m., 1.m.t., I set off 34° 26' N. on the lat. arc; 7° 25' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 29, 30, 31 and 32.
	Thence I run West, on a random line, bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.72	Intersect W. bdy. of Tp., 23 lks. W. of the cor. of secs. 25, 30, 31 and 36, which is a stone, established by I. W. S., as described in Book "A".
	Thence I run N.89° 50' E., on a true line, bet. secs. 30 and 31.
39.72	Over broken 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; $\frac{1}{4}$ 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.
79.72	The cor. of secs. 29, 30, 31 and 32. Land, broken. Soil, 4th rate. No timber. Undergrowth, greasewood, yucca and cacti.
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	N.0° 3' W., bet. secs. 29 and 30. Over rolling land, through scattering undergrowth.
28.20	Road, brs. E. to Signal, and W. to Castaneta Well.
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; $\frac{1}{4}$ S30 in W. and S29 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.
50.00	Wash, 50 lks. wide, course W.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked on brass cap



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

Chains.

1915 on S. rim;  
T13N R15W in N. half;  
S19 in NW.,  
S20 in NE.,  
S29 in SE. and  
S30 in SW. quadrant;

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

Land, broken.  
Soil, 4th rate.  
No timber.

Undergrowth, greasewood, cat claw, yucca and cacti.

40.00 N.89° 51' E., on a random line, bet. secs. 20 and 29.  
Set temp. 1/4 sec. cor.  
79.78 Intersect N. and S. line, 7 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.  
Over level land, through scattering undergrowth.

24.78 Road, brs. NE. to Bateman Spring or Yucca, and SW. to  
Castaneta Well.

39.89 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 S20 in N. and  
S29 in S. half;

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

79.78 The cor. of secs. 19, 20, 29 and 30.  
Land, level.  
Soil, 4th rate.  
No timber.

Undergrowth, greasewood, cat claw, yucca and cacti.  
Mar. 2, 1915: At this cor., I set off 7° 22' S. on the  
decl. arc; and at apparent noon, I observe the sun on  
the meridian; the resulting lat. is 34°27' N.  
Mar. 2, 1915.

Mar. 3, 1915.  
40.00 S.89° 50' W., on a random line, bet. secs. 19 and 30.  
Set temp. 1/4 sec. cor.  
79.70 Intersect W. bdy. of Tp., 2 lks. S. of the cor. of secs.  
19, 24, 25 and 30, which is an iron post, established  
by I. W. S., as described in Book "A".

Thence I run  
N.89° 51' E., on a true line, bet. secs. 19 and 30.  
Over rolling land, through scattering undergrowth.

39.70 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 S19 in N. and  
S30 in S. half;

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

79.70 The cor. of secs. 19, 20, 29 and 30.  
Land, rolling.  
Soil, 4th rate.  
No timber.

Undergrowth, greasewood, cat claw, yucca and cacti.

40.00 N.0° 3' W., bet. secs. 19 and 20.  
Over rolling land, through scattering undergrowth.  
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 S19 in W. and

Chains.

80.00	<p>S20 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> <p>Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked on brass cap</p> <p>1915 on S. rim; T13N R15W in N. half; S18 in NW., S17 in NE., S20 in SE. and S19 in SW. quadrant;</p> <p>and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p> <p>Land, rolling. Soil, 4th rate. No timber. Undergrowth, greasewood, cat claw, yucca and cacti.</p>
40.00	<p>N. <math>89^{\circ} 48'</math> E., on a random line, bet. secs. 17 and 20. Set temp. <math>\frac{1}{4}</math> sec. cor.</p>
79.96	<p>Intersect N. and S. line, 2 lks. S. of the cor. of secs. 16, 17, 20 and 21. Thence I run</p>
39.98	<p>S. <math>89^{\circ} 47'</math> W., on a true line, bet. secs. 17 and 20. Over level land, through scattering undergrowth.</p> <p>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</p> <p>1915 on S. rim; <math>\frac{1}{4}</math>S17 in N. and S20 in S. half;</p> <p>and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable.</p>
79.96	<p>The cor. of secs. 17, 18, 19 and 20. Land, level. Soil, 3rd rate. No timber. Undergrowth, greasewood, yucca, cacti and cat claw. R. D. A.</p>
40.00	<p>I. W. S. S. <math>89^{\circ} 51'</math> W., on a random line, bet. secs. 18 and 19. Set temp. <math>\frac{1}{4}</math> sec. cor.</p>
79.60	<p>Intersect W. bdy. of Tp., 2 lks. N. of the cor. of secs. 13, 18, 19 and 24, which is an iron post, established by me, as described in Book "A". Thence I run</p>
.60	<p>N. <math>89^{\circ} 50'</math> E., on a true line, bet. secs. 18 and 19. Over level land, through scattering undergrowth.</p>
25.00	<p>Wash, 20 lks. wide, course SW.</p>
39.60	<p>Enter wash, from E.; course SW.</p> <p>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</p> <p>1915 on S. rim; <math>\frac{1}{4}</math>S18 in N. and S19 in S. half;</p> <p>and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, N. of cor. Pits impracticable.</p>
40.00	<p>Leave wash, from NE.; course W.</p>
68.00	<p>Old road, brs. NE. and SW.</p>
79.60	<p>The cor. of secs. 17, 18, 19 and 20. Land, level. Soil, 3rd rate. No timber. Undergrowth, greasewood, cat claw, yucca and cacti.</p>

Subdivision of T. 13 N., R. 15 W. 25.

Chains.

N.0° 3' W., bet. secs. 17 and 18.  
 Over level land, through scattering undergrowth.  
 12.00 Old road, brs. NE. and SW.  
 38.80 Wash, 50 lks. wide, course SW.  
 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;  
 $\frac{1}{4}$ S18 in W. and  
 S17 in E. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor. Pits impracticable.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 7, 8, 17 and 18, marked on  
 brass cap  
 1915 on S. rim;  
 T13N R15W in N. half;  
 S7 in NW.,  
 S8 in NE.,  
 S17 in SE. and  
 S18 in SW. quadrant;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor. Pits impracticable.  
 Land, level.  
 Soil, 4th rate.  
 No timber.  
 Undergrowth, greasewood, cat claw, yucca and cacti.

N.89° 47' E., on a random line, bet. secs. 8 and 17.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.90 Intersect N. and S. line, 2 lks. S. of the cor. of secs.  
 8, 9, 16 and 17.  
 Thence I run  
 S.89° 46' W., on a true line, bet. secs. 8 and 17.  
 Over level land, through scattering undergrowth.  
 7.40 Old road, brs. NE. and SW.  
 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  
 1915 on S. rim;  
 $\frac{1}{4}$ S8 in N. and  
 S17 in S. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor. Pits impracticable.  
 Mar. 3, 1915: At this cor., I set off 6° 59 $\frac{1}{2}$ ' S. on the  
 decl. arc; and at apparent noon, I observe the sun on  
 the meridian; the resulting lat. is 34° 28 $\frac{1}{2}$ ' N.  
 46.90 Wash, 50 lks. wide, course SW.  
 79.90 The cor. of secs. 7, 8, 17 and 18.  
 Land, level.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, cat claw, yucca and cacti.

I. F. S.  
Mar. 3, 1915.

Mar. 4, 1915. R. D. A.  
 At 8 hrs. 5 m., a.m., l.m.t., I set off 34° 28 $\frac{1}{2}$ ' N. on the  
 lat. arc; 6° 39 $\frac{1}{2}$ ' S. on the decl. arc; and determine a  
 meridian with the solar at the cor. of secs. 7, 8, 17  
 and 18.  
 Thence I run  
 S.89° 50' W., on a random line, bet. secs. 7 and 18.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.46 Intersect W. bdy. of Tp., 23 lks. N. of the cor. of secs.  
 secs. 7, 12, 13 and 18, which is an iron post, establish-  
 ed by me, as described in Book "A".

Chains	
	Thence I run N.89° 40' E., on a true line, bet. secs. 7 and 18. Over level land, through scattering undergrowth.
12.00	Road, brs. N. and S, to Castaneta Well.
39.46	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S7 in N. and S18 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
42.50	Wash, 20 lks. wide, course SW.
79.46	The cor. of secs. 7, 8, 17 and 18. Land, level. Soil, 3rd rate. No timber. Undergrowth, greasewood, cat claw, yucca and cacti. Mar. 4, 1915.
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40.00	Mar. 5, 1915. N.0° 3' W., bet. secs. 7 and 8. 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; $\frac{1}{4}$ S7 in W. and S8 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, marked on brass cap 1915 on S. rim; T13N R15W 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. Soil, 3rd rate. No timber. Undergrowth, greasewood, cat claw, yucca and cacti.
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40.00	N.89° 46' E., on a random line, bet. secs. 5 and 8.
80.04	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 2 lks. N. of the cor. of secs. 4, 5, 8 and 9.
40.02	Thence I run S.89° 47' W., on a true line, bet. secs. 5 and 8. 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; $\frac{1}{4}$ 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.
80.04	The cor. of secs. 5, 6, 7 and 8. Land, level. Soil, 3rd rate. No timber. Undergrowth, greasewood, cat claw, yucca and cacti.
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Subdivision of T. 13 N., R. 15 W.

Chains,  
 40.00 S. 89° 40' W., on a random line, bet. secs. 6 and 7.  
 Set temp.  $\frac{1}{2}$  sec. cor.  
 79.50 Intersect W. bdy. of Tp., 26 lks. S. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, established by me, as described in Book "A".  
 Thence I run  
 N. 89° 51' E., on a true line, bet. secs. 6 and 7.  
 Over level land, through scattering undergrowth.  
 39.50 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;  
 $\frac{1}{2}$ S6 in N. and  
 $\frac{1}{2}$ S7 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, W. of cor.  
 45.00 Old road, brs. N. and S. to Gastaneta Well .  
 79.50 The cor. of secs. 5, 6, 7 and 8.  
 Land, level  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, cat claw, yucca and cañti.

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 40.00 N. 0° 3' W., on a random line, bet. secs. 5 and 6.  
 Set temp.  $\frac{1}{2}$  sec. cor.  
 80.02 Intersect N. bdy. of Tp., 16 lks. W. 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° 4' W., on a true line, bet. secs. 5 and 6.  
 Over level land, through scattering undergrowth.  
 40.02 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap  
 1915 on S. rim;  
 $\frac{1}{2}$ S6 in W. and  
 $\frac{1}{2}$ S5 in E. half;  
 dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.  
 80.02 The cor. of secs. 5, 6, 7 and 8.  
 Land, level.  
 Soil, 3rd rate.  
 No timber.  
 Undergrowth, greasewood, cat claw, yucca and cañti.  
 R. D. A.  
 Mar. 5, 1915.

GENERAL DESCRIPTION.

This township is a rolling mesa, except for the E. two tiers of sections, which are rough and mountainous. The soil is rocky on the mountains, and all sandy or sand clay in W. portion. The vegetation consists of greasewood, mesquite, cat claw, iron wood, yucca, cocolillo and many varieties of cactus. There is water all the year round at Bateman Spring, in sec. 12. There is also a mineral claim here, but no settlers.

T. S. ...  
 ...

28

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 \_\_\_\_\_ of the \_\_\_\_\_

Subdivision Lines of

Township 13 North, Range 15 West,

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

executed by Irving W. Stoddard, U. S. Surveyor, & R. D. Armstrong, U. S. Transitman, under 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. Smith*

Surveyor General of Arizona.

I certify that the foregoing transcript of the field notes of the above described surveys in \_\_\_\_\_

Book "D," \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

Surveyor General of Arizona.