

3248

Book "G"

4-679

(Subdivisions)

BOOK 3248

FIELD NOTES

OF THE SURVEY OF PART

of the

SUBDIVISION LINES

of

TOWNSHIP 28 NORTH, RANGE 19 WEST,

and

TOWNSHIP 28 NORTH, RANGE 20 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

E. J. Lange, U. S. Surveyor,

and

So. Frank Walters, U.S. Transitman,

~~In the capacity of U. S. Surveyor~~, under instructions dated Jan. 7, 1915,

issued by the United States Surveyor General to govern surveys included in Group No. 45, which were approved by the Commissioner of the General Land Office, Jan. 26, 1915.

Survey commenced February 1, 1916.

Survey completed March 17, 1916.

Assigned under Assignment instructions dated Nov. 29, 1915 and Dec. 10, 1915.

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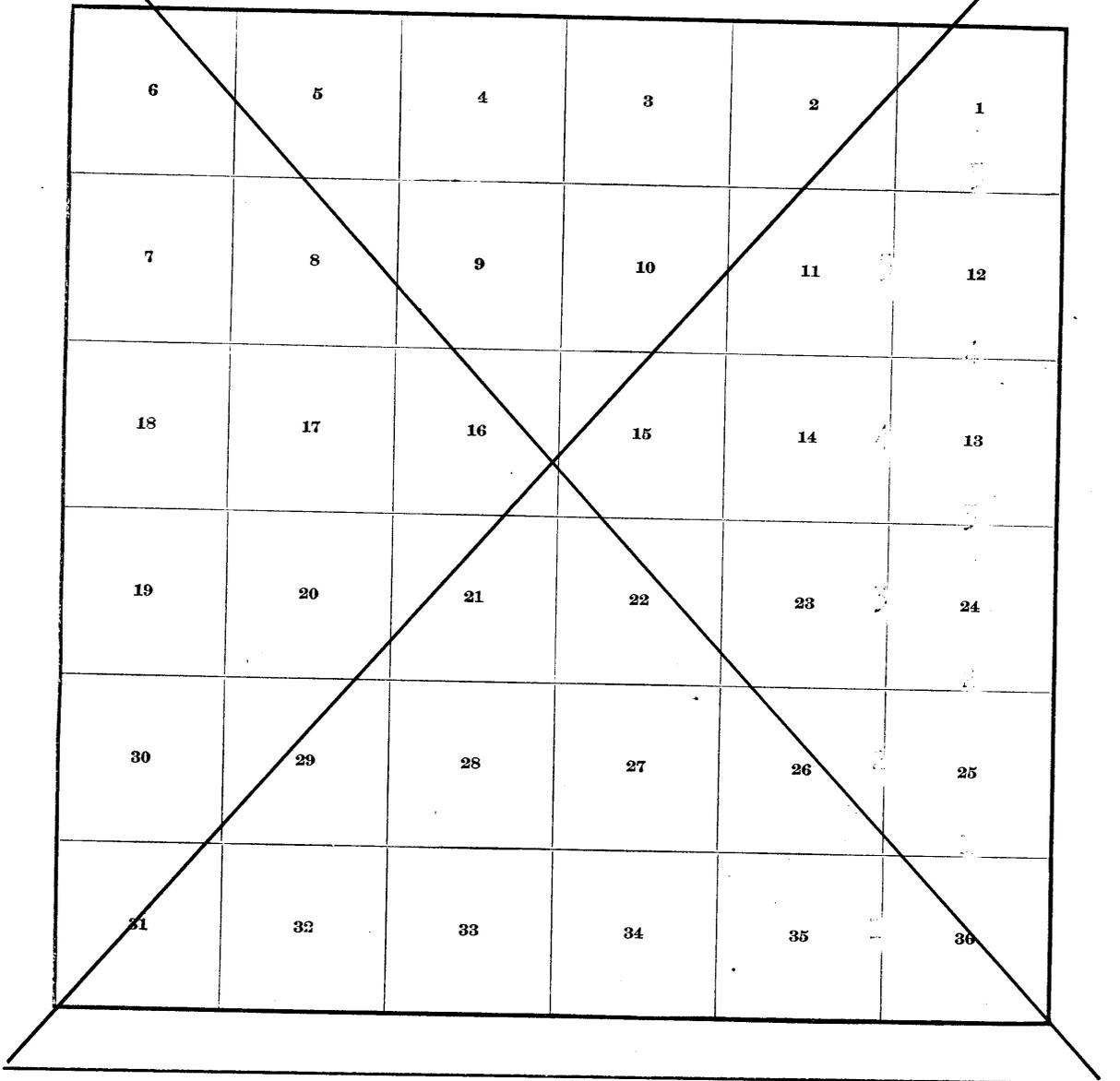
Book "G"

Group 45- - -Arizona.

See Special Index Diagram.

INDEX DIAGRAM.

Township 27 North, 25 West.



BOOK 3248

Book "G"

Group 45 -Arizona.

SPECIAL INDEX DIAGRAM.

	35	36	37	32	33	34	35	36	31	
	7th Standard Parallel North.									
3	2	1	6	33	5 26	4 20	3 14	2 8	1	6
				33	25	20	14	8		
10	11	12	7	32	8 25	9 19	10 13	11 7	12	7
	42	38	32	31	24	18	13	7		
15	42	14 38	13	18 31	17 24	16 18	15 12	14 6	13	18
	T.28N. R.20W.					T.28N.-R.19W.				
	41	37	30	30	23	17	11	6		
22	41	23 37	24	19 29	20 23	21 17	22 11	23 5	24	19
	40	36	29	28	22	16	10	4		
27	40	26 36	25	30 28	29 22	28 16	27 10	26 4	25	30
	39	35	27	27	21	15	10	3		
34	39	35 35	36	31 26	32 21	33 15	34 9	35 3	36	31
3	2	1	6	5	4	3	2	1	6	

 Subdivision lines surveyed under this group.

 Township boundaries surveyed under this group.
Notes in Book "A."

 Standard lines surveyed under this group.
Notes in Book "A."

 Unsurveyed.

Chains.

Survey commenced Feb. 1, 1916, and executed jointly by E. J. Lange, U. S. Surveyor, and S. Frank Walters, U. S. Transitman, with Young and Sons' light mountain transits Nos. 8524 and 8489, respectively, described in Book "A."

In the following field notes, the initials "E. J. L." and "S. F. W." were inserted at the beginning and ending of those portions of the notes describing the surveys executed by E. J. Lange, U. S. Surveyor, and S. Frank Walters, U. S. Transitman, respectively.

Knowing from recent and repeated tests of our instruments on a meridian established by observations on Polaris at elongation, that they are in adjustment, we proceed as follows:

Dates of survey shown on pages 45 & 47 hereof.

S.F.W. Feb. 1, 1916, At 9 hrs. 3 m., a.m., l.m.t., I set off 35° 46' N. on the lat. arc; 17° 18' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., which is an iron post, established by E. J. L., as described in Book "A."

Thence
 N.0° 1' W., bet. secs. 35 and 36.
 Over rolling land, through scattering undergrowth.
 Asc. 175 ft. to
 26.45 Spur, slopes S.70°W. Desc. 165 ft. to
 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
 1916 on S. rim;
 S35 1/4 in W. and
 S36 in E. half;
 and raise a mound of stone, 2ft. base, 1 1/2 ft. high, W. of cor.
 Foot of desc.; thence over level land.
 57.65 Telephone line, brs. NE. to Cyclopic and SW. to Whitehills.
 Pipe line brs. NE. to Cyclopic.
 73.15 Mine shaft brs. W. 3 chs. dist.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap
 1916 on S. rim;
 T28N R19W 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 1/2 ft. high, W. of cor.
 Land, rolling and level.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, yucca, cat claw and cacti.
 Some bunch grass.

40.00 S.89° 57' E., on a random line, bet. secs. 25 and 36.
 80,16 Set temp. 1/4 sec. cor.
 Intersect E. bdy. of Tp., 7 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
 N.89° 54' W., on a true line, bet. secs. 25 and 36.
 Over rolling land, through scattering undergrowth.
 Asc. 15 ft. to
 0.15 Desc. 30 ft. to
 5.65 Asc. 105 ft. to
 11.65 Spur, slopes SE. Desc. 85 ft. to
 19.30 Wash, course SE. Asc. 135 ft.
 40.08 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap
 1916 on S. rim;

4. Partial Subdivision of T. 28 N., R. 19 W.

Chains.	
47.15 62.15 80.16	<p>S25 $\frac{1}{4}$ 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. Cerbat mountain range, brs. NW. and SE. Desc. 335 ft. Telephone line, brs. NE. to Cyclopic, and SW. to Whitehills. Pipe line, brs. NE. to Cyclopic. The cor. of secs. 25, 26, 35 and 36. Land, rolling. Soil, 2nd and 4th rate. No timber. Undergrowth, yucca, cat claw and cacti. Some bunch grass.</p>
0.20 33.10 38.88 40.00 47.25 64.59 74.80 80.00	<p>Feb. 3, 1916: At 8 hrs. 10 m., a.m., l.m.t., I set off 35° 47' N. on the lat. arc; 16° 44' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 25, 26, 35 and 36. Thence N.0° 1' W., bet. secs. 25 and 26. Over rolling land, through scattering undergrowth. Asc. 275 ft. Road, brs. NE. to Cyclopic and SW. to Whitehills. Spur, slopes SW. Desc. 85 ft. to Wash, course SW. Asc. 125 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 1916 on S. rim; S26 $\frac{1}{4}$ 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. Spur, slopes W. Desc. 135 ft. to Road, brs. E. and W. Asc. 160 ft. to Spur, slopes NW. Desc. 85 ft. to 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</p>
40.00 80.28	<p>1916 on S. rim; T28N R19W 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. Land, rolling and mountainous. Soil, 2nd and 4th rate. No timber. Undergrowth, yucca, cat claw and cacti. Some bunch grass.</p> <p>Feb. 2, 1916. S.89° 54' E., on a random line, bet. secs. 24 and 25. Set temp. $\frac{1}{4}$ sec. cor. Intersect E. bdy. of Tp., 5 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, established by me, as described in Book "A". Thence N.89° 56' W., on a true line, bet. secs. 24 and 25.</p>

64. Partial Subdivision of T. 28 N., R. 19 W.

Chains.	
40.00	Set temp. $\frac{1}{4}$ sec. cor;
80.36	Intersect E. bdy. of Tp., at the cor. of secs. 13, 18, 19 and 24, which is an iron post, established by me, as described in Book "A".
	Thence
	N. $89^{\circ} 56'$ W., on a true line, bet. secs. 13 and 24. Over rolling land, through scattering undergrowth.
	Desc. 105 ft. to
21.54	Wash, course N. Road in wash, brs. N. and S. Asc. 115 ft. to
38.75	Spur, slopes NE. Desc. 65 ft. to
40.00	Wash, course NE. Asc. 100 ft.
40.18	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
	1916 on S. rim;
	S13 $\frac{1}{4}$ 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.
49.80	Desc. 50 ft. to
54.75	Asc. 40 ft. to
57.70	Desc. 15 ft. to
59.70	Asc. 30 ft. to
63.70	Desc. 10 ft. to
64.70	Asc. 105 ft. to
80.36	The cor. of secs. 13, 14, 23 and 24. Land, rolling. Soil, 2nd and 4th rate. No timber. Undergrowth, yucca, cat claw and cacti.
	N. $0^{\circ} 1'$ W., bet. secs. 13 and 14. Over mountainous land, through scattering undergrowth.
	Desc. 110 ft. to
7.82	Wash, course NE. Asc. 55 ft. to
10.40	Spur, slopes SE. Desc. 80 ft. to
22.61	Wash, course NE. Asc. 135 ft. to
40.00	Spur, slopes SE. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
	1916 on S. rim;
	S14 $\frac{1}{4}$ in W. and
	S13 in E. half;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Desc. 70 ft. to
43.86	Wash, course NE. Asc. 55 ft. to
57.30	Desc. 45 ft. to
59.70	Asc. 50 ft. to
64.65	Desc. 80 ft. to
69.50	Asc. 75 ft. to
80.00	Spur, slopes NE. 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
	1916 on S. rim;
	T28N R19W 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.
	Land, mountainous. Soil, rocky; 2nd and 4th rate. No timber. Undergrowth, yucca, cat claw and cacti.

Partial Subdivision of T. 28 N., R. 19 W.

Chains.

Some bunch grass.

40.00 S.89° 56' E., on a random line, bet. secs. 12 and 13.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.29 Intersect E. bdy. of Tp., 5 lks. S. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, established by me, as described in Book "A."
 Thence,
 N.89° 58' WQ, on a true line, bet. secs. 12 and 13.
 Over mountainous land, through scattering undergrowth.
 Desc. to
 0.56 Wash, course NW. Asc. 130 ft. to
 8.80 Spur, slopes N. Desc. 175 ft. to
 20.50 Asc. 20 ft. to
 21.95 Desc. 95 ft.
 24.10 Road, brs. N. and S.
 32.40 Wash, course N. Asc. 185 ft.
 40.14 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, 16 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1916 on S. rim;
 S12 $\frac{1}{4}$ in N. and
 S13 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 49.69 Spur, slopes NW. Desc. 100 ft. to
 55.95 Asc, 110 ft. to
 63.75 Desc. 120 ft. to
 73.80 Asc. 100 ft. to
 80.29 The cor. of secs. 11, 12, 13 and 14.
 Land, mountainous.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, greasewood, yucca, cat claw and cacti.

Mar. 9, 1916: At 7 hrs. 58 m., a.m., l.m.t., I set off
 ' 35° 49 $\frac{1}{2}$ ' N. on the lat. arc; 4° 25 $\frac{1}{2}$ ' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 11, 12,13 and 14.
 Thence
 N.0° 1' W., bet. secs. 11 and 12.
 Over rolling land, through scattering undergrowth.
 Desc. 120 ft. to
 15.25 Asc. 20ft. to
 20.25 Desc. 80 ft.
 28.55 Road, brs. NE. to Lost Basin and SW. to Whitehills.
 32.20 Wash, course NE. Asc. 35 ft. to
 36.10 Desc. 40 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
 1916 on S. rim;
 S11 $\frac{1}{4}$ in.W. and
 S12 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Asc. to
 41.45 Desc. 90 ft. to
 53.30 Gulch, course NE. Asc. 65 ft. to
 62.70 Spur, slopes NE. Desc. 90 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, 20 ins. in a mound of stone, for cor. of secs. 1, 2, 11 and 12, marked on brass cap
 1916 on S. rim;
 T28N R19W in N. half;

8. Partial Subdivision of T. 28 N., R. 19 W.

Chains.

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.
 Land, rolling.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, yucca, cat claw, and cacti.

Mar. 9, 1916.

Mar. 10, 1916: At 8 hrs. 54 m., a.m., ol.m.t., I set off
 35° 50½' N. on the lat. arc; 4° 1½' S. on the decl. arc;
 and determine a meridian with the solar at the cor. of
 secs. 1, 2, 11 and 12.

Thence,
 S.89° 58' E., on a random line, bet. secs. 1 and 12.

40.00
80.42

Set temp. ¼ sec. cor.
 Intersect E. bdy. of Tp., 2 lks. N. of the cor. of secs.
 1, 6, 7 and 12, which is an iron post, established by
 me. as described in Book "A."

Thence,
 N.89° 57' W., on a true line, bet. secs. 1 and 12.
 Over mountainous land, through scattering undergrowth.

18.00
22.75
40.21

Desc. 275 ft. to
 Wash, course N. Asc. 105 ft. to
 Spur, slopes N. Desc. 150 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap
 1916 on S. rim;
 S1 ¼ in N. and
 S12 in S. half;

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

43.90

Wash, course N. Road in wash, brs. N. and S. Asc. 170 ft.
 to

64.20
71.60
80.42

Spur, slopes N. Desc. 165 ft. to
 Wash, course N. Asc. 120 ft. to
 The cor. of secs. 1, 2, 11 and 12.

Land, mountainous.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, yucca, cat claw and cacti.
 Some bunch grass.

N.0° 1' W., on a true line, bet. secs. 1 and 2.
 Over rolling and mountainous land, through scattering
 undergrowth,

8.00
18.64
22.60
34.45
40.00

Asc. 15 ft. to
 Spur, slopes NE. Desc. 180 ft. to
 Wash, course NE. Asc. 95 ft. to
 Spur, slopes E. Desc. 115 ft. to
 Asc. 40 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap
 1916 on S. rim;
 S2 ¼ in W. and
 S1 in E. half;

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

45.00
48.84
56.89

Spur, slopes NE. Desc. 70 ft. to
 Wash, course N. Comes from SW.
 Leave wash, course NE. Asc. 15 ft. to

Chains.	
61.00 71.85 80.39	<p>Spur, slopes E. Desc. 40 ft. to Wash, course NE. Asc. 35 ft. to Intersect Seventh Standard Parallel North, 3.45 chs. W. of the standard $\frac{1}{4}$ sec. cor. of sec. 36, which is an iron post, described in Book "A."</p> <p>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. 1 and 2, marked on brass cap 1916 on S. rim; CC S. of center; T29N R19W S36 in N. half; S1 R19W in SE. and S2 T28N in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.</p> <p>Land, rolling and mountainous. Soil, 2nd and 4th rate. No timber. Undergrowth, yucca, cat claw, cacti. Some bunch grass.</p>
4.91 6.91 10.91 14.00 40.00 40.15	<p>Sec. 2, 1916: From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., which is an iron post, established by E. J. L., described in Book "A," N.0° 1' W., bet. secs. 34 and 35. Over rolling land, through scattering undergrowth. Desc. 65 ft. to</p> <p>Road, brs. E. and W. Asc. 85 ft.</p> <p>Telephone line, brs. E. to Cyclopic and W. to Whitehills. From this point, Cyclopic Pumping Plant brs. E. 4 chs. dist.</p> <p>Road, brs. NW. to Cyclopic, and SE. to pumping plant and Whitehills.</p> <p>Thence over rolling land.</p> <p>Point for $\frac{1}{4}$ sec. cor. falls in road, brs. NE. to Cyclopic and SW. to pumping plant and Whitehills.</p> <p>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 1916 on S. rim; WC in S. half; S34 $\frac{1}{4}$ in W. and S35 in E. half;</p> <p>and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p>
50.00 77.00 80.00	<p>Asc. 40 ft. to Spur, slopes E. Desc. 20 ft. to 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 1916 on S. rim; T28N R19W 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, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Land, rolling. Soil, 2nd and 4th rate. No timber. Undergrowth, yucca, cat claw and cacti. Some bunch grass.</p>

10.

Partial Subdivision of T. 28 N., R. 19 W.

Chains.	S.89° 57' E., on a random line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 25, 26, 35 and 36.
	Thence
	N.89° 54' W., on a true line, bet. secs. 26 and 35.
	Over level land, through scattering undergrowth.
0.21	Road, brs. NE. to Cyclopic, and SW. to pumping plant and Whitehills.
39.98	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 1916 on S. rim; S26 $\frac{1}{4}$ in N. and S35 in S. half;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
40.45	Road, brs. N. and S.
79.96	The cor. of secs. 26, 27, 34 and 35, Land, level. Soil, 2nd and 4th rate. No timber. Undergrowth, greasewood, cat claw, yucca and cacti. Some bunch grass.
	N.0° 1' W., bet. secs. 26 and 27.
	Over level land, through scattering undergrowth.
8.00	Wash, 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 1916 on S. rim; S27 $\frac{1}{4}$ 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 stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
60.19	Road, brs. NW. to LostBasin, and SE. Asc. 80 ft. to
71.00	Spur, slopes SW. Desc. N. slope 65 ft. to
75.29	Wash, course W. Asc. 65 ft. to
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 1916 on S. rim; T28N R19W 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.
	Land, rolling and level. Soil, 2nd and 4th rate. No timber. Undergrowth, greasewood, yucca and cacti. Some bunch grass.
	S.89° 54' E., on a random line, bet. secs. 23 and 26.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 23, 24, 25 and 26.
	Thence
	N.89° 52' W., on a true line, bet. secs. 23 and 26.

Partial Subdivision of T. 28 N., R. 19 W.

Chains.

Over rolling land, through scattering undergrowth.
 Desc. 45 ft. to
 5.00 Asc. 25 ft. to
 10.00 Desc. 110 ft. to
 24.80 Asc. 30 ft. to
 27.80 Desc. 65 ft. to
 35.00 Asc. 30 ft. to
 39.97 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
 1916 on S. rim;
 S23 $\frac{1}{4}$ 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.
 Desc. 55 ft. to
 45.91 Wash, course SE. Asc. 30 ft. to
 58.40 Spur, slopes SW. Desc. 120 ft. to
 73.73 Wash, course SW. Asc. 30 ft. to
 79.94 The cor. of secs. 22, 23, 26 and 27.
 Land, rolling.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, greasewood, yucca, cat claw and cacti.
 Feb. 4, 1916.

Feb. 4, 1916.
 N.0° 1' W., bet. secs. 22 and 23.
 Over rolling land, through scattering undergrowth.
 Asc. 70 ft. to
 8.00 Desc. 30 ft. to
 15.00 Asc. 125 ft. to
 29.70 Spur, slopes SW. Desc. N. slope, 140 ft. to
 40.00 Shallow wash, course NW. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap
 1916 on S. rim;
 S22 $\frac{1}{4}$ 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.
 Asc. 45 ft. to
 53.00 Spur, slopes N.70° W. Desc. N. slope, 135 ft. 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
 1916 on S. rim;
 T28N R19W 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, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, yucca, cat claw and cacti.
 Feb. 4, 1916.

Feb. 7, 1916.
 S.89° 52' E., on a random line, bet. secs. 14 and 23.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.89 Intersect N. and S. line, 16 lks. N. of the cor. of secs. 13, 14, 23 and 24.
 Thence
 N.89° 45' W., on a true line, bet. secs. 14 and 23.
 Over rolling land, through scattering undergrowth.
 Desc. 80 ft. to
 7.85 Wash, course NE. Asc. 130 ft. to
 13.60 Desc. to
 14.60 Asc. 65 ft. to
 22.40 Desc. 80 ft. to

12. Partial Subdivision of T. 28 N., R. 19 W.

Chains.

39.94 $\frac{1}{2}$ 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
 1916 on S. rim;
 S14 $\frac{1}{4}$ 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.
 Asc. 60 ft. to
 53.40 Cerbat mountain range, brs. NE. and SW. Desc. 115 ft. to
 73.75 Wash, course NW. Asc. 35 ft. to
 79.89 The cor. of secs. 14, 15, 22 and 23.
 Land, rolling.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, cat claw, yucca and cacti.

Feb. 8, 1916: At 8 hrs. 4 m., a.m., l.m.t., I set off
 35° 48 $\frac{1}{2}$ ' N. on the lat. arc; 15° 13 $\frac{1}{2}$ ' S on the decl.
 arc; and determine a meridian with the solar at the cor.
 of secs. 14, 15, 22 and 23.

Thence
 N.0° 1' W., bet. secs. 14 and 15.
 Over rolling land, through scattering undergrowth.

Desc. 50 ft. to
 2.33 Wash, course NW. Asc. 170 ft. to
 19.60 Desc. 135 ft. to
 29.40 Asc. 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
 1916 on S. rim;
 S15 $\frac{1}{4}$ in W. and
 S14 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

From this cor., I run to U. S. M. M. No. 3025 as follows:
 N.47° 37' E. 15.13 chs.
 At 5.45 chs. on this course, Road brs. E. and S.70° W.
 At 11.40 chs. on this course, road brs. N.40° E. and S.30° W.

Thence N.41° 56' E.
 At 1.90 chs. on this course, Road brs. N.55° E. and S.60° W.

At 7.14 chs., U. S. M. M. No. 3025. This monument is a rock in place, 36 X 18 X 18 ins. above ground, marked cross (X) and U. S. M M No 3025; witnessed by a mound of stone, 6 ft. base, 5 ft. high, SE. of monument.

From the $\frac{1}{4}$ sec. cor., I continue measurement.

N.0° 1' W., bet. secs. 14 and 15.

Desc. 15 ft. to
 41.73 Road, brs. NE. to Lost Basin, and SW. to Whitehills. Asc.
 50 ft. to

65.00 Cerbat mountain range, brs. N.30° W. and S.30° E. Desc.
 70 ft. 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

1916 on S. rim;
 T28N R19W in N. half;
 S10 in NW.,
 S11 in NE.,
 S14 in SE. and
 S15 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 stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.

Land, rolling.
 Soil, 2nd and 4th rate.
 No timber.

Chains.	Undergrowth, yucca, cat claw and cacti.
40.00	S. 89° 45' E., on a random line, bet. secs. 11 and 14. Set temp. $\frac{1}{4}$ sec. cor.
79.91	Intersect N. and S. line, 19 lks. S. of the cor. of secs. 11, 12, 13 and 14. Thence N. 89° 53' W., on a true line, bet. secs. 11 and 14. Over rolling land, through scattering undergrowth. Desc. 30 ft. to
5.45	Asc. slightly to
6.45	Desc. 55 ft. to
15.40	Asc. 95 ft. to
21.20	Desc. 45 ft. to
30.15	Asc. 85 ft. to
34.90	Desc. 130 ft.
39.95 $\frac{1}{2}$	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 1916 on S. rim; S11 $\frac{1}{4}$ 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.
51.00	Wash, course NE. Road in wash, brs. NE. to Lost Basin, and SW. to Whitehills. Thence over level land.
71.95	Road, brs. NW. and SE. Asc. 25 ft. to
76.90	Desc. 25 ft. to
79.91	The cor. of secs. 10, 11, 14 and 15. Land, level and rolling. Soil, 2nd and 4th rate. No timber. Undergrowth, yucca, cat claw and cacti.
40.00	N. 0° 1' W, bet. secs. 10 and 11. Over rolling land, through scattering undergrowth. Desc. gradual slope to Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; S10 $\frac{1}{4}$ in W. and S11 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.
43.30	Road, brs. N. and SE., in wash, course N. Wash comes from SE.
62.00	Leave wash, course NE., and wagon road, brs. NW. and S. Asc. 35 ft. to
75.00	Spur, slopes NE. Desc. to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked on brass cap 1916 on S. rim; T28N R19W in N. half; S3 in NW., S2 in NE., S11 in SE. and S10 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, 2nd and 4th rate. No timber. Undergrowth, greasewood, yucca, cat claw and cacti.

14. Partial Subdivision of T. 28 N., R. 19 W.

Chains.

S. $80^{\circ} 53'$ E., on a random line, bet. secs. 2 and 11.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. and S. line, 11 lks. N. of the cor. of secs.
 1, 2, 11 and 12.
 Thence
 N. $89^{\circ} 48'$ W., on a true line, bet. secs. 2 and 11.
 Over mountainous land, through scattering undergrowth.
 Asc. 20 ft. to
 2.40 Spur, slopes NE. Desc. 60 ft. to
 5.25 Asc. 45 ft. to
 12.20 Desc. 30 ft. to
 17.10 Wash, course NE. Asc. 180 ft. to
 29.00 Desc. 40 ft. to
 34.80 Asc. 35 ft.
 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
 1916 on S. rim;
 S2 $\frac{1}{4}$ 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.

42.40 Spur, slopes NE. Desc. 100 ft. to
 47.55 Gulch, course NW. Asc. 70 ft. to
 50.40 Spur, slopes NE. Desc. 105 ft. to
 55.70 Wash, course N. Asc. 50 ft. to
 58.50 Spur, brs. NE. Desc. to
 59.55 Wash, course NE. Asc. 100 ft. to
 74.90 Spur, brs. NE. Desc. 25 ft. to
 79.90 The cor. of secs. 2, 3, 10 and 11.

Land, mountainous.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, greasewood, yucca, cat claw and cacti.

S. F. W.

13.80 Wash, course N. 20° E. Asc. 30 ft. to
 18.80 Spur, slopes NE. Desc. 105 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1916 on S. rim;
 S3 $\frac{1}{4}$ in W. and
 S2 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.

Asc. 25 ft. to
 73.40 Desc. 55 ft. to
 63.40 Wash, course E. Asc. 115 ft. to
 73.20 Spur, slopes N. 80° E. Desc. NE. slope, 30 ft. to
 77.80 Gulch, course E. Asc. 40 ft. to
 80.27 Intersect Seventh Standard Parallel North, 3.60 chs. W. of
 the standard $\frac{1}{4}$ sec. cor. of sec. 35, which is an iron
 post, 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. 2, and 3, marked on brass cap
 1916 on S. rim;
 CC S. of center;
 T29N R19W S35 in N. half;

Chains.

S2 R19W in SE. and
 S3 T28N in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 S. of cor.
 Land, rolling.
 Soil, sandy; 2nd rate.
 No timber.
 Undergrowth, yucca, cat claw, rabbit brush and cacti.
 E. J. L.

Feb. 4, 1916: S. R. W.
 At 8 hrs. 5 m., a.m., l.m.t., I set off 35° 46' N. on the
 lat. arc; 16° 26½' S. on the decl. arc; and determine
 a meridian with the solar at the cor. of secs. 3, 4, 33
 and 34, on the S. bdy. of the Tp., which is an iron
 post, established by E. J. L., as described in book
 "A."

Thence
 N. 0° 2' W., bet. secs. 33 and 34.
 Over rolling and mountainous land, through scattering under-
 growth.

21.80 Asc. 175 ft. to
 24.80 Desc. 20 ft. to
 33.50 Asc. 135 ft. to
 40.00 Spur, slopes SW. Desc. 165 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap
 1916 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.

44.65 Asc. 55 ft. to
 59.60 Desc. 85 ft. to
 63.50 Wash, course SW. Asc. 40 ft. to
 71.45 Desc. 20 ft. to
 74.45 Asc. 60 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 27, 28, 33 and 34, marked on
 brass cap

1916 on S. rim;
 T28N R19W 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.

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

40.00 S. 89° 57' E., on a random line. bet. secs. 27 and 34.
 79.93 Set temp. ¼ sec. cor.
 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
 26, 27, 34 and 35.

Thence,
 N. 89° 54' W., on a true line, bet. secs. 27 and 34.
 Over rolling land, through scattering undergrowth.

4.95 Asc. 30 ft. to
 25.10 Spur, slopes N. Desc. 75 ft. to
 29.95 Asc. 55 ft. to
 39.90 Desc. 45 ft. to
 Gulch, course N. Asc. 70 ft.

16.

Partial Subdivision of T. 28 N., R. 19 W.

Chains.	
39.96 $\frac{1}{2}$	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 1916 on S. rim; S27 $\frac{1}{4}$ 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.
48.45	Spur, brs. NW. Desc. 170 ft. to
64.05	Wash, course S. Asc. 75 ft. to
68.45	Spur, slopes SW. Desc. 50 ft. to
79.93	The cor. of secs. 27, 28, 33 and 34. Land, rolling. Soil, 3rd and 4th rate. No timber. Undergrowth, yucca, greasewood, cat claw and cacti. Some bunch grass.
3.0	N.0° 2' W., bet. secs. 27 and 28. Over rolling land, throughscattering undergrowth. Asc. 45 ft. to Desc. 70 ft. to
14.80	Asc. 55 ft. to
19.75	Desc. 60 ft. to
29.65	Asc. 35 ft. to
35.00	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 1916 on S. rim; S28 $\frac{1}{4}$ 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, 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. 21, 22, 27 and 28, marked on brass cap 1916 on S. rim; T28N R19W 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., 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 4th rate. No timber. Undergrowth, yucca, greasewood, cat claw and cacti.
40.00	S.89° 54' E., on a random line, bet. secs. 22 and 27. Set temp. $\frac{1}{2}$ sec. cor.
79.92	Intersect the corner of secs. 22, 23, 26 and 27. Thence, N.89° 54' W., on a true line, bet. secs. 22 and 27. Over rolling land, through scattering undergrowth. Along N. slope to
0.90	Spur, slopes NW. Desc. 165 ft.

Partial Subdivision of T. 28 N., R. 19 W.

Chains.

18.45 Road, brs. NW. to Lost Basin, and SE. to Cyclopic Pumping Plant and Whitehills.

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
 1916 on S. rim;
 S22 $\frac{1}{4}$ 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, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

79.92 Desc. 115 ft. to
 The cor. of secs. 21, 22, 27 and 28.
 Land, rolling.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, yucca, cat claw and greasewood.

N.0° 2' W., bet. secs. 21 and 22.
 Over level land, through scattering undergrowth.

16.00 Wash, course W. Asc. 55 ft. to

20.90 Desc. 30 ft. to

24.90 Asc. 35 ft. to

30.00 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
 1916 on S. rim;
 S21 $\frac{1}{4}$ in W. and
 S22 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.

55.00 Road, brs. NW. to Lost Basin, and SE. to Cyclopic Pumping Plant and Whitehills.

66.60 Same road, brs. NE. and SW.

68.60 Same road, brs. NW. and SE.

74.80 Same road, brs. NE. and SW.

76.50 Wash, course SW.

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
 1916 on S. rim;
 T28N R19W 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.

Land, rolling.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, yucca, greasewood, cat claw and cacti.
 Some bunch grass.

40.00 S.89° 54' E., on a random line, bet. secs. 15 and 22.
 Set temp. $\frac{1}{4}$ sec. cor.

79.94 Intersect the corner of secs. 14, 15, 22 and 23.

Thence,
 N.89° 54' W., on a true line, bet. secs. 15 and 22.

18. Partial Subdivision of T. 28 N., R. 19 W.

Chains.

Over rolling land, through scattering undergrowth.
 Desc. 255 ft.
 21.95 Enter wash, course W. Comes from NE. Continue desc. in wash.
 39.97 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
 1916 on S. rim;
 S15 $\frac{1}{4}$ in N. and
 S22 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.
 69.65 Confluence of washes, course SW. Come from E. and NE. Road in wash, brs. NE. to Lost Basin, and SW. to White-hills.
 79.94 The cor. of secs. 15, 16, 21 and 22.
 Land, rolling.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, yucca, greasewood, cat claw and cacti.

N.0° 2' W., bet. secs. 15 and 16.
 Over rolling and mountainous land, through scattering undergrowth.
 Asc. 60 ft. to
 5.60 Desc. 65 ft. to
 10.60 Asc. 75 ft. to
 15.45 Spur, brs. NW. Desc. 95 ft. to
 23.80 Wash, course NW. Asc. 100 ft. to
 37.95 Spur, brs. W. Desc. 120 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
 1916 on S. rim;
 S16 $\frac{1}{4}$ 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.
 45.10 Wash, course NW. Asc. 130 ft. to
 69.25 Spur, brs. SE. Desc. 140 ft. to
 78.05 Wash, course NW. Asc. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 15, 16, 9 and 10, marked on brass cap
 1916 on S. rim;
 T28N R19W 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.
 Land, rolling and mountainous.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, yucca, cat claw and cacti.

S.89° 54' E., on a random line, bet. secs. 10 and 15.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.08 Intersect the corner of secs. 10, 11, 14 and 15.

Chains.

Thence
 N.89° 54' W., on a true line, bet.secs. 10 and 15.
 Over mountainous land, through scattering undergrowth.
 Asc. 55 ft. to
 7.45 Desc. 20 ft. to
 9.95 Asc. 180 ft. to
 23.10 Cerbat Mountain Range, brs. NW. and SE. Desc. 405 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
 1916 on S. rim;
 S10 $\frac{1}{4}$ 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.

80.08 Continue desc. to
 The cor. of secs. 9, 10, 15 and 16.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, yucca, cat claw and cacti.

S. F. W.

Mar. 11, 1916: E. J. L.
 At 7 hrs. 53 m., a.m., l.m.t., I set off 35° 49 $\frac{1}{2}$ ' N. on the
 lat. arc; 3° 38 $\frac{1}{2}$ ' S. on the decl. arc; and determine a
 meridian with the solar at the cor. of secs. 9, 10, 15
 and 16.

Thence
 N.0° 2' W., bet. secs. 9 and 10.
 Over rolling land, through scattering undergrowth.
 Desc. to
 2.20 Wash, course W. Asc. to
 16.30 Spur, slopes W. Desc. to
 25.80 Wash, course W. Asc. 50 ft. to
 30.50 Spur, slopes W. Desc. to
 35.00 Asc. 115 ft. t
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
 on brass cap
 1916 on S. rim;
 S9 $\frac{1}{4}$ in W. and
 S10 and E. half;

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

41.60 Spur, slopes SW. Desc. 30 ft. to
 46.60 Asc. 155 ft. to
 60.42 Cerbat Mountain Range, brs. NW. and SE. Desc. 100 ft. to
 68.00 Draw, course E. Asc. SE. slope, 30 ft. to
 73.20 Spur, slopes S.70° E. Desc. to
 75.70 Asc. to
 78.20 Spur, slopes S.70° E. Desc. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the
 ground, for cor. of secs. 3, 4, 9 and 10 $\frac{1}{2}$ marked on
 brass cap
 1916 on S. rim;
 T27 $\frac{1}{2}$ R19W in H. 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.
 Land, rolling.

Chains.

Soil, sandy and gravelly; 2nd and 3rd rate.
No timber.
Undergrowth, yucca, cat claw, greasewood and cacti.

40.00 S. $89^{\circ} 54'$ E., on a random line, bet. secs. 3 and 10.
Set temp. $\frac{1}{4}$ sec. cor.
79.90 Intersect N. and S. line, 21 lks. S. of the cor. of secs.
2, 3, 10 and 11.
Thence,
S. $89^{\circ} 57'$ W., on a true line, bet. secs. 3 and 10.
Over rolling land, through scattering undergrowth.
Desc. to
3.80 Wash, course N. 20° E. Asc. to
11.30 Spur, slopes N. Desc. to
21.00 Wash, course N. Asc. 40 ft, to
34.90 Spur, slopes N. Desc. 105 ft.
39.35 Road, brs. N. 30° W., and S. 30° E.
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
1916 on S. rim;
S $3\frac{1}{4}$ 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.
55.30 Wash, course N. 30° E. Asc. to
60.90 Spur, slopes N. Desc. to
67.10 Asc. 140 ft. to
79.90 The cor. of secs. 3, 4, 9 and 10.
Land, rolling.
Soil, sandy; 2nd rate.
No timber.
Undergrowth, yucca, rabbit brush, cat claw and cacti.

E.J.L.S.

Mar. 17, 1916: S. F. W.

At 8 hrs. 5 m., a.m., l.m.t., I set off $35^{\circ} 50\frac{1}{2}'$ N. on
the lat. arc; $1^{\circ} 17'$ S. on the decl. arc; and deter-
mine a meridian with the solar at the cor. of secs.
3, 4, 9 and 10.

Thence,

N. $0^{\circ} 2'$ W., on a true line, bet. secs. 3 and 4.
Over rolling land, through scattering undergrowth.
Desc. 155 ft. to
19.70 Asc. 20 ft. to
24.70 Desc. 210 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
1916 on S. rim;
S4 $\frac{1}{4}$ in W. and
S3 in E. half;

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

56.95 Wash, course N. 70° W. Asc. 245 ft. to
80.27 Intersect Seventh Standard Parallel North, 3.20 chs. W. of
the standard $\frac{1}{4}$ sec. cor. of sec. 34, which is an iron
post, 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. 3 and 4, marked on brass cap
1916 on S. rim;
CC S. of center;

Chains.

T29N R19W S34 in N. half;
 S3 R19W in SE. and
 S4 T28N in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 S. of cor.
 Land, rolling.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, greasewood, yucca, cat claw and cacti.

Feb. 5, 1916: At 7 hrs. 57 m., a.m., l.m.t., I set off
 35° 46' N. on the lat. arc; 16° 9' S. 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 E. J. L., as described
 in Book "A."

Thence,
 N.0° 3' W., bet. secs. 32 and 33.
 Over level land, through scattering undergrowth.
 Wash, course W.
 6.00
 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
 1916 on S. rim;
 S32 ¼ in W. and
 S33 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.

46.10 Road, brs. NE. to Lost Basin, and SW. to Whitehills.
 53.00 Wash, course W.
 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

1916 on S. rim;
 T28N R19W in N. half;
 S29 in NW.,
 S28 in NE.,
 S33 in SE. and
 S32 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.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, yucca, greasewood, cat claw and cacti.
 Some bunch grass.

40.00 S.89° 57' E., on a random line, bet. secs. 28 and 33.
 79.98 Set temp. 1 sec. cor.
 Intersect N. and S. line, 5 lks. S. of the cor. of secs.
 27, 28, 33 and 34.

Thence,
 N.89° 59' W., on a true line, bet. secs. 28 and 33.
 Over rolling land, through scattering undergrowth.
 Desc. 30 ft. to
 5.45 Asc. 60 ft. to
 8.30 Desc. 240 ft. to

29.70 Wash, course NW. Asc. 35 ft. to
 34.00 Spur, brs. NW. Desc. 55 ft.
 39.99 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap
 1916 on S. rim;
 S28 ¼ in N. and

22.

Partial Subdivision of T. 28 N., R. 19 W.

Chains.

	<p>S33 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p> <p>40.20 Wash, course N. Asc. 40 ft. to 45.20 Spur, slopes N. Desc. 105 ft. to 52.10 Wash, course SW. Asc. 35 ft. to 55.00 Spur, slopes SW. Desc. 55 ft. 67.00 Road, brs. NE. to Lost Basin and SW. to Whitehills. 79.98 The cor. of secs. 28, 29, 32 and 33. Land, rolling. Soil, 2nd and 4th rate. No timber. Undergrowth, yucca, greasewood, cat claw and cacti. Some bunch grass.</p>
40.00	<p>N.0° 3' W., bet. secs. 28 and 29. 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 1916 on S. rim; S29 $\frac{1}{4}$ in W. and S28 in E. half;</p> <p>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.</p> <p>54.80 Road, brs. NE. to Lost Basin and SW. to Whitehills. 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, marked on brass cap 1916 on S. rim; T28N R19W in N. half; S20 in NW., S21 in NE., S28 in SE. and S29 in SW. quadrant;</p> <p>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.</p> <p>Land, level. Soil, 2nd and 4th rate. No timber. Undergrowth, yucca, greasewood, cat claw and cacti. Some bunch grass.</p>
40.00	<p>S.89° 59' E., on a random line, bet. secs. 21 and 28. Set temp. $\frac{1}{4}$ sec. cor.</p>
79.99	<p>Intersect N. and S. line, 9 lks. N. of the cor. of secs. 21, 22, 27 and 28. Thence</p>
39.99 $\frac{1}{2}$	<p>N.89° 55' W., on a true line, bet. secs. 21 and 28. 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 1916 on S. rim; S21$\frac{1}{4}$ in N. and S28 in S. half;</p> <p>dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.</p>

Partial Subdivision of T. 28 N., R. 19 W.

Chains.

54.70 high, N. of cor.
 Road, brs. N. to Lost Basin and S. to Whitehills.
 79.99 The cor. of secs. 20, 21, 28 and 29.
 Land, level.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, yucca, greasewood, cat claw and cacti.

Feb. 6, 1916: At 8 hrs. 0 m., a.m., l.m.t., I set off
 35° 47½' N. on the lat. arc; 15° 50½' S. on the decl.
 arc; and determine a meridian with the solar at the
 cor. of secs. 20, 21, 28 and 29.
 Thence,
 N.0° 3' W., bet. secs. 20 and 21.
 Over rolling land, through scattering undergrowth.
 26.98 Wash, course W. Asc. 120 ft. to
 36.00 Spur, slopes SW. Desc. 55 ft.
 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
 1916 on S. rim;
 S20 ¼ in W. and
 S21 in E. half;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.
 48.73 Wash, course SW. Asc. 85 ft. to
 62.25 Desc. 35 ft. to
 64.70 Asc. 45 ft. to
 68.80 Spur, slopes SW. Desc. 65 ft. to
 72.72 Wash, course W. Asc. 25 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 16, 17, 20 and 21, marked on
 brass cap
 1916 on S. rim;
 T28N R19W in N. half;
 S17 in NW.,
 S18 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.
 Land, rolling.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, greasewood, yucca, cat claw and cacti.

40.00 S.89° 55' E., on a random line, bet. secs. 16 and 21.
 Set temp. ¼ sec. cor.
 79.99 Intersect N. and S. line, 5 lks. N. of the cor. of secs.
 15, 16, 21 and 22.
 Thence,
 N.89° 53' W., on a true line, bet. secs. 16 and 21.
 Over rolling land, through scattering undergrowth.
 26.00 Road, brs. NE. and SW.
 39.99½ Set an iron post, 3 ft. long, 1 in diam., 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap
 1916 on S. rim;
 S16 ¼ in N. and
 S21 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, 3½ ft. base, 1½ ft.
 high, N. of cor.

24.

Partial Subdivision of T. 28 N., R.19 W.

Chains.

79.99

The cor. of secs. 16, 17, 20 and 21.
Land, level and rolling.
Soil, 2nd and 4th rate.
No timber.
Undergrowth, yucca, cat claw, greasewood and cacti.
Some bunch grass.

S. F. W.

5.80

E. J. L.
N.0° 3' W., bet. secs. 16 and 17.
Over rolling land, through scattering undergrowth.
Asc. 75 ft. to

11.80

Spur, slopes SE. Desc. 75 ft. to
Wash, course N.70° W. Thence along gradually rolling W.
slope.

37.70

Wash, course N.70° W.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1916 on S. rim;
S17 $\frac{1}{4}$ 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.

70.00

Wash, course S.70° W.

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

1916 on S. rim;
T28N R19W 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.

Land, rolling.

Soil, 2nd rate.

No timber.

Undergrowth, rabbit brush, cat claw, yucca and cacti.

40 00

S.89° 53' E., on a random line, bet. secs. 9 and 16.

80.00

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

Intersect N. and S. line, 14 lks. S. of the cor. of secs.
9, 10, 15 and 16.

Thence

N.89° 59' W., on a true line, bet. secs. 9 and 16.

Over rolling land, through scattering undergrowth.

Desc. to

1.70

Wash, course N.70° W. Asc. 40 ft. to

12.90

Desc. 50 ft. to

16.40

Draw, course N. Asc. 55 ft. to

25.55

Spur, slopes NW. Desc. 160 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

1916 on S. rim;
S9 $\frac{1}{4}$ in N. and
S16 in S. half;

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

43.50

Asc. 25 ft. to

55.40

Spur, slopes SW. Desc. 65 ft. to

Chains.
 61.80 Draw, course SW.
 73.20 Wash, course SW.
 80.00 The cor. of secs. 8, 9, 16 and 17.
 Land, rolling.
 Soil, 2nd rate.
 No timber.
 Undergrowth, yucca, cat claw, rabbit brush and cacti.
 E. J. L.

Mar. 14, 1916: S. F. W.
 At 8 hrs. 8 m., a.m., l.m.t., I set off 35° 49½' N. on the lat. arc; 2° 28' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 8, 9, 16 and 17.
 Thence
 N.0° 3' W., bet. secs. 8 and 9.
 Over rolling land, through scattering undergrowth.
 Asc. 80 ft. to
 20.90 Desc. 45 ft. to
 34.86 Wash, course W. Asc. 460 ft.
 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
 1916 on S. rim;
 S8 ¼ in W. and
 S9 in E. half;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Continue asc. 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
 1916 on S. rim;
 T28N R19W 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, 1½ ft. high, W. of cor.
 Land, rolling.
 Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, yucca, cat claw and cacti.

40.00 S.89° 59' E., on a random line, bet. secs. 4 and 9.
 Set temp. ¼ sec. cor.
 80.10 Intersect N. and S. line, 23 lks. N. of the cor. of secs. 3, 4, 9 and 10.
 Thence
 N.89° 49' W., on a true line, bet. secs. 4 and 9.
 Over mountainous land, through scattering undergrowth.
 Asc. 700 ft. to
 35.60 Top of Squaw Peak, or Senator Mountain. Desc. 885 ft.
 40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap
 1916 on S. rim;
 S4 ¼ in N. and
 S9 in S. half;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 Continue desc. to
 80.10 The cor. of secs. 4, 5, 8 and 9.

26. Partial Subdivision of T. 28 N., R. 19 W.

Chains.

Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, yucca, cat claw, greasewood and cacti.
Some bunch grass.

15.00
37.65
40.00

N.0° 3' W., on a true line, bet. secs. 4 and 5.
Over mountainous land, through scattering undergrowth.
Asc. 375 ft. to
Top of butte, brs. N.70° W. and S.70° E. Desc. 425 ft. to
Gulch, course NW. Asc. 15 ft. to
Spur, slopes W. Set an iron post, 3 ft. long, 1 in. diam.,
26 ins. in the ground, for 1/4 sec. cor., marked on brass
cap

1916 on S. rim;
S5 1/4 in W. and
S4 in E. half;

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

80.40

Desc. 265 ft. to
Intersect Seventh Standard Parallel North, 3.31 chs. W. of
the standard 1/4 sec. cor. of sec. 33, which is an iron
post, 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. 4 and 5, marked on brass cap

1916 on S. rim;
CC S. of center;
T29N R19W S33 in N. half;
S4 R19W. in SE. and
S5 T28N in SW. quadrant;

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
S. of cor.

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

S. F. W.

8.50
35.00
40.00

Feb. 6, 1916: E. J. L.
At 8 hrs. 3 m., a.m., l.m.t., I set off 35° 46' N. on the
lat. arc; 15° 50 1/2' S. on the decl. arc; and determine
a meridian with the solar at the cor. of secs. 5, 6,
31 and 32, on the S. bdy. of the Tp., which is an iron
post, established by me, as described in Book "A."

Thence
N.0° 3' W., bet. secs. 31 and 32.
Over gently rolling land, through scattering undergrowth.
Wash, 30 lks. wide, course W.
Wash, 35 lks. wide, course W.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for 1/4 sec. cor., marked on brass cap

1916 on S. rim;
S31 1/4 in W. and
S32 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 1/2 ft. base, 1 1/2 ft.
high, W. of cor.

Chains. 80 00	<p>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</p> <p>1916 on S. rim; T28N R19W in N. half; S30 in NW., S29 in NE., S32 in SE. and S31 in SW. quadrant;</p> <p>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.</p> <p>Land, gently rolling. Soil, gravelly; 2nd rate. No timber. Undergrowth, yucca, cat claw, greasewood, rabbit brush and cacti.</p>
40.00 80.12	<p>S.89° 57' E., on a random line, bet. secs. 29 and 32. Set temp. ¼ sec. cor.</p> <p>Intersect N. and S. line, 19 lks. N. of the cor. of secs. 28, 29, 32 and 33.</p> <p>Thence,</p> <p>N.89° 49' W., on a true line, bet. secs. 29 and 32. Over gently rolling land, through scattering undergrowth. Road, brs. NE. to Lost Basin, and SW. to Whitehills.</p>
36.30 40.06	<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>1916 on S. rim; S29 ¼ in N. and S32 in S. half;</p> <p>dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.</p>
80.12	<p>The cor. of secs. 29, 30, 31 and 32. Land, gently rolling. Soil, gravelly; 2nd rate No timber. Undergrowth, yucca, greasewood, rabbit brush and cacti. Some bunch grass.</p>
40.00 77.98	<p>N.89° 57' W., on a random line, bet. secs. 30 and 31. Set temp. ¼ sec. cor.</p> <p>Intersect W. bdy. of Tp., 9 lks. S. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, established by me, as described in Book "A."</p> <p>Thence,</p> <p>S.89° 53' E., on a true line, bet. secs. 30 and 31. Over gently rolling land, through scattering undergrowth. Wash, 1 ch. wide, course S.80° W.</p>
15.50 37.98	<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>1916 on S. rim; S30 ¼ in N. and S31 in S. half;</p> <p>dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.</p>
77.98	<p>The cor. of secs. 29, 30, 31 and 32. Land, gently rolling. Soil, gravelly; 2nd rate.</p>

Chains.

	<p>No timber. Undergrowth, yucca, greasewood, rabbit brush and cacti. Some bunch grass.</p>
15.80	N.0° 3' W., bet. secs. 29 and 30.
40.00	Over rolling land, through scattering undergrowth. Center of wash, 1 ch. wide, course S.60° W. 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 1916 on S. rim; S30 $\frac{1}{4}$ in W. and S29 in E. half;
80.00	dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, $\frac{3}{8}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor. 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 1916 on S. rim; T28N R19W in N. half; S19 in NW., S20 in NE., S29 in SE. and S30 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, gently rolling. Soil, gravelly; 2nd rate. No timber. Undergrowth, yucca, greasewood, rabbit brush and cacti. Some bunch grass.
	E. J. L.
	Feb. 9, 1916: S. F. W. At 9 hrs. 0 m., a.m., l.m.t., I set off 35° 47 $\frac{1}{2}$ ' N. on the lat. arc; 14° 55' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 29, 20, 29 and 30.
40.00	Thence, S.89° 49' E. on a random line, bet. secs. 20 and 29. Set temp. $\frac{1}{4}$ sec. cor.
80.03	Intersect N. and S. line, 16 lks. S. of the cor. of secs. 20, 21, 28 and 29.
40.01 $\frac{1}{2}$	Thence, N.89° 56' W., on a true line, bet. secs. 20 and 29. Over gently rolling land, through scattering undergrowth. Desc. 120 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 1916 on S. rim; S20 $\frac{1}{4}$ in N. and S29 in S. half;
44.60	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
50.05	Wash, course NW. Asc. 30 ft. to
80.03	Spur, brs. NW. Desc. 100 ft. to The cor. of secs. 19, 20, 29 and 30. Land, gently rolling. Soil, 2nd and 4th rate. No timber. Undergrowth, yucca, greasewood, cat claw, and cacti. Some bunch grass

Partial Subdivision of T. 28 N., R. 19 W.

Chains.

Feb. 1, 1916: E. J. L. set off 89° 53' W. on a random line, bet. secs. 19 and 30. Set temp. 1/4 sec. cor. Intersect W. bdy. of Tp., at the cor. of secs. 19, 24, 25 and 30, which is an iron post, established by E. J. L. as described in Book "A."

Thence,
S. 89° 53' E., on a true line, bet. secs. 19 and 30. Over rolling land, through scattering undergrowth. Asc. 70 ft. to
12.85 Desc. 50 ft. to
22.30 Wash, course NW. Asc. 70 ft.
37.77 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap
1916 on S. rim;
S19 1/4 in N. and
S30 in S. half;

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

40.75 Spur, slopes SW. Desc. 30 ft. to
53.65 Wash, course SW. Asc. 65 ft. to
67.75 Desc. 25 ft. to
72.75 Asc. 15 ft. to
77.77 The cor. of secs. 19, 20, 29 and 30.
Land, rolling.
Soil, 2nd and 4th rate.
No timber.
Undergrowth, yucca, greasewood, cat claw and cacti.
Some bunch grass.

S. F. W.

Mar. 10, 1916: E. J. L.
At 8 hrs. 4 m., a.m., l.m.t., I set off 35° 47 1/2' N. on the lat. arc; 4° 2' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29 and 30.

Thence,
N. 0° 3' W., bet. secs. 19 and 20.
Over rolling land, through scattering undergrowth. Asc. to
0.60 Spur, slopes W. Desc. 35 ft. to
6.80 Wash, course W. Thence along W. slope to
20.00 Wash, course S. 70° W. Asc. 95 ft. to
37.70 Spur, slopes W. Desc. 100 ft.
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
1916 on S. rim;
S19 1/4 in W. and
S20 in E. half;

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

51.20 Wash, course W. Asc. S. slope, 110 ft. to
65.20 Ridge, brs. N. 70° W. and S. 70° E. Desc. 140 ft. to
74.65 Gulch, course NW. Asc. to
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked on brass cap
1916 on S. rim;
T28N R19W in N. half;
S18 in NW.,
S17 in NE.,

30.

Partial Subdivision of T. 28 N., R. 19 W.

Chains.

- S20 in SE. and
S19 in SW. quadrant;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
Land, rolling.
Soil, 2nd rate.
No timber.
Undergrowth, yucca, greasewood, rabbit brush and cacti.
Some bunch grass.
-
- 40.00 S. $89^{\circ} 56'$ E., on a random line, bet. secs. 17 and 20.
Set temp. $\frac{1}{4}$ sec. cor.
80.16 Intersect N. and S. line, 11 lks. S. of the cor. of secs.
16, 17, 20 and 21.
Thence,
S. $89^{\circ} 59'$ W., on a true line, bet. secs. 17 and 20.
Over rolling land, through scattering undergrowth.
Along S. slope to
14.15 Gulch, course S. Asc. 40 ft. to
24.85 Ridge, brs. NE. and SW. Desc. 90 ft. to
39.60 Gulch, course N. Asc. 60 ft.
40.08 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1916 on S. rim;
S17 $\frac{1}{4}$ 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.
48.00 Spur, brs. N. 30° W. Desc. 180 ft. to
74.65 Wash, course N. 70° W. Asc. 35 ft. to
79.15 Desc. 10 ft. to
80.16 The cor. of secs. 17, 18, 19 and 20,
Land, rolling.
Soil, rocky; 4th rate.
No timber.
Undergrowth, yucca, greasewood, rabbit brush and cacti.
Some bunch grass.
- E. J. L.
-
- Mar. 11, 1916: S. F. W.
At 8 hrs. 0 m., a.m., l.m.t., I set off $3^{\circ} 38\frac{1}{2}'$ S. on the
decl. arc; $35^{\circ} 48\frac{1}{2}'$ N. on the lat. arc; and determine a
meridian with the solar at the cor. of secs. 17, 18, 19
and 20.
Thence,
40.00 N. $89^{\circ} 53'$ W., on a random line, bet. secs. 18 and 19.
Set temp. $\frac{1}{4}$ sec. cor.
77.50 Intersect W. bdy. of Tp., 2 lks. S. of the cor. of secs.
13, 18, 19 and 24, which is an iron post, established
by E. J. L., as described in Book "A."
Thence,
27.00 S. $89^{\circ} 52'$ E., on a true line, bet. secs. 18 and 19.
Over gently rolling land, through scattering undergrowth.
Wash, course NW.
37.50 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
1916 on S. rim;
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.
72.50 Same wash, course SW.

Partial Subdivision of T. 28 N., R. 19 W.

Chains. 77.50	<p>The cor. of secs. 17, 18, 19 and 20. Land, gently rolling. Soil, gravelly; 2nd rate. No timber. Undergrowth, greasewood, yucca, cat claw and cacti. Some bunch grass.</p>
4.95 15.00 26.00 40.00	<p>N.0° 3' W., bet. secs. 17 and 18. Over rolling land, through scattering undergrowth. Wash, course SW. Wash, course SW. Wash, course SW. Asc. 110 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 1916 on S. rim; S18 $\frac{1}{4}$ in W. and S17 in E. half;</p>
47.00 60.00 62.00 80.00	<p>and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Desc. 50 ft. to Asc. 15 ft. to Thence over level land. Wash, course WSW. 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 1916 on S. rim; T28N R19W 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. Land, rolling and level. Soil, 2nd rate. No timber. Undergrowth, yucca, greasewood, cat claw and cacti.</p>
40.00 80.00	<p>N.89° 59' E., on a random line, bet. secs. 8 and 17. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 18 lks. N. of the cor. of secs. 8, 9, 16 and 17.</p>
40.00	<p>Thence N.89° 53' W., on a true line, bet. secs. 8 and 17. 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 1916 on S. rim; S8 $\frac{1}{4}$ in N. and S17 in S. half;</p>
77.00 80.00	<p>and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Enter wash, course W. Comes from NE. The cor. of secs. 7, 8, 17 and 18. Land, rolling. Soil, gravelly; 2nd rate. No timber. Undergrowth, yucca, greasewood, cat claw and cacti. S. E. W.</p>

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Partial Subdivision of T. 28 N., R. 19 W.

Chains.

40.00 ~~40.00~~ E. J. L. and S. F. W.
 40.00 N. $89^{\circ} 52'$ W., on a random line, bet. secs. 7 and 18.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 77.70 Intersect W. bdy. of Tp., 2 lks. N. of the cor. of secs.
 7, 12, 13 and 18, which is an iron post, established
 by E. J. L., as described in Book "A".
 Thence
 S. $89^{\circ} 53'$ E., on a true line, bet. secs. 7 and 18.
 Over rolling land, through scattering undergrowth.
 29.20 Enter wash, course SW. Comes from E.
 37.70 (S.F.W.) 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
 1916 on S. rim;
 S7 $\frac{1}{4}$ 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.
 38.70 Leave wash, course W. Comes from SE.
 53.70 Enter wash, course SW. Comes from E.
 77.70 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling.
 Soil, gravelly; 2nd rate.
 No timber.
 Undergrowth, greasewood, yucca, cacti and cat claw.
 Some bunch grass.

E. J. L. and S. F. W.

Mar. 13, 1916: S. F. W.
 At 8 hrs. 57 m., a.m., l.m.t., I set off $35^{\circ} 49\frac{1}{2}'$ N. on the
 lat. arc; $2^{\circ} 51'$ S. on the decl. arc; and determine a
 meridian with the solar at the cor. of secs. 7, 8, 17
 and 18.
 Thence
 N. $0^{\circ} 3'$ W., bet. secs. 7 and 8.
 Over rolling land, through scattering undergrowth.
 Across wash.
 1.00 Leave wash, asc. 65 ft. to
 6.00 Spur, slopes SW. Desc. 105 ft. to
 21.71 Wash, course W. Asc. 70 ft. to
 28.30 Spur, slopes SW. Desc. 70 ft. to
 38.17 Wash, course SW. Asc. 50 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
 1916 on S. rim;
 S7 $\frac{1}{4}$ in W. and
 S8 in E. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 45.00 Desc. 55 ft. to
 49.85 Asc. 65 ft. to
 53.20 Desc. 50 ft. to
 59.65 Asc. 160 ft. to
 69.30 Spur, slopes SW. Desc. 125 ft. to
 78.95 Wash, course W. Asc. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 5, 6, 7 and 8, marked on
 brass cap
 1916 on S. rim;
 T28N R19W 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.
 Land, rolling.

Chains.	<p>Soil, 2nd and 4th rate. No timber. Undergrowth, yucca, cat claw, and cacti. Some bunch grass.</p>
40.00 80.16	<p>S.89° 53' 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</p>
40.08	<p>N.89° 54' W., on a true line, bet. secs. 5 and 8. Over mountainous land, through scattering undergrowth. Desc. 405 ft. to Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; S5 $\frac{1}{4}$ in N. and S8 in S. half;</p>
80.16	<p>and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, N. of cor. Desc. 200 ft. to The cor. of secs. 5, 6, 7 and 8. Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, yucca, cat claw, greasewood and cacti. Some bunch grass.</p>
18.60 24.40 26.30 29.30 40.00	<p>N.0° 3' W., on a true line, bet. secs. 5 and 6. Over rolling and mountainous land, through scattering undergrowth. Asc. 220 ft. to Desc. 100 ft. to Asc. 45 ft. to Desc. 20 ft. to Asc. 120 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 1916 on S. rim; S6 $\frac{1}{4}$ in W. and S5 in E. half;</p>
41.00 59.70 62.20 69.45 71.45 80.00	<p>and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Spur, slopes SW. Desc. 190 ft. to Asc. 20 ft. to Desc. 120 ft. to Asc. 10 ft. to Desc. 70 ft. to Intersect Seventh Standard Parallel North, 3.35 chs. W. of the standard $\frac{1}{4}$ sec. cor. of sec. 32, which is an iron post, described in Book "A." At the point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for closing cor. of secs. 5 and 6, marked on brass cap 1916 on S. rim; 00 S. of center; T29N R19W S32 in N. half; S5 R19W in SE. and S6 R28N in SW. quadrant; and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, S. of cor. Land, mountainous.</p>

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Partial Subdivision of T. 28 N., R. 19 W.

Chains.

Soil, 2nd and 4th rate.
 No timber.
 Undergrowth, greasewood, yucca, cat claw and cacti.
 S. F. W.

GENERAL DESCRIPTION.

This township consists of level and rolling land in the south west quarter, and mountainous and rolling land, throughout the remainder of the township. The main divide of the Cerbat Mountain Range runs north westerly through the township.

The vegetation consists of greasewood, yucca, cat claw, Spanish bayonet and various species of cacti. There is no timber.

The soil varies from gravel, 2nd rate, to rocky, 4th rate.

Several roads cross the township, leading from Whitehills to Lost Basin and to Cyclopic.

The Cyclopic Pumping Plant is located in the south west quarter of sec. 35. There are no settlers in the township.

Chains.

Survey commenced Feb. 2, 1916, and executed by E. J. Lange, U. S. Surveyor, with Young and Sons' light mountain transit No. 852A, described in book "A".
Dates of execution shown on diagram on page 47 hereof.

Knowing from recent and repeated tests of my instrument on a meridian established by observations on Polaris at elongation, that it is in good adjustment, I proceed as follows:

At 9 hrs. 30 m., a.m., l.m.t., I set off 35° 40' N. on the lat. arc; 17° 1½' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., which is an iron post, established by Hervey G. Bardsley, U. S. Surveyor, as described in Book "A".

Thence,
N.0° 1' W., bet. secs. 35 and 36.

Over rolling land, through scattering und ergrowth.

- 9.70 Center of wash, 60 lks. wide, course S.70° W.
- 30.00 Center of wash, 75 lks. wide, course W.
- 35.00 Road, brs. SW. to Whitehills, and N.15° E. to Gold Basin.
- 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
 - 1916 on S. rim;
 - S35 ¼ in W. and
 - S36 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.

- 46.70 Telephone line, brs. N.5° E. to Gold Basin, and S.35° W. to Chloride.

- 58.00 Center of wash, 150 chs. wide, course W. Asc. 65.ft. to
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 25, 26, 35 and 36, marked on brass cap
 - 1916 on S. rim;
 - T28N R20W 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, 1½ ft. high, W. of cor.

Land, rolling.

Soil, rocky; 3rd rate; and gravelly, 2nd rate.

No timber.

Undergrowth, yucca, greasewood, rabbit brush and cacti.

Some grass.

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

- 40.00 Set temp. ¼ sec. cor.
- 79.96 Intersect E. bdy. of Tp., 7 lks. S. of the cor. of secs. 25, 30, 31 and 36, described in Book "A".

Thence,
S.89° 57' W., on a true line, bet. secs. 25 and 36.

Over rolling land, through scattering undergrowth.

- 9.95 Wash, 30 lks. wide, course SW.
- 39.98 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap
 - 1916 on S. rim;
 - S25 ¼ in N. and
 - S36 in S. half;

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

- 48.10 Center of wash, 1 ch. wide, course SW.
- 71.95 Road, brs. N. to Gold Basin and S. to Chloride and Whitehills.
- 74.85 Telephone line, brs. N.5° E. to Gold Basin, and S.5° W. to

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Partial Subdivision of T. 28 N., R. 20 W.

Chains.

- Chloride.
 79.90 The cor. of secs. 25, 26, 35 and 36.
 Land, rolling.
 Soil, rocky; 3rd rate.
 No timber.
 Undergrowth, greasewood, yucca, rabbit brush and cacti.
 Some grass.
-
- N.0° 1' W., bet. secs. 25 and 26.
 Over rolling land, through scattering undergrowth.
 Asc. slightly to
 30.00 Asc. 105 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
 brass cap
 1916 on S. rim;
 S26 $\frac{1}{4}$ 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.
 43.00 Desc. 155 ft. to
 80.00 Draw, course NW. 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
 1916 on S. rim;
 T28N R20W 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.
 Land, rolling.
 Soil, rocky; 3rd rate.
 No timber.
 Undergrowth, greasewood, rabbit brush and cacti.
 Some grass.
-
- N.89° 57' E., on a random line, bet. secs. 24 and 25.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect E. bdy. of Tp., 21 lks. N. of the cor. of secs.
 19, 24, 25 and 30, which is an iron post, established
 by me, as described in Book "A."
 Thence,
 N 89° 54' W., on a true line, bet. secs. 24 and 25.
 Over level land, through scattering undergrowth.
 15.30 Desc. 105 ft. to
 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
 1916 on S. rim;
 S24 $\frac{1}{4}$ in N. and
 S25 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.
 Thence over level land.
 40.00 Road, brs. N. to Gold Basin and S. to Whitehills and Chloride.
 43.35 Telephone line, brs. N.5° E. to Gold Basin, and S.5° W. to
 Chloride.
 70.30 Desc. 110 ft. to

Partial Subdivision of T. 28 N., R. 20 W.

Chains.

79.98 The cor. of secs. 23, 24, 25 and 26.
 Land, rolling.
 Soil, gravelly; 2nd rate.
 No timber.
 Undergrowth, yucca, greasewood, rabbit brush and cacti.
 Some grass.

N.0° 1' W., bet. secs. 23 and 24.
 Over rolling land, through scattering undergrowth.
 Asc. 100 ft. to
 9.00 Desc. 65 ft. to
 18.70 Center of wash, 60 lks. wide, course NW. Asc. 30 ft. to
 21.90 Desc. to
 28.88 Wash, 25 lks. wide, course W. Asc. 25 ft. to
 32.20 Desc. 30 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
 1916 on S. rim;
 S23 $\frac{1}{4}$ in W. and
 S24 in E. half;

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 Asc. 30 ft. to
 44.65 Desc. to
 49.70 Wash, 30 lks. wide, course W. Asc. 35 ft. to
 51.80 Desc. to
 64.40 Center of wash, 1 ch. wide, course W. Asc. 35 ft. to
 73.95 Desc. to
 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
 1916 on S. rim;
 T28N R20W in N. half;
 S14 in NW.,
 S13 in NE.,
 S24 in SE. and
 S23 in SW. quadrant;
 dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist.;
 and raise a mound of earth, 4 ft. base, 2 ft. high,
 W. of cor.
 Land, rolling.
 Soil, gravelly; 2nd rate.
 No timber.
 Undergrowth, greasewood, yucca, rabbit brush and cacti.
 Some grass.

S.89° 54' E., on a random line, bet. secs. 13 and 24.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.08 Intersect E. bdy. of Tp., 21 lks. S. of the cor. of secs.
 13, 18, 19 and 24, which is an iron post, established
 by me. as described in Book "A."
 Thence,
 S.89° 57' W., on a true line, bet. secs. 13 and 24.
 Over rolling land, through scattering undergrowth.
 Desc. 110 ft. to
 38.60 Road, ors. NW. to Gold Basin and SE. to Whitehills and
 Chloride.
 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
 1916 on S. rim;
 S13 $\frac{1}{4}$ in N. and
 S24 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.

Chains.

- 43.00 Telephone line, brs. N.50° E. to Gold Basin and S.5° W. to Chloride.
- 55.10 Wash, 40 lks. wide, course N.80° W.
- 80.08 The cor. of secs. 13, 14, 23 and 24.
Land, rolling.
Soil, gravelly; 2nd rate.
No timoer.
Undergrowth, yucca, greasewood, rabbit brush and cacti.
Some grass.
-
- N.0° 1' W., bet. secs. 13 and 14.
Over rolling land, through scattering undergrowth.
Desc. to
- 0.70 Wash, course W. Asc. 35 ft. to
- 5.00 Desc. 40 ft. to
- 20.14 Center of wash, 1 ch. wide, course W.
- 26.80 Wash, 30 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
1916 on S. rim;
S14 $\frac{1}{4}$ in W. and
S13 in E. half;
- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of the cor.
- 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
1916 on S. rim;
T28N R20W in N. half;
S11 in NW.,
S12 in NE.,
S13 in SE. and
S14 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, gravel and rocks; 2nd and 3rd rate.
No timber.
Undergrowth, yucca, cat claw, greasewood, rabbit brush and cacti.
Some grass.
-
- N.89° 57' E., on a random line, bet. secs. 12 and 13.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect E. bdy. of Tp., 11 lks. S. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, established by me, as described in Book "A".
Thence
- S.89° 52' W., on a true line, bet. secs. 12 and 13.
Over gently rolling land, through scattering undergrowth.
- 40.01 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
1916 on S. rim;
S12 $\frac{1}{4}$ in N. and
S13 in N. half;
- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 44.70 Wash, 30 lks. wide, course N.60° W.
- 57.20 Road, brs. N.10° W. to Gold Basin and S.10° E. to White-hills and Chloride.

Partial Subdivision of T. 28 N., R. 20 W.

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Chains.	
58.80	Telephone line, brs. N.30° W. to Gold Basin and S.30° E. to Chloride.
65.00	Center of wash, 1.50 chs. wide, course N.70° W.
80.02	The cor. of secs. 11, 12, 13 and 14. Land, gently rolling. Soil, rocks and gravel; 3rd rate. No timber. Undergrowth, yucca, greasewood, rabbit brush and cacti. Some grass. E. J. L.
	Feb. 3, 1916: At 9 hrs. 3 m., a.m., l.m.t., I set off 35° 46' N. on the lat. arc; 16° 44' S on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., which is an iron post, established by Royston C. Durnford, U. S. Transitman, as described in Book "A."
	Thence, N.0° 1' W., bet. secs. 34 and 35. Over gently rolling land, through scattering undergrowth.
27.20	Wash, course S.80° W.
38.10	Wash, course S.60° 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 1916 on S. rim; S34 $\frac{1}{4}$ in W. and S35 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.
49.40	Wash, course S.80° W.
56.40	Wash, course W.
65.00	Wash, course N.80° W.
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 1916 on S. rim; T28N R20W 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, $1\frac{1}{2}$ ft. high, W. of cor. Land, gently rolling. Soil, sandy; 3rd rate. No timber. Undergrowth, greasewood, yucca, rabbit brush and cacti.
	East on a random line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect the corner of secs. 25, 26, 35 and 36, on the true line.
	Thence, West on a true line, bet. secs. 26 and 35. Over mountainous land, through scattering undergrowth. Asc. 235 ft. to
27.65	Spur, slopes S. Desc. 520 ft.
39.95	Set an iron post, 3 ft. long, 1 in. diam., on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; S26 $\frac{1}{4}$ in N. and

40.30 Partial Subdivision of T. 28 N., R. 20 W.

Chains.

	S35 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Continue desc. to
62.60	Wash, course N.80° W. Asc. 30 ft. to
66.70	Desc. 30 ft. to
76.00	Wash, course N.70° W. Asc. slightly to
79.90	The cor. of secs. 26, 27, 34 and 35. Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, yucca, greasewood, rabbit brush and cacti.
	N.0° 1' W., bet. secs. 26 and 27. Over rolling land, through scattering undergrowth. Desc. to
3.80	Wash, course N.60° W. Asc. 15 ft. to
6.60	Desc. 30 ft. to
11.40	Wash, course W. Asc. 35 ft. to
19.80	Spur, slopes W. Desc. to
21.60	Thence over level land.
30.00	Wash, course W.
34.80	Wash, course W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; S27 $\frac{1}{4}$ in W. and S26 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Asc. 85 ft. to
49.50	Spur, slopes W. Desc. 105 ft. to
57.80	Gulch, course W. Asc. 95 ft. to
65.65	Ridge, brs. E. and W. Desc. 45 ft. to
67.70	Gulch, course W. Asc. 35 ft. to
77.30	Spur, slopes W. Desc. 50 ft. to
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 1916 on S. rim; T28N R20W 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. Land, rolling and mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, yucca, rabbit brush and cacti.
	East on a random line, bet. secs. 23 and 26.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 23, 24, 25 and 26. Thence N.89° 57' W., on a true line, bet. secs. 23 and 26. Over mountainous land, through scattering undergrowth. Asc. 40 ft. to
12.55	Spur, slopes N. Desc. to

Partial Subdivision of T. 28 N., R. 20 W.

Chains.

17.95 Gulch, course N Asc. 300 ft.
 40.03 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
 1916 on S. rim;
 S23 $\frac{1}{4}$ 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.
 40.45 Spur, slopes N.30° E. Continue asc. to
 50.90 Rocky ridge, brs. N. and S. Desc. 480 ft. to
 68.90 Asc. slightly to
 70.45 Spur, slopes NW. Desc. 80 ft. to
 80.00 The cor. of secs. 22, 23, 26 and 27.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, cacti.

Feb. 4, 1916: At 8 hrs. 8 m., a.m., l.m.t., I set off
 35° 47 $\frac{1}{2}$ ' N. on the lat. arc; 16° 26 $\frac{1}{2}$ ' S. on the decl.
 arc; and determine a meridian with the solar at the cor.
 of secs. 22, 23, 26 and 27.

Thence
 N.0° 1' W., bet. secs. 22 and 23.
 Over mountainous land, through scattering undergrowth.
 Desc. to
 0.17 Gulch, course SW. Asc. 125 ft. to
 3.64 Spur, slopes W. Desc. 135 ft. to
 19.08 Gulch, course SW. Asc. 460 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
 1916 on S. rim;
 S22 $\frac{1}{4}$ 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.
 46.90 Top of hill. Desc. 420 ft. to
 73.80 Enter wash, course W.
 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
 1916 on S. rim;
 T28N R20W 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, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky; 3rd rate.
 No timber.
 Undergrowth, yucca, rabbit brush and cacti.
 Some grass.

40.00 S.89° 57' E., on a random line, bet. secs. 14 and 23.
 79.92 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 13, 14, 23 and 24.
 Thence
 West on a true line, bet. secs. 14 and 23.
 Over rolling land, through scattering undergrowth.
 2.45 Wash, 15 lks. wide, course S.70° W.

Chains.

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
 1916 on S. rim;
 S14 $\frac{1}{4}$ 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.

Desc. 80 ft. to

47.20 Thence over rolling land.

77.20 Enter wash, course SW.

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

Land, rolling.

Soil, gravelly; 2nd rate.

No timber.

Undergrowth, yucca, greasewood, cacti, rabbit brush.

Some grass.

Feb. 5, 1916: At 8 hrs. 0 m., a.m., l.m.t., I set off

$35^{\circ} 48\frac{1}{2}'$ N. on the lat. arc; $16^{\circ} 9'$ S. on the decl. arc;
 and determine a meridian with the solar at the cor. of
 secs. 14, 15, 22 and 23.

Thence

N. $0^{\circ} 1'$ W., bet. secs. 14 and 15.

Over rolling land, through scattering undergrowth.

3.10 Leave wash, course N. 75° W.

5.60 Wash, 50 lks. wide, course W.

11.00 Center of wash, 1 ch. wide, course W.

28.30 Wash, 50 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

1916 on S. rim;

S15 $\frac{1}{4}$ in W. and

S14 in E. half;

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

78.60 Wash, 25 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. 10, 11, 14 and 15, marked on brass cap

1916 on S. rim;

T28N R20W 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.

Land, rolling.

Soil, rocks and gravel; 3rd rate.

No timber.

Undergrowth, greasewood, yucca, rabbit brush and cacti.

Some grass.

East on a random line, bet. secs. 11 and 14.

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

80.00 Intersect N. and S. line, 37 lks. N. of the cor. of secs.
 11, 12, 13 and 14.

Thence

N. $89^{\circ} 44'$ W., on a true line, bet. secs. 11 and 14.

Partial Subdivision of T. 28 N., R. 20 W.

Chains.

40.00 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
 1916 on S. rim;
 S11 $\frac{1}{4}$ 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.

80.00 The cor. of secs. 10, 11, 14 and 15.
 Land, rolling.
 Soil, rocky and gravelly; 3rd rate.
 No timber.
 Undergrowth, greasewood, yucca, rabbit brush and cacti.
 Some grass.

E. J. L.

GENERAL DESCRIPTION.

The sections surveyed in this township, with the exception of sec. 20, which is mountainous, consist of level and rolling land, covered with a growth of yucca, greasewood, rabbit brush and cacti. There is no timber. The soil is rocky and gravelly, 3rd rate.

A road and telephone line run northerly through the portion of the township surveyed, from Whitehills to Gold Basin.

There are no settlers, There is no water in the township.

Book "G"

Group 45 - - - Arizona.

~ DATE ADIAGRAM ~

Surveys executed on dates shown on this diagram by S. Frank Walters, U.S. Transitman.

NAME.		RANGE.	
7th. Standard Parallel North.			
6	5	4	3
3-13-16	3-13-16	3-13-16	3-9-16
7	8	9	10
3-13-16	3-11-16	2-8-16	3-9-16
18	17	16	15
3-11-16		T. 28 N. R. 19 W.	2-8-16
		2-6-16	2-6-16
19	20	21	22
2-9-16	2-9-16	2-5-16	2-4-16
30	29	28	27
	2-5-16	2-5-16	2-4-16
31	32	33	34
	2-5-16	2-4-16	2-1-16
			2-1-16
			35
			2-1-16
			36
			2-2-16

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BOOK 3248

TRANSITMAN
CERTIFICATE OF UNITED STATES SURVEYOR.

I, S. Frank Walters, ^{Transitman} U. S. ~~Surveyor~~, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 45, Arizona, bearing date of the 7th day of January, 1915, 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 the Subdivision lines of

TOWNSHIP 28 NORTH, RANGE 19 WEST, and

of the Gila and Salt River
Base and Meridian, in the State of Arizona, which are represented by the diagram on the reverse hereof and in the foregoing field notes as having been executed by me, and under my direction; and 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 Group 45, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

S. Frank Walters
U. S. Surveyor
Transitman.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

....., 191

The foregoing field notes of the survey of

executed by

under his special instructions dated, 191 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

.....
U. S. Surveyor General.

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

.....
U. S. Surveyor General.

3-9-16 3-9-16 3-9-16 3-9-16 3-8-16 3-7-16
7th. Standard Parallel North

	6	5	4	3	2	1
	7	8	9	10	11	12
2-4-16	18	17	16	15	14	13
2-1-16	19	20	21	22	23	24
2-1-16	30	29	28	27	26	25
2-1-16	31	32	33	34	35	36

FIELD ASSISTANTS.
T. 28N. R. 19W.

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BOOK 5248

1-19-16 1-19-16 1-19-16 1-20-16 1-20-16 1-20-16
Surveys executed on dates shown on these diagrams by E. J. Lange, U.S.S.

	6	5	4	3	2	1
	7	8	9	10	11	12
	18	17	16	15	14	13
	19	20	21	22	23	24
	30	29	28	27	26	25
	31	32	33	34	35	36

T. 28N. R. 20W.

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CERTIFICATE OF UNITED STATES SURVEYOR.

I, E. J. Lange, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 45, Arizona, bearing date of the 7th day of January, 1915, 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 the

Subdivision lines of
TOWNSHIP 28 NORTH, RANGE 19 WEST, and
TOWNSHIP 28 NORTH, RANGE 20 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented by the diagrams on the reverse hereof and in the foregoing field notes as having been executed by me, and under my direction; and 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 Group 45, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

E. J. Lange
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, March 17, 1919.

The foregoing field notes of the survey of part of the Subdivision lines of

TOWNSHIP 28 NORTH, RANGE 19 WEST,
and
TOWNSHIP 28 NORTH, RANGE 20 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by H. G. Bardsley, U. S. Surveyor, and Yoyston C. Durnford, U. S. Transitman, under his special instructions dated January 7, 1915, for Group 45, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank G. Frost
U. S. Surveyor General.

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