

Book "D" 2448

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209  
1

BOOK 2448

BOOK 2448

Accepted G.L.O. letter "E" Nov. 19-1913

# FIELD NOTES

OF THE SURVEY OF THE

Subdivision of Township 39 North, Range 16 West,

and

Resurvey of Nevada-Arizona State Boundary, Mile cor.

312 to Mile Cor. 319,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona,

EXECUTED BY

Thomas B. Matthews,

In the capacity of U. S. Surveyor, under instructions dated June 6, 1912,

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

Group No. 21, which were approved by the Commissioner of the General Land

Office, June 20, 1912, pursuant to authority contained in the Act of

Congress dated August 24, 1912

Survey commenced December 26, 1912.

Survey completed January 3, 1913.

BOOK 2448  
INDEX DIAGRAM

BOOK 2448

312 INDEX DIAGRAM.

Township 21 39 North, Range 16 West.

313	20	5	18	4	12	3	8	2	4	1
	21	18		17		12		8		4
314	20	8	17	9	12	10	7	11	4	12
	21	16		16		11		7		3
315	20	17	16	16	11	15	7	14	3	18
	21	15		15		11		6		2
316	19	20	15	21	10	22	6	23	2	24
	20	14		14		10		6		2
317	19	29	14	28	10	27	5	26	1	25
	20	13		13		9		5		1
318	19	32	13	33	9	34	5	35	1	36
319										

ARIZONA-NEVADA STATE BDY.

—— This book  
 —— Book "A"  
 —— Book "E"

## SUBDIVISION OF T 39 N. R 16 W.

	Survey commenced Dec 26, 1912, and executed by Thomas B. Matthews, U. S. Surveyor, with a Young & Sons Light Mountain Transit, No. 8480, heretofore described, in Book A.
	At 9 h. 35m. a.m., l.m.t. I set off $36^{\circ} 43\frac{1}{2}'$ N on the lat. arc $22^{\circ} 20'$ S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 1, 2, 35 & 36 on S. bdy. of Tp., recently established by me & described in Book A, Thence I run
	N. $0^{\circ} 01'$ W. bet. secs. 35 & 36
	Over slightly rolling N. slope through cactus & shellac brush 4 to 5 ft. high.
18.50	Dry wash 15 lks. wide, course N. $30^{\circ}$ W.
36.50	Dry wash 15 lks. wide, course N. $30^{\circ}$ W.
40.00	Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 35 in W & S 36 in E. half, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
56.30	Dry wash 5 lks. wide, course N. $45^{\circ}$ W.
59.20	Wagon road, bears N. $30^{\circ}$ W. & S. $30^{\circ}$ E.
64.60	Dry wash 40 lks. wide, course N. $40^{\circ}$ W.
70.10	Dry wash 30 lks. wide, course N. $35^{\circ}$ W.
73.00	Dry ravine 20 ft. deep course N. $40^{\circ}$ W.
80.00	Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 25, 26, 35 & 36, with a brass cap marked T 39 N R 16 W in N. half, S 26 in N.W., S 25 in N.E., S 36 in S.E. & S 35 in S.W. quadrant and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
	Land rolling, soil sandy & rocky, coarse texture, 2 to 3 ft. deep. Undergrowth cactus & shellac brush 4 to 5 ft. high.
	-----
	East on random line bet. secs. 25 & 36
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect the E. bdy of Tp. at the cor. of secs. 25, 30, 31 & 36, recently established by me & described in Book A.
	Thence I run
	West on true line bet. secs. 25 & 36
	Descending gentle N.W. slope over rocky, washy land, through cactus & shellac brush 4 to 5 ft. high.
7.00	Leave washy land bears N. & S. thence over rolling land.
10.20	Dry wash 3 lks. wide, course N. $30^{\circ}$ W.
15.50	Dry wash 10 lks. wide, course N. $10^{\circ}$ W.
19.00	Dry wash 20 lks. wide, course N. $40^{\circ}$ W.
33.00	Dry wash 3 lks. wide, course N. $30^{\circ}$ W.
40.01	Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 25 in N. & S 36 in S. half, and raise a mound of stone 3 ft. base 3 ft. high N. of cor.
40.25	Dry wash 15 lks. wide, course N. $20^{\circ}$ W.
48.00	Rocky wash 20 lks. wide, course N. $45^{\circ}$ W.
53.50	Wagon road, bears N $45^{\circ}$ W & S $45^{\circ}$ E
66.00	Dry wash 10 lks. wide, course N. $60^{\circ}$ W.
75.50	Dry wash 3 lks. wide, course N. $45^{\circ}$ W,
79.00	Dry wash 5 lks. wide, course N. $45^{\circ}$ W.
80.02	The cor. of secs. 25, 26, 35 & 36, hereinbefore described.
	Land rolling, soil rocky & sandy, coarse texture, 2 to 3 ft. deep.
	Undergrowth cactus & shellac. brush.
	-----
	N $0^{\circ} 01'$ W. bet. secs. 25 & 26
	Descending gentle N.W. slope over rolling rocky land through cactus & shellac brush 3 to 4 ft. high.
1.00	Dry wash 5 lks. wide, course W.
4.20	Dry wash 10 lks. wide, course N. $70^{\circ}$ W.
7.50	Dry wash 15 lks. wide, 515 ft. deep course N. $60^{\circ}$ W.
16.50	Dry ravine 15 ft. deep course N. $30^{\circ}$ W.
22.30	Dry wash 15 lks. wide, course N. $40^{\circ}$ W.
26.30	Wagon road, bears N. $45^{\circ}$ W. & S. $45^{\circ}$ E.
31.70	Dry wash 10 lks. wide, course N. $20^{\circ}$ W.
36.50	Dry wash 30 lks. wide, course N. $20^{\circ}$ W.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 26 in W. & S 25 in E. half, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
43.90	Dry ravine 7 ft. deep, course N. $70^{\circ}$ W.
49.70	Dry wash 30 lks. wide, course N. $40^{\circ}$ W.
53.60	Dry wash 35 lks. wide, course N. $70^{\circ}$ W.

## SUBDIVISION OF T. 39 N. R. 16 W.

- 58.50 Dry wash 30 lks. wide, course N. 10° W.
- 62.30 Dry ravine 8 ft. deep, course N. 40° W.
- 65.00 Dry ravine 5 ft. deep, course N. 60° W.
- 66.30 Dry ravine 7 ft. deep, course N. 50° W.
- 70.60 Dry wash 50 lks. wide, course N. 45° W.
- 77.80 Dry wash 20 lks. wide, course N. 45° W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 & 26, with a brass cap marked T 39 N R 16 W in N. half, S 23 in N.W., S 24 in N.E., S 25 in S.E. & S 26 in S.W. quadrant and raise a mound of stone 3 ft. base 3 ft. high W. of cor.  
Land rolling soil sandy & rocky, coarse texture 2 to 3 ft. deep.  
Undergrowth cactus & shellac brush 2 to 3 ft. high.
- on E. bdy of Tp. recently estab. & described by me in Book A.
- The cor. of secs. 19, 24, 25 & 30 being plainly visible, I run for said cor.  
S. 89° 59' E. on random line bet. secs. 24 & 25
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.00 Intersect the E. bdy. of Tp. at the cor. of secs. 19, 24, 25 & 30, recently estab. by me & described in Book A.  
Thence I run  
N. 89° 59' W. on true line bet. secs. 24 & 25  
Descending gentle W. slope over rocky land through cactus & shellac brush 3 to 5 ft. high.
- 22.00 Dry wash 30 lks. wide, course N. 45° W.
- 27.00 Dry wash 30 lks. wide, course N. 30° W.
- 29.00 Dry wash 20 lks. wide, course N. 45° W.
- 30.15 Dry wash 10 lks. wide, course N. 30° W.
- 34.00 Dry wash 10 lks. wide, course N. 30° W. thence over level washy land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 24 in N. & S 25 in S. half, and raise a mound of stone 3 ft. base 3 ft. high N. of cor.
- 45.50 Dry wash 10 lks. wide, course N. 20° W.
- 49.00 Dry wash 20 lks. wide, course N.
- 54.00 Dry wash 10 lks. wide, course N. 20° W.
- 57.00 Dry wash 10 lks. wide, course N. 10° W.
- 80.00 The cor. of secs. 23, 24, 25 & 26 hereinbefore described.  
Land rolling, soil rocky & gravelly. Undergrowth shellac brush
- 
- At the above cor. I set off 23° 20' S. on the decl. arc and at 12 h. 0 m. 38' p.m. 1 m.t. observe the sun on the meridian, and obtain on the lat. arc the reading 36° 45' N, which agrees with other data.  
N. 0° 01' W. bet. secs. 23 & 24  
Descending gentle N.W. slope over rolling rocky land through cactus & shellac brush 3 to 4 ft. high.
- 6.30 Dry wash 15 lks. wide, course N. 35° W.
- 7.80 Dry wash 20 lks. wide, course N. 60° W.
- 13.20 Dry wash 10 lks. wide, course W.
- 19.50 Dry wash 40 lks. wide, course N. 50° W.
- 31.30 Dry ravine 8 ft. deep, course N. 45° W.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 23 in W. & S 24 in E. half, and raise a mound of stone 3 ft. base 2 ft. high W. of cor.
- 44.00 Dry wash 15 lks. wide, course N. 45° W.
- 58.50 Dry wash 15 lks. wide, course N. 30° W.
- 66.50 Dry wash 30 lks. wide, course N. 30° W.
- 74.30 Dry wash 10 lks. wide, course W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 & 24, with a brass cap marked T 39 N R 16 W in N. half, S 14 in N.W., S 13 in N.E., S 24 in S.E. & S 23 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.  
Land rolling, soil rocky & sandy, coarse texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush 3 to 4 ft. high.
- on E. bdy of Tp. recently estab. by me & described in Book A.
- The cor. of secs. 13, 18, 19 & 24, being plainly visible I run for said cor.  
East on random line bet. secs. 13 & 24
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.98 Intersect the E. bdy of Tp. at the cor. of secs. 13, 18, 19 & 24 recently established by me & described in Book A.

## SUBDIVISION OF T 39 N., R. 16 W.

- Thence I run  
West on true line bet. secs. 13 & 24  
Descending gentle W. slope over rocky land, through cactus & shellac brush 3 to 4 ft. high.
- 14.30 Dry wash 15 lks. wide, course N. 45° W.  
19.90 Dry wash 5 lks. wide, course N. 45° W.  
27.50 Dry wash 5 lks. wide, course N. 20° W.  
33.80 Dry wash 10 lks. wide, course N. 30° W.  
36.70 Dry wash 10 lks. wide, course N. 45° W.  
39.99 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with a brass cap marked  $\frac{1}{4}$  S 13 in N. & S 24 in S. half, and raise a mound of stone 3 ft. base 2 ft. high N. of cor.
- 44.70 Dry wash 20 lks. wide, course N. 30° W.  
54.60 Dry wash 25 lks. wide, course N. 20° W.  
56.80 Dry wash 30 lks. wide, course N  
61.70 Dry wash 35 lks. wide, course N. 40° W.  
66.50 Dry wash 15 lks. wide, course N. 20° W.  
71.00 Dry wash 10 lks. wide, course N. 45° W.  
76.00 Dry wash 10 lks. wide, course N.  
79.98 The cor. of secs. 13, 14, 23 & 24, hereinbefore described.  
Land rolling, soil rocky & sandy, coarse texture 2 to 3 ft. deep.  
Undergrowth cactus & shellac brush.  
Dec. 26, 1912.
- Dec. 27, <sup>1912</sup> At 9 h. 30 m. a.m. I set off  $23^{\circ} 17' \frac{1}{2} S$  on the declarc, <sup>36° 46' N.</sup> at that arc and determine a meridian with the solar at the cor. of secs. 13, 14, 23 & 24, hereinbefore described.
- Thence I run  
N. 0° 01' W. bet secs 13 & 14  
Along West slope over rolling, rocky land, through cactus and shellac brush 3 to 4 ft. high.
- 6.20 Dry wash 30 lks. wide, course N. 30° W.  
13.00 Dry wash 20 lks. wide, course N. 45° W.  
17.50 Dry wash 15 lks. wide, course N. 70° W.  
22.90 Dry wash 15 lks. wide, course W.  
29.60 Dry wash 50 lks. wide, course N. 45° W.  
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with a brass cap marked  $\frac{1}{4}$  S 14 in W. & S 13 in E. half, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.  
Thence over gravelly land.
- 54.70 Dry wash 10 lks. wide, course N. 40° W.  
66.20 Dry wash 20 lks. wide, course W.  
75.60 Dry wash 20 lks. wide, course N. 80° W.  
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 11, 12, 22 13 & 14, with a brass cap marked T 39 N, R 16 W in N. half, S 11 in N.W., S 12 in N.E., S 13 in S.E. & S 14 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.  
Land rolling, soil rocky & sandy, coarse texture, 2 to 3 ft. deep.
- The cor. of secs. 7, 12, 13 & 18, <sup>on E. bdy. of Tp. recently estab. by me & described in Book A</sup> being plainly visible, I run for said cor.  
S. 89° 57' E. on random line bet. secs. 12 & 13
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.94 Intersect the E. bdy. of the Tp. at the cor. of secs. 7, 12, 13 & 18, recently estab. by me & described in Book A.
- Thence I run  
N. 89° 57' W. on true line bet. secs. 12 & 13  
Descending gentle W. slope over rocky land through cactus & shellac brush 3 to 4 ft. high.
- 4.00 Dry wash 5 lks. wide, course N. 30° W.  
12.50 Dry wash 10 lks. wide, course N. 40° W.  
17.00 Dry wash 30 lks. wide, course N. 40° W.  
30.00 Dry wash 5 lks. wide, course N. 70° W.  
33.30 Dry wash 10 lks. wide, course N. 75° W.  
39.97 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 12 in N. & S 13 in S. half, and raise a mound of stone 3 ft. base 2 ft. high N. of cor.
- 44.50 Wagon road, bears N. 45° W. & S. 45° E.

## SUBDIVISION OF T. 39 N. R. 16 W.

48.00	Dry wash 15 lks. wide, course N, 70° W.
79.94	The cor. of secs. 11, 12, 13 & 14, hereinbefore described. Land rolling, soil rocky & sandy coarse texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush.
	----- N. 0° 01' W. bet. secs 11, & 12. Along W. slope over rolling land through cactus & shellac brush 3 to 4 ft. high.
4.75	Dry wash 20 lks wide, course W.
22.50	Wagon road, bears N. 50° W & S. 50° E.
25.30	Dry wash 30 lks. wide, course N. 45° W.
29.70	Dry wash 30 lks. wide, course N. 45° W.
32.50	Dry wash 30 lks. wide, course N. 60° W.
35.00	Dry wash 20 lks. wide, course N. 80° W,
38.70	Dry wash 5 lks. wide, course W.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 11 in W. & S 12 in E. half, and raise a mound of stone 2 ft. base 2 ft. high W. of cor.
42.50	Dry ravine 12 ft. deep, course N. 20° W
46.80	Dry wash 25 lks. wide, course W.
51.90	Dry ravine 10 ft. deep, course W
54.60	Dry ravine 12 ft. deep course W.
59.20	Dry wash 30 lks. wide, course N. 60° W.
66.20	Dry wash 15 lks. wide, course W.
72.00	Dry ravine 10 ft. deep, course N. 70° W.
79.90	Wagon road, bears N. 80° W & S. 80° E.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 1, 2, 11 & 12, with a brass cap marked T 39 N R 16 W in N. half, S 2 in N.W., S 1 in N.E., S 12 in S.E. & S 11 in S.W. quadrant, and raise a mound of stone 2 ft. base 2 ft. high W. of cor. Land rolling, soil rocky & gravelly, coarse texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush.
	----- on E. bdy. of Tp. recently estab. by me & described in Book A. The cor. of secs. 1, 6, 7 & 12, being plainly visible, I run for said cor.
	S. 89° 53' E. on a random line bet. secs. 1 & 12.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect E. bdy. of Tp. at the cor. of secs. 1, 6, 7 & 12, recently estab. by me & described in Book A, Thence I run N. 89° 53' W. on a true line bet. secs. 1 & 12 Descending gentle W. slope over rocky land through shellac brush 3 to 4 ft. high.
5.40	Dry wash 10 lks. wide, course N. 20° W.
13.20	Dry wash 15 lks. wide, course N. 45° W.
30.00	Dry wash 10 lks. wide, course N. 30° W.
38.80	Dry wash 5 lks. wide, course N. 36° W.
40.04	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S. 1 in N. & S 12 in S. half, and raise a mound of stone 3 ft. base 3 ft. high N. of cor.
41.40	Dry wash 15 lks. wide, course N. 30° W.
48.10	Dry wash 20 lks. wide, course N. 60° W.
60.10	Dry wash 10 lks. wide, course N. 40° W.
78.50	Dry wash 20 lks. wide, course N. 60° W.
80.08	The cor. of secs. 1, 2, 11 & 12, hereinbefore described. Land rolling, soil rocky & sandy, coarse texture 2 to 3 ft. deep. Undergrowth catus & shellac brush.
	----- N. 0° 01' W. on a random line bet. secs. 1 & 2
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect the N. bdy. of the Tp. at the cor. of secs. 1, 2, 35 & 36, recently estab. by me & described in Book A. Thence I run S. 0° 01' E. on a true line bet. secs. 1 & 2 Over rolling rocky land through cactus & shellac brush 2 to 3 ft. high.
7.50	Dry wash 20 lks. wide, course N. 20° W.
16.30	Dry wash 10 lks. wide, course N. 20° W.
24.40	Dry ravine 3 ft. deep, course W.
36.00	Dry wash 30 lks. wide, course N. 45° W.
39.80	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 2 in W.

SUBDIVISION OF T. 39N. R. 16 W.

- and S. 1 in E. half and raise a mound of stone 2 ft. base 2 ft. high W. of cor.
- 43.40 Dry wash 15 lks. wide, course N. 70° W.
- 55.30 Dry ravine 7 ft. deep, course W.
- 63.50 Dry wash 20 lks. wide, course N. 80° W.
- 68.80 Dry wash 15 lks. wide, course N. 45° W.
- 72.50 Dry wash 15 lks. wide, course N. 80° W.
- 77.30 Dry ravine 9 ft. deep, course N. 60° W.
- 79.50 Dry wash 15 lks. wide, course W.
- 79.80 The cor. of secs. 1, 2, 11 & 12, hereinbefore described  
Land rolling, soil rocky & sandy, coarse texture, 2 to 3 ft. deep. Undergrowth cactus & shellac brush.  
Dec. 27, 1912.
- 
- Dec. 28, 1912 At 9 h. 35 m. a.m., 1 m.t. I set off 36° 43½' N. on the lat. arc 23° 15' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 2, 3, 34 & 35 on S. bdy. of Tp., recently estab. by me & described in Book A. Thence I run  
N. 0° 01' W. bet secs. 34 & 35 descending gentle N. slope over rocky land, through cactus & shellac brush 3 to 4 ft. high and scattering yucca trees 5 to 10 ft. high.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked ¼ S. 34 in W. & S 35 in E. half, dig pits 18 x 18 x 12 ins. N. & S. of cor. 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
- 54.20 Wagon road, bears N. 10° W & S 10° E
- 57.50 Dry wash 10 lks. wide, course N. 40° W.
- 64.00 Dry wash 5 lks. wide, course N. 35° W.
- 67.80 Dry wash 15 lks. wide, course N. 35° W.
- 78.80 Dry wash 30 lks. wide course N. 20° W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 26, 27, 34 & 35, with a brass cap marked T 39 N R 16 W in N. half, S 27 in N.W., S 26 in N.E., S 35 in S.E. & S 34 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.  
Land rolling, soil sandy & rocky, coarse texture 2 to 3 ft. deep  
Undergrowth cactus & shellac brush with scattering yucca trees on S. end of line.
- 
- The cor. of secs. 25, 26, 35 & 36, <sup>hereinbefore described</sup> being plainly visible, I run for said cor.
- East on random line bet. secs. 26 & 35
- 40.00 Set temp. ¼ sec. cor.
- 79.98 Intersect N. & S. line at the cor. of secs. 25, 26, 35 & 36, ~~hereinbefore described~~, Thence I run,  
West on true line bet. secs. 26 & 35 over rolling rocky land through cactus & shellac brush 3 to 4 ft. high.
- 2.00 Dry wash 3 lks. wide, course N. 45° W.
- 5.50 Dry wash 20 lks. wide, course N. 45° W.
- 21.50 Old wagon road, bears N. 45° W. & S. 45° E.
- 30.00 Dry wash 10 lks. wide, course N. 45° W.
- 38.50 Dry wash 10 lks. wide, course N. 30° W.
- 39.99 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked ¼ S 26 in N. & S 35 in S. half, and raise a mound of stone 2 ft. base 2 ft. high N. of cor.
- 42.00 Dry wash 15 lks. wide, course N. 30° W.
- 64.00 Dry wash 10 lks. wide, course N.
- 68.00 Dry wash 5 lks. wide, course N. 5° W.
- 71.00 Dry wash 10 lks. wide, course N. 30° W.
- 79.00 Dry wash 10 lks. wide, course N. 10° W.
- 79.98 The cor. of secs. 26, 27, 34 & 35, hereinbefore described.  
Land rolling, soil rocky & sandy, coarse texture, 2 to 3 ft. deep. Undergrowth cactus & shellac brush.
- 
- N. 0° 01' W. bet. secs 26 & 27  
Over rolling rocky land through cactus & shellac brush 3 to 4 ft. high.
- 2.50 Dry wash 10 lks. wide, course N. 30° W.
- 7.20 Dry wash 15 lks. wide, course N. 30° W.
- 15.10 Dry wash 15 lks. wide, course N. 20° W.
- 18.50 Dry wash 10 lks. wide, course N. 30° W.

## SUBDIVISION OF T. 39 N. R. 15 W.

26.20	Dry wash 20 lks wide, course N. 20° W.
31.50	Dry wash 5 lks. wide, course N. 45° W.
36.00	Dry wash 30 lks. wide, course N. 20° W.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 27 in W. & S 26 in E. half, and raise a mound of stone 3 ft. base, 3 ft. high W. of cor.
40.15	Dry wash 5 lks. wide, course N. 20° W.
47.20	Dry wash 5 lks. wide, course N. 30° W.
51.60	Dry wash 20 lks. wide, course N. 20° W.
58.50	Dry wash 20 lks. wide, course N. 70° W.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 22, 23, 26 & 27, with a brass cap marked T 39 N R 16 W in N. half, S 22 in N.W., S 23 in N.E. & S 26 in S.E. & S 27 in S.W. quadrant and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
	Land rolling, soil rocky & sandy, medium texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush.
	-----hereinbefore described-----
	The cor. of secs. 23, 24, 25 & 26 being plainly visible, I run for said cor.
	S. 89° 58' E. on a random line bet. secs. 23 & 26
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. & S. line at the cor. of secs. 23, 24, 25 & 26, hereinbefore described, Thence I run
	N. 89° 58' W. on a true line bet. secs. 23 & 26.
	Over rolling rocky land through cactus & shellac brush 2 to 3 ft. high.
2.30	Dry wash 3 lks. wide, course N. 10° W.
11.00	Dry wash 50 lks. wide, course N. 20° W.
19.00	Dry wash 10 lks. wide, course N. 20° W.
33.00	Dry wash 10 lks. wide, course N. 45° W.
36.00	Dry wash 10 lks. wide, course N.
40.01	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 23 in N. & S 26 in S. half, and raise a mound of stone 3 ft. base 3 ft. high N. of cor.
47.50	Dry wash 10 lks. wide, course N. 10° W.
58.50	Dry wash 10 lks. wide, course N. 10° W.
65.00	Dry wash 8 lks. wide, course N. 10° W.
68.50	Wagon road, bears N. 20° W. & S. 20° E.
74.00	Wagon road, bears N. 10° W. & S. 10° E.
80.02	The cor. of secs. 22, 23, 26 & 27, hereinbefore described.
	Land rolling, soil rocky & sandy, medium texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush.
	-----hereinbefore described-----
	N. 0° 01' W. bet. secs. 22 & 23
	Over gently rolling land through cactus & shellac brush 2 to 3 ft. high.
5.70	Dry wash 20 lks. wide, course N. 30° W.
7.50	Old wagon road, bears N. 40° W. & S. 40° E.
22.00	Dry wash 20 lks. wide, course N. 30° W.
33.70	Dry wash 15 lks. wide, course N. 10° E.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 22 in W. & S 23 in E. half, and raise a mound of stone 2 ft. base 2 ft. high W. of cor.
51.50	Dry wash 35 lks. wide, course N. 20° W.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 14, 15, 22 & 23, with a brass cap marked T 39 N R 16 W in N. half, S 15 in N.W., S 14 in N.E., S 23 in S.E. & S 22 in S.W. quadrant, dig pits 18 x 18 x 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist, and raise mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rolling, soil sandy and gravelly, medium texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush.
	-----hereinbefore described-----
	The cor. of secs. 13, 14, 23 & 24 being plainly visible, I run for said cor.
	East on random line bet. secs. 14 & 23
40.00	set temp. $\frac{1}{4}$ sec. cor.
80.12	Intersect N. & S. line at the cor. of secs. 13, 14, 23 & 24, hereinbefore described, Thence I run
	West on true line bet. secs. 14 & 23
	Over sandy rocky land through cactus & shellac brush 2 to 3 ft. high.



SUBDIVISION OF T. 39 N. R. 16 W.

- 1.50
  - 1.50 Dry wash 20 lks. wide, course N.
  - 4.60 Dry wash 10 lks. wide, course N. 20° W.
  - 9.60 Dry wash 20 lks. wide, course N. 30° W.
  - 17.50 Dry wash 15 lks. wide, course N. 45° W.
  - 26.80 Dry wash 15 lks. wide, course N. 60° W.
  - 35.70 Dry wash 10 lks. wide, course N.
  - 40.06 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with a brass cap marked  $\frac{1}{4}$  S 14 in N & S 23 in S. half and raise a mound of stone 2 ft. base 2 ft. high N. of cor.  
Thence over gravelly land, bears N. & S.
  - 40.50 Dry wash 30 lks. wide, course N. 45° W.
  - 61.00 Dry wash 20 lks. wide, course N. 45° W.
  - 74.00 Dry wash 35 lks. wide, course N. 45° W.
  - 75.00 Dry wash 40 lks. wide, course N. 10° W.
  - 80.12 The cor. of secs. 14, 15, 22 & 23, hereinbefore described.  
Land rolling, soil rocky & gravelly, medium texture, 2 to 3 ft. deep. Undergrowth cactus & shellac brush.  
Dec. 28, 1912.
- 
- Dec. 30, 1912, At 10 h. 0 m. a.m. 1 m.t. I set off 36° 46 $\frac{1}{2}$ ' N. on the lat. arc 23° 8' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. , 14, 15, 22 & 23 hereinbefore described, Thence I run,  
N. 0° 01' W. bet. secs. 14 & 15  
Descending very gentle N. slope over sandy soil, through cactus & shellac brush 2 to 3 ft. high.
  - 22.50 Dry ravine 6 ft. deep, course N. 10° W.
  - 26.70 Dry ravine 8 ft. deep, course N. 30° W.
  - 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 15 in W. & S 14 in E. half, dig pits 18 x 18 x 12 ins. N. & S. of cor. 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$  ft. high W. of cor.
  - 62.00 Dry ravine 40 ft. deep, course N. 10° E.
  - 77.00 Edge of steep bank 50 ft. high, bears S 16° E. and North thence along edge of bank.
  - 79.50 Descend 20 ft. to cor.
  - 80.00 Set an iron post 3 ft. long, 2 ins. in diam, 24 ins. in the ground, for cor. of secs. 10, 11, 14 & 15, with a brass cap marked T 39 N, R 16 W in N. half, S 10 in N.W., S 11 in N.E., S 14 in S.E. & S 15 in S.W. quadrant, and raise a mound of stone 2 ft. base 2 ft. high W. of cor.  
Land rolling, soil sandy, & gravelly, medium texture 2 to 3 ft. deep.  
Undergrowth, cactus & shellac brush.
- 
- East on random line bet. secs. 11, & 14
  - 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
  - 80.08 Intersect N. & S. line 12 lks. S. of cor. of secs. 11, 12, 13 & 14, hereinbefore described.  
Thence I run  
S. 89° 55' W. on true line bet. secs. 11 & 14  
Over rolling gravelly land through shellac brush 2 to 3 ft. high
  - 3.50 Dry wash 10 lks. wide, course N. 45° W.
  - 6.60 Dry wash 20 lks. wide, course N. 30° W.
  - 11.20 Dry wash 30 lks. wide, course N. 45° W.
  - 37.50 Dry wash 60 lks. wide, course N. 40° W.
  - 40.04 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with a brass cap marked  $\frac{1}{4}$  S 11 in N. & S 14 in S. half, and raise a mound of stone 3 ft. base 3 ft. high N. of cor.
  - 45.00 Dry wash 10 lks. wide, course N. 30° W.
  - 50.00 Dry wash 10 lks. wide, course N. 30° W.
  - 70.00 Steep bank 40 ft. high, bears N. 20° W. & S . 30° E., descend to
  - 70.50 Foot of bank, thence over level, sandy land
  - 78.50 Dry wash 40 lks. wide, course N. 20° E.
  - 79.50 Ascend steep bank 30 ft. to cor.
  - 80.08 The cor. of secs. 10, 11, 14 & 15, hereinbefore described.  
Land rolling, soil sandy & gravelly, medium texture, 2 to 3 ft. deep.
- 
- N. 0° 01' W. bet. secs. 10 & 11  
Ascending E. side of steep bank.

SUBDIVISION OF T. 39 N. R. 16 W.

- 0.50 Top of bank, bears S. 10° W. & North, thence along edge of bank to
- 3.00 Descend steep ~~wash~~ bank 50 ft., bears South & N. 10° W.
- 3.50 Base of bank, thence over level, sandy land.
- 4.00 Dry wash 30 lks. wide, course N. 30° W.
- 12.00 Foot of steep bank bears N. 30° W. & S. 30° E. ascend 50 ft.
- 14.20 Top of ascent, thence over rolling, gravelly land through shellac brush 2 to 3 ft high
- 27.00 Dry wash 30 lks wide, course N. 10° W.
- 33.50 Dry wash 10 lks. wide, course W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with a brass cap marked  $\frac{1}{4}$  S 10 in W. & S 11 in E. half and raise a mound of stone 3 ft. base 2 ft. high W. of cor. to
- 41.50 Dry wash 25 lks. wide, course N. 45° W.
- 42.80 Dry ravine 40 ft. deep course S. 10° W.
- 50.60 Wagon road, bears E. & W.
- 65.20 Dry wash 10 lks. wide, course N. 70° W.
- 74.00 Enter thick growth of shellac brush 3 to 4 ft. high, bears E. & W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 & 11, with a brass cap marked T 39 N, R16 W in N. half, S 3 in N.W., S 2 in N.E., S 11 in S.E. & S 10 in S.W. quadrant, dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.  
Land rolling, soil sandy & gravelly, medium texture 2 to 3 ft. deep. Undergrowth shellac brush 2 to 4 ft. high W. of cor.  
-----hereinbefore described-----  
The cor. of secs. 1, 2, 11 & 12, being plainly visible I run for said cor.  
N. 89° 52' E. on random line bet. secs 2 & 11.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.10 Intersect N. & S. line at the cor. of secs. 1, 2, 11 & 12, hereinbefore described, Thence I run  
S. 89° 52' W. on true line bet. secs. 2 & 11  
Over rolling, gravelly land through shellac brush 2 to 3 ft. high with scattering cactus 3 to 4 ft. high.
- 5.00 Old wagon road, bears N. 80° W. & S. 80° E.
- 13.00 Dry wash 15 lks. wide, course S. 45° W.
- 16.50 Dry wash 40 lks. wide, course N. 45° W.
- 39.50 Dry wash 40 lks. wide, course N. 45° W.
- 40.05 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor, with a brass cap marked  $\frac{1}{4}$  S 2 in N. & S 11 in S. half, and raise a mound of stone 3 ft. base 2 ft. high N. of cor.
- 45.00 Dry wash 30 lks. wide, course N. 20° W.
- 51.00 Dry wash 5 lks. wide, course . 20° W.
- 55.00 Dry wash 20 lks. wide, course N. 45° W.
- 64.70 Dry wash 20 lks. wide, course N. 60° W.
- 71.40 Dry wash 5 lks. wide, course N. 50° W.
- 74.00 Enter thick growth of shellac brush 3 to 4 ft. high.
- 80.10 The cor. of secs. 2, 3, 10 & 11, hereinbefore described.  
Land rolling, soil sandy & gravelly, medium texture, 2 to 3 ft. deep Undergrowth cactus & shellac brush.  
-----on N. Edy. of T. 39 N. R. 16 W. recently estab. by me & described in Book A,-----  
The cor. of secs. 2, 3, 34 & 35, being plainly visible, I run for said cor.  
N. 0° 03' E. on true line bet. secs. 2 & 3.  
Over level, sandy land through thick growth of shellac brush 3 to 4 ft. high.
- 10.00 Leave thick growth of shellac brush, thence over rolling gravelly land through shellac brush 2 to 3 ft. high.
- 17.80 Dry wash 18 lks. wide, course N. 20° W.
- 26.70 Dry ravine 20 ft. deep, course N. 30° W.
- 31.70 Descend steep N.E. slope 100 ft. to
- 35.00 Foot of descent, thence over gravelly, washy land
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with a brass cap marked  $\frac{1}{4}$  S 3 in W. & S 2 in E. half, and raise a mound of stone 3 ft. base 2 ft. high W. of cor.
- 44.00 Leave washy land thence ascend 30 ft. to
- 45.00 Top of low ridge, bears E. & W., descend 60 ft. to
- 50.00 Foot of descent thence over level gravelly land to
- 56.50 Dry wash 20 lks wide, course N. 40° W.

## SUBDIVISION OF T. 39 N. R. 16 W.

- 59.10 Wagon road from Littlefield, Ariz. to Mesquite, Nev. bears E. & W.
- 62.00 Wagon road bears N. 45° E & S. 45° W. Enter thick growth of shellac & mesquite brush 6 to 7 ft. high.
- 65.00 Wagon road bears E. & W.
- 69.65 Left bank of Virgin river 6 ft. high, course W. Mesquite dam in river bears W. 7 chs. dist. thence across river by actual measurement water 2 to 4 ft. deep.
- 74.15 Right bank of Virgin River ascend vertical bluff 150 ft. high bears E & W  
Ascend gentle slope through low sage to cor.
- 80.05 Intersect the N. bdy of Tp. at the cor of secs. 2, 3, 34 & 35, recently estab. by me & described in Book A.  
0 to 60 chs. land rolling, soil sandy & gravelly, medium texture 1 to 3 ft. deep, undergrowth shellac brush.  
60 to 69 chs. level river bottom land, loose sandy soil, fine texture, 3 to 4 ft. deep. Undergrowth shellac & mesquite brush.  
69 to 74 chs. quicksand river land.  
74 to 80 chs. slightly rolling land, soil sandy & gravelly to 2 ft. deep. Undergrowth shellac brush.  
Dec. 30, 1912.
- Dec. 31, 1912, At 9 h. 30 M. a.m., 1 m.t. I set off 36° 43½' N. on the let. arc 23° 31' S. on the decl. arc and determine a meridian with the solar at the cor of secs 3, 4, 33 & 34 on the S. bdy. of the Tp., recently estab. by me & described in Book A.  
Thence I run  
N. 0° 02' W. bet. secs. 33 & 34  
Descending gentle N. slope over rocky & sandy land through cactus & shellac brush 2 to 4 ft. high, with scattering yucca trees 5 to 10 ft. high.
- 3.50 Dry wash 15 lks. wide, course N. 20° W.
- 18.25 Dry wash 5 lks. wide, course N. 20° E
- 28.70 Dry wash 15 lks. wide, course N. 30° W.
- 35.50 Dry wash 10 lks. wide, course N. 40° W.
- 39.70 Dry wash 10 lks. wide, course N. 30° W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked ¼ S 33 in W. & S 34 in E. half, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
- 47.50 Dry wash 20 lks. wide, course N. 80° W.
- 61.00 Dry wash 15 lks. wide, course N. 10° W.
- 66.70 Dry wash 10 lks. wide, course N. 40° W.
- 74.60 Dry wash 15 lks. wide, course N. 60° W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 27, 28, 33 & 34, with a brass cap marked T 39 N R 16 W in N. half, S 28 in N.W., & 27 in N.E., S 34 in S.E., & S 33 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.  
Land rolling, soil rocky & sandy, medium texture, 2 to 3 ft. deep. Undergrowth cactus & shellac brush  
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The cor. of secs 26, 27, 34 & 35 <sup>hereinbefore described</sup> being plainly visible, I run for said cor.  
N. 89° 58' E. on random line bet. secs. 27 & 34
- 40.00 Set temp. ¼ sec. cor
- 80.00 Intersect the N. & S. line at the cor. of secs. 26, 27, 34 & 35, hereinbefore described.  
Thence I run  
S. 89° 58' W. on true line bet. secs. 27 & 34  
Over rolling, rocky land through cactus & shellac brush 3 to 4 ft. high
- 0.50 Dry wash 20 lks. wide, course N.
- 8.00 Dry wash 5 lks. wide, course N. 10° E.
- 9.50 Wagon road, bears S. 20° E & N. 20° W.
- 16.00 Dry wash 5 lks. wide, course N.
- 21.00 Dry wash 10 lks. wide, course N. 20° W.
- 28.00 Dry wash 5 lks. wide, course N.
- 30.00 Dry wash 20 lks. wide, course N. 20° W.
- 38.00 Dry wash 7 lks. wide, course N.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked ¼ S 27 in N. & S 34 in S. half, and raise a mound of stone 3 ft. base 3 ft. high N. of cor.
- 47.00 Dry wash 10 lks. wide, course N. 10° W.

## SUBDIVISION OF T. 39 N. R. 16 W.

54.00	Dry wash 10 lks. wide, course N. 10° W.
63.00	Dry wash 10 lks. wide, course N. 10° E.
70.00	Dry wash 30 lks. wide, course N.
74.50	Dry wash 5 lks. wide, course N. 20° E.
79.00	Dry wash 20 lks. wide, course N. 10° E.
80.00	The cor. of secs. 27, 28, 33 & 34, hereinbefore described. Land rolling, soil sandy & rocky, medium texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush.
	-----
	N. 0° 02' W. bet. secs. 27 & 28. Over rolling gravelly land through cactus & shellac brush 1 to 4 ft. high.
11.50	Dry wash 10 lks. wide, course N. 10° E.
21.50	Dry wash 25 lks. wide, course N. 45° W.
38.70	Same dry wash 20 lks. wide, course N. 5° E.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 28 in W. & S 27 in E. half, and raise a mound of stone 3 ft. base 2 ft. high W. of cor.
49.60	Wagon road, bears N. 10° E. & S 10° W.
73.60	Dry wash 5 lks. wide, course N. 30° W.
80.00	Set an iron post 3 ft. long, 2 ins. <sup>in diam.</sup> in the ground for cor. of secs. 21, 22, 27 & 28, with a brass cap marked T 39 N R 16 W in N. half, S 21 in N.W., S 22 in N.E., S 27 in S.E. & S 28 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor. Land rolling, soil rocky & sandy, coarse texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush.
	----- hereinbefore described -----
	The cor. of secs. 22, 23, 26 & 27 <sup>being</sup> plainly visible, I run for said cor.
	S. 89° 59' E. on a random line bet. secs. 22 & 27
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.86	Intersect N. & S. line at the cor. of secs. 22, 23, 26 & 27, hereinbefore described, thence I run N. 89° 59' W. on a true line bet. secs. 22 & 27 Over rolling, rocky land through cactus & shellac brush 2 to 3 ft. high.
3.75	Dry wash 5 lks. wide, course N. 10° W.
11.50	Dry wash 20 lks. wide, course N. 10° W.
35.50	Wagon road, bears N. 10° E. & S. 10° W.
37.50	Dry wash 30 lks. wide, course N.
39.93	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 22 in N. & S 27 in S. half, and raise a mound of stone 3 ft. base 2 ft. high N. of cor.
42.50	Dry wash 20 lks. wide, course N. 10° E.
60.00	Dry wash 20 lks. wide, course North.
70.00	Dry wash 10 lks. wide, course N. 45° E.
75.00	Dry wash 7 lks. wide, course N. 30° E.
77.00	Old wagon road, bears N. 10° E. & S. 10° W.
79.86	The cor. of secs. 21, 22, 27 & 28, hereinbefore described. Land rolling, soil sandy & rocky, medium texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush.
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	N. 0° 02' W. bet. secs. 21 & 22 Over rolling rocky land, through shellac brush 1 to 3 ft. high.
12.00	Leave rocky land bears E. & W. thence over gravelly land 2 to 3 ft. deep.
18.50	Dry wash 20 lks. wide, course N. 30° E.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 21 in W. & S 22 in E. half, dig pits 18 x 18 x 12 ins. N. & S. of cor. 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high W. of cor.
79.60	Dry wash 15 lks. wide, course N. 20° W.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 15, 16, 21 & 22, with a brass cap marked T 39 N R 16 W in N. half, S 16 in N.W., S 15 in N.E., S 22 in S.E. & S 21 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor. Land rolling, soil sandy & rocky, medium texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush.
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	S. 89° 59' E. on a random line bet. secs. 15 & 22

SUBDIVISION OF T. 39 N. R. 16 W.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.86 Intersect N. & S. line 2 lks. N. of cor. of secs. 14, 15, 22 & 23, hereinbefore described.  
 Thence I run  
 N.  $89^{\circ} 58'$  W. on <sup>a</sup>true line bet. secs. 15 & 22  
 Over slightly rolling, gravelly land through cactus & shellac brush 2 to 3 ft. high.  
 10.10 Dry wash 20 lks. wide, course N.  $10^{\circ}$  W.  
 16.50 Dry wash 10 lks. wide, course N.  $10^{\circ}$  W.  
 38.80 Dry wash 50 lks. wide, course N.  $30^{\circ}$  W.  
 39.93 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 15 in N. & S 22 in S. half, and raise a mound of stone 3 ft. base 2 ft. high N. of cor.  
 46.50 Dry wash 60 lks. wide, course N.  $10^{\circ}$  W.  
 61.50 Wagon road, bears N.  $10^{\circ}$  W. & S.  $10^{\circ}$  E.  
 66.50 Dry wash 30 lks. wide, course N.  $30^{\circ}$  E.  
 75.65 Wagon road, bears N.  $30^{\circ}$  W. & S.  $30^{\circ}$  E.  
 79.86 The cor. of secs. 15, 16, 21 & 22, hereinbefore described.  
 Land gently sloping to West.  
 Soil sandy & gravelly, medium texture 2 to 4 ft. deep.  
 Undergrowth cactus & shellac brush.

Dec. 31, 1912.

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 Jan .1, 1913. At 8 h. 30 m. a.m. l.m.t. I set off  $36^{\circ} 46\frac{1}{2}'$  N on the 1st. arc,  $22^{\circ} 58'$  S. on the decl. arc and determine with the solar a meridian at the cor. of secs. 15, 16, 21 & 22 hereinbefore described, Thence I run  
 N.  $0^{\circ} 02'$  W. bet. secs. 15 & 16  
 Over rolling, sandy land, through shellac brush 2 to 3 ft. high.  
 3.00 Wagon road, bears N.  $45^{\circ}$  W. & S.  $45^{\circ}$  E.  
 9.75 Dry wash 15 lks. wide, course N.  $20^{\circ}$  W.  
 15.00 Dry wash 15 lks. wide, course N.  $45^{\circ}$  W.  
 24.60 Dry wash 40 lks. wide, course N.  $30^{\circ}$  W.  
 36.00 ~~-----~~ Dry wash 30 lks. wide, course N.  $40^{\circ}$  W.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 16 in W. & S 15 in E. half, and raise a mound of stone 3 ft. base 2 ft. high W. of cor.  
 40.60 Dry wash 40 lks. wide, course N  $45^{\circ}$  W  
 42.00 Ascend 30 ft. to  
 46.00 Top of spur slopes W. descend 30 ft. to  
 47.10 Foot of descent, dry wash 70 lks. wide, course N.  $5^{\circ}$  W.  
 51.70 Ascend 40 ft. to  
 55.60 Top of ridge bears E. & W. descending 75 ft. to  
 57.00 Dry wash 40 lks. wide, course N.  $30^{\circ}$  W.  
 70.20 Dry wash 20 lks. wide, course N.  $40^{\circ}$  W.  
 76.00 Dry wash 30 lks. wide, course W.  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 9, 10, 15, & 16, with a brass cap marked  $\frac{1}{4}$  39 N R 16 W in N. half; S 9 in N.W., S 10 in N.E., S 15 in S.E. & S 16 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.  
 Land rolling, soil sandy & gravelly, medium texture 2 to 3 ft. deep.

-----  
 S  $89^{\circ} 58'$  E. on <sup>a</sup>random line bet. secs. 10 & 15  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.92 Intersect N. & S. line 7 lks. S of cor. of secs. 10, 11, 14 & 15, hereinbefore described.  
 Thence I run  
 S.  $89^{\circ} 59'$  W. on <sup>a</sup>true line bet. secs 10 & 15  
 Ascend 20 ft. to  
 0.50 Top of bank, bears N. & S. thence over slightly rolling land through shellac brush 2 to 3 ft. high.  
 6.80 Dry ravine 20 ft. deep, course N  $20^{\circ}$  E.  
 30.00 Dry wash 10 lks. wide, course N.  $40^{\circ}$  W.  
 39.96 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 10 in N. & S 15 in S. half and raise a mound of stone 3 ft. base 2 ft. high N. of cor.  
 46.50 Dry wash 40 lks. wide, course N.  $20^{\circ}$  W.  
 63.50 Dry ravine 6 ft. deep, course N.  $10^{\circ}$  E.  
 74.00 Descend W. slope 60 ft. to cor.

SUBDIVISION OF T. 39 N. R. 16 W.

- 79.92 The cor. of secs. 9, 10, 15 & 16 ~~hereinbefore~~ described  
Land rolling, soil sandy & gravelly, medium texture 1 to 3 ft. deep. Undergrowth cactus & shellac brush.
- 
- N. 0° 02' W. bet. secs. 9 & 10  
Ascending S.W. slope 60 ft. to
- 6.50 Top of ridge bears N. 30° W. & S. 30° E. thence over rolling land through shellac brush 1 to 2 ft. high.
- 9.00 Dry wash 3 lks. wide, course W.
- 13.00 Dry wash 10 lks. wide, course W.
- 15.80 Dry wash 50 lks. wide, course W.
- 19.00 Leave rolling land thence over level land bears E. & W.
- 39.80 Edge of bluff, bears E. & W. descend 200 ft.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with a brass cap marked  $\frac{1}{4}$  S 9 in W. & S 10 in E. half, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
- 45.00 Foot of bluff, thence over level river bottom land through shellac brush 3 to 4 ft. high
- 47.40 Wire fence bears E. & W. enter Steve Bowman's field
- 57.10 Small irrigation ditch 5 lks. wide, bears E. & W.
- 57.50 Enter cultivated land bears E. & W.
- 80.00 Steve Bowman's house, bears N. 65 $\frac{1}{2}$ ° E. 20 chs. dist.  
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 3, 4, 9 & 10, with a brass cap marked T 39 N R 16 W in N. half, S 4 in N.W., S 3 in N.E., S 10 in S.E., & S 9 in S.W. 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.
- S. 40 chs. land rolling, soil sandy & gravelly, medium texture 1 to 2 ft. deep.
- N. 40 chs. level bottom land, rich sandy loam, soil fine texture 3 to 4 ft. deep. Undergrowth shellac brush.
- 
- At the above cor. I set off 22° 59' S. on the decl. arc and at 12 h. 3 m. 34 s. observe the sun on the meridian and obtain the reading 36° 48' N. from the lat. arc, which agrees with other data. Thence I run
- N. 89° 59' E. on a random line bet. secs. 3 & 10
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.80 Intersect the N. & S. line 2 lks. N. of cor. of secs. 2, 3, 10 & 11, hereinbefore described.  
Thence I run
- West on true line bet. secs. 3 & 10
- Over level land through thick shellac brush 3 to 4 ft. high.
- 10.00 Leave thick shellac brush, thence over rolling land through shellac brush 2 to 3 ft. high.
- 30.00 Top of rimrock, bears N. & S. descend 150 ft.
- 35.00 Foot of descent, thence over level bottom, thru shellac brush 4 to 6 ft. high.
- 36.00 Dry wash, 30 lks. wide, course N. 30° W.
- 37.50 Wagon road bet. N.W. & S.E. corners.
- 39.90 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 3 in N. & S 10 in S. half, and raise a mound of stone 3 ft. base, 2 ft. high, N. of cor.
- 46.50 Dry wash 20 lks. wide, course N. 30° W.
- 53.00 Wire fence bears N. 10° E. & S. 10° W.  
Enter Steve Bowman's field
- 61.50 Old irrigation ditch 5 lks. wide, 4 ft. deep, course S.
- 65.00 Irrigation ditch 3 lks. wide, course S. 30° W.
- 70.00 Enter cultivated land bears N. & S.
- 79.80 The cor. of secs. 3, 4, 9 & 10, hereinbefore described.  
E. 40 chs. rolling land, sandy & gravelly, soil medium texture, 2 to 3 ft. deep.  
W. 40 chs. land rich, sandy loam, fine texture 3 to 4 ft. deep. Undergrowth shellac brush.
- 
- on the N. by of T. recently estab. by me & described in Book A
- The cor. of secs. 3, 4, 33 & 34 being plainly visible, I run for said cor.
- N. 0° 06' W. on a true line bet. secs. 3 & 4
- Over level bottom land through cultivated field
- 5.50 Left bank of Virgin River 15 ft. high, course W. thence across stream by actual measurement water 2 to 3 ft. deep.
- 6.70 Leave water thence over sand bar in bed of river.
- 30.05 Wagon road, from Littlefield, Ariz. to Mesquite Nev., bears E. & W.

## Subdivision of T. 39 N. R. 16 W.

- 31.40 Right bank of river, 3 ft. high mouth of spillway from irrigation ditch bears E. 10 lks. dist.
- 32.00 Cor of wire fence bears W. 15 lks. <sup>Cultivated</sup> land bears W. & N. thence parallel said fence through undergrowth of weeds 6 to 8 ft. high.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 4 in W. & S 3 in E. half, and raise a mound of stone 3 ft. base, 2 ft. high W. of cor.
- 43.00 Sylvester's house, bears N.  $83\frac{1}{2}^{\circ}$  E.
- 46.50 Corner of wire fence bears W. 15 lks., fence turns N,  $70^{\circ}$  W.
- 46.70 Wagon road, N.  $70^{\circ}$  W. & S.  $70^{\circ}$  E.
- 47.60 Irrigation ditch 15 lks. wide, course W.
- 51.30 Wire fence bears N.  $45^{\circ}$  E & S.  $45^{\circ}$  W.
- 59.00 Mesquite irrigation ditch 10 lks. wide, course W.
- 62.00 Wagon road, bears E. & W.
- 67.00 Wire fence on row of cottonwood trees bears N.  $70^{\circ}$  W. & S.  $70^{\circ}$  E.
- 67.10 Small irrigation ditch 3 lks. wide, course N,  $70^{\circ}$  W.
- 77.50 Leave bottom land, bears E. & W. ascend 100 ft. to cor.
- 80.10 Intersect the N. by or Tp. at the cor. of secs. 3, 4, 33 & 34. 0 to 5 & 32 to 78 chs. level bottom land, loose sandy soil, fine texture 3 to 4 ft. deep. (recently established by me and described in Book A)
- 5 to 32 quicksand river bed.

Jan. 1, 1913.

- Jan. 2, 1913 At 10 h. 0 m. a.m. 1 m.t. I set off  $36^{\circ} 43\frac{1}{2}'$  N. on the lat. arc  $22^{\circ} 54'$  S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 4, 5, 32 & 33, on the S. Edge of the Tp. recently established by me & described in Book A, Thence I run N.  $0^{\circ} 03'$  W. bet. secs. 32 & 33
- Descending gentle N. slope over slightly rolling, rocky land through cactus & shellac brush 2 to 3 ft. high.
- 15.60 Dry wash 10 lks. wide, course N.  $20^{\circ}$  W.
- 29.90 Dry wash 10 lks. wide, course N.  $30^{\circ}$  W.
- 36.00 Dry wash 20 lks. wide, course N.  $45^{\circ}$  W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 32 in W. & S 33 in E. half, and raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.
- 64.80 Dry wash 15 lks. wide, course N.  $45^{\circ}$  W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 28, 29, 32 & 33, with a brass cap marked T 39 N R 16 W in N. half, S 29 in N.W., S 28 in N.E., S 33 in S.E., & S 32 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
- Land rolling, soil rocky & sandy, medium texture, 2 to 3 ft. deep. Undergrowth cactus & shellac brush
- 
- East on a random line bet. secs. 28 & 33
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.02 Intersect N. & S. line 3 lks. N. of cor. of secs. 27, 28, 33 & 34, hereinbefore described.
- Thence I run N.  $89^{\circ} 59'$  W. on a true line bet. secs. 28 & 33
- Over rolling, rocky land through cactus & shellac brush
- 1.50 Dry wash 15 lks. wide, course N.
- 9.75 Dry wash 20 lks. wide, course N.  $5^{\circ}$  W.
- 13.50 Dry wash 20 lks. wide, course North
- 17.00 Dry wash 15 lks. wide, course N.  $5^{\circ}$  W.
- 25.00 Dry wash 10 lks. wide, course N.  $20^{\circ}$  W.
- 34.50 Dry wash 10 lks. wide, course North.
- 40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 28 in N. & S 33 in S. half, and raise a mound of stone 3 ft. base, 3 ft. high, N. of cor.
- 56.00 Dry wash 15 lks. wide, course N.  $10^{\circ}$  W.
- 72.00 Dry wash 10 lks. wide, course North.
- 76.00 Dry wash 20 lks. wide, course North
- 79.25 Dry wash 10 lks. wide, course North.
- 80.02 The cor. of secs. 28, 29, 32 & 33, hereinbefore described.
- Land level, soil sandy & rocky, medium texture, 2 to 3 ft. deep.
- Undergrowth cactus & shellac brush.
- 
- West bet. secs. 29 & 32
- Over rolling, rocky land through cactus & shellac brush 2 to



## SUBDIVISION OF T. 39 N. R. 16 W.

	3 ft. high.
6.50	Dry wash 10 lks. wide, course N.
9.00	Dry wash 20 lks. wide, course N. 20° E.
19.50	Dry wash 30 lks. wide, course N. 10° W.
20.40	Dry wash 20 lks. wide, course N. 10° E.
27.30	Dry wash 10 lks. wide, course North.
31.50	Dry wash 15 lks. wide, course N. 30° W.
37.40	Dry ravine 10 ft. deep N. 10° E.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 29 in N. & S 32 in S. half, and raise a mound of stone 3 ft. high, base, 3 ft. high, N. of cor.
41.20	Dry ravine 8 ft. deep, course N.
54.00	Dry ravine 8 ft. deep, course N. 10° E.
59.50	Wagon road, bears N. 30° W & S. 30° E.
61.50	Dry ravine 8 ft. deep, course N. 40° E.
62.03	Intersect Nevada, - Arizona <sup>State</sup> bdy. line 8.91 chs., N. 0° 56' E. of mile cor. 318, recently re-established by <del>me</del> a described hereinafter. At pt. of intersection I set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 29 & 32, with a brass cap marked CC W. of center, T 39 N S 29 in N.E., & R 16 W S 32 in S.E. quadrant, and raise a mound of stone 3 ft. base, 3 ft high, E. of cor. Land rolling, soil rocky, & sandy, medium texture 2 to 3 ft. deep. Undergrowth, cactus & shellac brush.
	-----
	N. 0° 03' W. bet. secs. 28 & 29
	Descend gentle N. slope over rocky gravelly land through cactus & shellac brush 3 to 4 ft. high.
9.80	Dry wash 10 lks. wide, course N. 45° W.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 29 in W. & S 28 in E. half, and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
65.00	Dry wash 10 lks. wide, course N. 45° W.
70.00	Dry wash 5 lks. wide, course N. 10° W.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 20, 21, 28 & 29, with a brass cap marked T 39 N R 16 W in N. half, S 20 in N.W., S 21 in N.E., S 28 in S.E., & S 29 in S.W. quadrant, and raise a mound of stone 3 ft. base, 3 ft high, W. of cor. Land slightly rolling, soil sandy & gravelly with scattering rock, medium texture 2 to 3 ft. deep. Undergrowth, cactus & shellac brush.
	-----
	S. 89° 59' E on $\frac{1}{2}$ random line bet. secs. 21 & 28
40.00	Set temp $\frac{1}{4}$ sec. cor.
80.02	Intersect the N. & S. line at the cor. of secs. 21, 22, 27 & 28, <del>hereinbefore described</del> , Thence I run
	N. 89° 59' W. on $\frac{1}{2}$ true line bet. secs. 21 & 28
	Over slightly rolling gravelly land, through cactus & shellac brush 2 to 3 ft. high.
6.00	Dry wash 10 lks. wide, course N. 10° W.
14.50	Dry wash 5 lks. wide, course N. 45° W.
22.00	Dry wash 20 lks. wide course N. 20° E
35.00	Dry wash 15 lks. wide, course N. 20° E.
40.01	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 21 in N. & S 28 in S. half, dig pits 18 x 18 x 12 ins. E. & W. of cor. 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft, high N. of cor.
40.50	Dry wash 15 lks. wide, course N. 20° W.
42.30	Dry wash 10 lks. wide, course N. 20° W.
43.30	Dry wash 15 lks. wide, course N.
51.30	Dry wash 15 lks. wide, course N. 20° E.
53.80	Dry wash 15 lks. wide, course N. 20° E.
62.00	Dry wash 15 lks. wide, course N. 10° E.
69.70	Dry wash 10 lks. wide, course N. 20° W.
73.50	Dry wash 30 lks. wide, course N. 10° E.
79.00	Dry wash 10 lks. wide, course N.
80.02	The cor. of secs. 20, 21, 28 & 29, hereinbefore described. Land slightly rolling, soil sandy & gravelly, medium texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush.
	-----
	West bet. secs. 20 & 29
	Over rolling gravelly land through cactus & shellac brush 2 to 6 ft. high



SUBDIVISION OF T. 39 N. R. 16 W.

3.50 Dry wash 15 lks. wide, course N. 10° W.  
10.20 Dry wash 5 lks. wide, course N. 30° W.  
14.00 Dry wash 15 lks. wide, course N.  
22.00 Dry wash 10 lks. wide, course N. 20° W.  
28.60 Dry wash 15 lks. wide, course N. 10° W.  
32.50 Dry wash 20 lks. wide, course N. 10° E.  
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 20 in N. & S 29 in S. half, and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.  
49.00 Dry ravine 7 ft. deep ascend N. 10° W.  
50.70 Dry wash 20 lks. wide, course N. 10° E.  
53.90 Dry wash 10 lks. wide, course N. 20° W.  
60.65 Intersect the Nevada, - Arizona <sup>State</sup> Dry. 8.42 chs. N. 0° 31' E. or mile cor. 317, recently re-established by me & hereinafter described, At pt. of intersection I set an iron post 3 ft. long, 2 ins. in diam, 24 ins. in the ground, for closing cor. of secs. 20 & 29, with a brass cap marked C C West of center, T 39 N S 20 in N.E., & R 16 W S 29 in S.E. quadrant, and raise a mound of stone 3 ft. base, 3 ft. high, E. of cor.  
Land rolling, soil sandy & gravelly, medium texture 2 to 3 ft. deep.  
Undergrowth, cactus & shellac brush.  
-----  
From the cor. of secs. 20, 21, 28 & 29, hereinbefore described, I run, N. 0° 03' W. bet. secs. 20 & 21  
Over gently rolling gravelly land through cactus & shellac brush 2 to 3 ft. high.  
3.00 Dry wash 10 lks. wide, course N. 30° W.  
31.70 Dry wash 15 lks. wide, course N. 30° W.  
37.10 Dry wash 35 lks. wide, course N. 45° W.  
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 20 in W. & S 21 in E. half, and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.  
45.60 Dry wash 5 lks. wide, course N. 40° E  
49.50 Dry wash 20 lks. wide course N. 20° E  
65.20 Dry wash 5 lks. wide, course E.  
80.00 Set an iron post 3 ft. long, 2 ins. in diam, 24 ins. in the ground for cor. of secs. 16, 17, 20 & 21, with a brass cap marked T 39 N R 16 W in N. half, S 17 in N.W., S 16 in N.E., S 21 in S.E., & S 20 in S.W. quadrant, and raise a mound of stone 2 ft. base, 2 ft. high, W. of cor.  
Gently rolling N. slope land sandy & gravelly, medium texture 2 to 3 ft. deep. Undergrowth, cactus & shellac brush.  
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S. 89° 59' E. on<sup>a</sup> random line bet. secs. 16 & 21  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.04 Intersect the N. & S. line 5 lks. N. of cor. of secs. 15, 16, 21 & 22, hereinbefore described.  
Thence I run  
N. 89° 57' W. on<sup>a</sup> true line bet. secs. 16 & 21  
Over slightly rolling land through shellac brush 1 to 2 ft. high t.  
0.50 Dry wash, 15 lks. wide, course N.W.  
26.50 Dry wash 40 lks. wide, course N. 20° E.  
40.02 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 16 in N. & S 21 in S. half, and raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.  
41.50 Dry wash 40 lks. wide, course N. 30° E.  
50.50 Dry wash 15 lks. wide, course N. 20° E.  
52.50 Dry wash 40 lks. wide, course N.  
61.50 Dry wash 40 lks. wide, course N.  
65.10 Dry wash 20 lks. wide, course N.  
76.30 Dry wash 15 lks. wide, course N. 20° E.  
80.04 The cor. of secs. 16, 17, 20 & 21, hereinbefore described.  
Land slightly rolling soil gravelly & sandy, medium texture. 2 to 3 ft. deep. Undergrpwth shellac brush. Jan. 2, 1913.  
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Jan, 3, 1913 At 9 h. 30 m. a.m. 1 m.t. I set off 36° 46' N on the lat. arc, 22° 48' S. on the decl. arc and determine with the solar a meridian at the cor. of secs. 16, 17, 20 & 21, hereinbefore described  
Thence I run  
West bet. secs. 17 & 20  
Over slightly rolling, gravelly land through cactus & shellac brush 1 to 4 ft. high.

## SUBDIVISION OF T. 39 N. R. 16 W.

2.50	Dry wash 5 lks. wide, course N.
6.50	Dry wash 10 lks. wide, course N. 30° W,
9.00	Dry wash 20 lks. wide, course N. 10° W.
14.90	Dry wash 5 lks. wide, course N. 10° W,
21.70	Dry wash 30 lks. wide, course N. 30° W.
26.20	Dry ravine 7 ft. deep, course N. 45° E.
34.80	Dry wash 20 lks. wide, course N.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. with a brass cap, marked $\frac{1}{4}$ S 17 in N. & S 20 in S. half, dig pits 18 x 18 x 12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
41.00	Dry wash 40 lks. wide, course N. 20° E.
45.00	Dry wash 5 lks. wide, course N.
57.50	Dry wash 20 lks. wide, course N. 30° W.
59.61	Intersect the Nevada, - Arizona <sup>state</sup> bay. line 7.90 chs. N. 0° 31' E. of mile cor. 316, <del>recently re-established by me &amp; herein after described.</del> At point of intersection I set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 17 & 20, with a brass cap marked CC west of center, T 39 N S 17 in N.E., & R 16 W, S 20 in S.E. quadrant, and raise a mound of stone 2 ft. base, 2 ft. high, E. of cor. Land rolling, soil sandy & gravelly, medium texture 2 to 3 ft. deep. Undergrowth, cactus & shellac brush.
	----- From the cor. of secs. 16, 17, 20 & 21, hereinbefore described, I run N. 0° 03' W. bet. secs. 16 & 17 Descending gentle N. slope over gravelly land through shellac brush 2 to 3 ft. high.
13.50	Dry wash 15 lks. wide, course N. 10° E.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. with a brass cap, marked $\frac{1}{4}$ S 17 in W. & S 16 in E. half, dig pits 18 x 18 x 12 ins., N. & S. of cor. 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
62.50	Dry wash 40 lks. wide, course N. 35° E.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs., 8, 9, 16 & 17, with a brass cap, marked E 39 N R 16 W in N. half, S 8 in N.W., S 9 in N.E., S 16 in S.E., & S 17 in S.W. 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, soil sandy & gravelly, medium texture, 2 to 3 ft. deep. Undergrowth shellac brush.
	----- S. 89° 57' E. on random line bet. secs. 9 & 16
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect the N. & S. line 9 lks. N. of cor. of secs. 9, 10, 15 & 16, hereinbefore described. Thence I run N. 89° 53' W. on true line bet. secs. 9 & 16 Descending gentle W. slope through shellac brush 1 to 2 ft. high
3.00	Dry wash 100 lks. wide, course N. ascend E. slope 75 ft. to
5.00	Top of ascent, thence over rolling gravelly land
11.00	Dry wash 15 lks. wide, course N. 10° W.
19.00	Dry ravine 15 ft. deep, course N. 20° E.
22.00	Dry ravine 40 ft. deep, course N.
39.00	Dry wash 10 lks. wide, course N. 20° W.
40.05	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 9 in N. & S 16 in S. half, dig pits 18 x 18 x 12 ins. E. & W. of cor. 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
63.00	Dry wash 30 lks. wide, course N.
68.00	Dry wash 30 lks. wide, course N. 40° W.
72.00	Road bears 30 W. & S. side, course N. 40° W.
74.00	Dry wash 40 lks. wide, course N. 10° W.
80.10	The cor. of secs. 8, 9, 16 & 17, hereinbefore described. Land rolling, soil sandy & gravelly, medium texture 2 to 3 ft. deep. Undergrowth shellac brush.
	----- West bet. secs. 8 & 17 Over rolling gravelly land through shellac brush 1 to 2 ft. high
4.20	Dry wash 20 lks. wide, course N.
4.80	Dry wash 40 lks. wide, course N. 10° E.

## SUBDIVISION OF T. 39 N. R. 16 W.

- 19.20 Dry wash 50 lks. wide, course N. 15° W.  
 26.10 Dry wash 20 lks. wide, course N. 20° W.  
 28.80 Dry wash 20 lks. wide, course N. 20° E.  
 39.50 Dry wash 40 lks. wide, course N. 60° W.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with a brass cap marked  $\frac{1}{4}$  S 8 in N & S 17 in S half and raise a mound of stone 3 ft. base 3 ft. high N. of cor.  
 42.50 Dry wash 20 lks. wide, course N.  
 57.50 Dry wash 15 lks. wide, course N.  
 58.67 Intersect the Nevada-Arizona<sup>State</sup> Bdy. line 7.43 chs. N. 0° 28' W. of mile cor. 315, recently re-established by me & hereinafter described. At pt. of intersection I set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 8 & 17, with a brass cap marked CC West of center, T 39 N S 8 in N.E., & R 16 W S 17 in S.E. quadrant, and raise a mound of stone 2 ft. base, 2 ft. high, E. of cor.  
 Land rolling, soil gravelly & sandy, medium texture, 1 to 2 ft. deep. Undergrowth shellac brush.  
 -----  
 From the cor. of secs. 8, 9, 16 & 17, hereinbefore described, I run N. 0° 03' W. bet. secs. 8 & 9  
 Over rolling gravelly land, through shellac brush 1 to 2 ft. high.  
 9.00 Dry wash 25 lks. wide, course N. 45° E.  
 18.00 Wagon road, bears N. 45° W & S. 45° E.  
 20.00 Dry wash 60 lks. wide, course N.W.  
 31.00 Ascend S.W. slope 30 ft. to  
 32.50 Top of low ridge bears N. 45° W & S. 45° E. thence over rolling land.  
 36.50 Dry wash 15 lks. wide, course N. 45° E.  
 38.70 Dry wash 5 lks. wide, course N. 45° E.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S. 8 in W. & S 9 in E. half, and raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.  
 46.50 Descend 50 ft. along E. slope to  
 49.60 Dry wash 40 lks. wide, course N. 30° W, ascend 50. ft. to  
 52.50 Top of ridge, bears N. 20° W & S. 20° E. thence over rolling gravelly land  
 63.00 Descend 40 ft. along E. slope to  
 66.00 Dry wash 15 lks. wide, course N. 45° W. ascend 36 ft. to.  
 67.00 Top of narrow ridge bears E. & W., descend steep N. slope 160 ft. to  
 69.00 Base of descent  
 69.40 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for Witness Cor. to cor. of secs. 4, 5, 8 & 9, with a brass cap marked W C S. of center, T 39 N R 16 W in N. half, S 5 in N.W., S 4 in N.E., S 9 in S.E., & S 8 in S.W. quadrant, and raise a mound of stone 3 ft. base, 3 ft. high, W. of post:  
 69.90 Left bank of Virgin River 12 ft. high, thence across stream by actual measurement, water 2 to 3 ft. deep. course W.  
 71.50 Leave water, thence over low sand bank in bed of river.  
 80.00 The point for the cor. of secs. 4, 5, 8 & 9 falls on sand bar in river bed, impractical to set iron post.  
 S 70 chs. rolling & broken land. Soil sandy & gravelly, medium texture. Undergrowth shellac brush.  
 N. 10 chs. quick sand river bed.  
 -----  
 At above cor. point, I set off 22° 48' S on the decl. arc and at 12 h. 4 m. 30 s. p.m., l.m.t., observe the sun on the meridian and obtain the reading 36° 48' on the lat. arc, which agrees with other data. Thence I run  
 S. 89° 53' E. on a random line bet. secs. 4 & 9  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.14 Intersect the N. & S. line 7 lks. N. of the cor. of secs. 3, 4, 9 & 10, hereinbefore described.  
 Thence I run  
 N. 89° 50' W. on a true line bet. secs. 4 & 9  
 Over cultivated land.  
 14.40 Wire fence bears N. & S., leave cultivated land thence over sandy bottom land through shellac brush 3 to 7 ft. high.  
 17.30 Old irrigation ditch 15 ft. deep, 30 lks. wide, course S. 70° W.  
 40.07 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the

## SUBDIVISION OF T. 39. N. R. 16 W.

- ground, for  $\frac{1}{4}$  sec. cor., with a brass cap marked  $\frac{1}{4}$  S 4 in N. & S 9 in S. half, dig pits 18 x 18 x 12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 56.00 Left bank of Virgin River 8 ft. high bears N.  $70^{\circ}$  E & S.  $70^{\circ}$  W. thence over sand bar.
- 58.30 Left edge of stream, thence across water by actual measurement water 1 to 2 ft. deep; course S.  $70^{\circ}$  W.
- 59.80 Leave water, thence over low sand bar in bed of <sup>Virgin</sup> river.
- 80.14 The point for cor. of secs. 4, 5, 8 & 9 in bed of Virgin River E. 58 chs. level bottom land, soil loose sandy loam, fine texture, 4 to 5 ft. deep. Undergrowth shellac brush. W. 22 chs. quicksand river bed.
- From true point for cor. of secs. 4, 5, 8 & 9, I run West bet. secs. 5 & 8
- 40.00 Over low sand bar in river bed  
Point for  $\frac{1}{4}$  sec. cor. falls on low sand bar in bed of river impractical to set cor., therefore at 8.70 chs. N.  $0^{\circ}$  03' W. from point for  $\frac{1}{4}$  sec. cor. on small island 5 ft. above river channel, set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for witness cor. to  $\frac{1}{4}$  sec. cor., with a brass cap marked WC S. or center  $\frac{1}{4}$  S 5 in N & S 8 in S. half, dig pits 18 x 18 x 12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of ~~stone~~ earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high N. of cor. and at 14.60 chs. S  $0^{\circ}$  03' E. from point for  $\frac{1}{4}$  sec. cor. on left bank of river 12 ft. above river bed I set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for Witness Cor. to  $\frac{1}{4}$  sec. cor. with a brass cap marked WC N. or center,  $\frac{1}{4}$  S 5 in N. & S 8 in S. half, dig pits 18 x 18 x 12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of post.
- 59.27 Intersect the Nevada-Arizona <sup>state</sup> bdy. line 10.16 chs. N.  $0^{\circ}$  28' W. of <sup>true</sup> point for mile cor. 314. The above described point of intersection falling on low sand bar in bed of river impractical to set cor., therefore, I set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, on the <sup>state</sup> bdy. line 8.30 chs. N.  $0^{\circ}$  28' W. <sup>of true point for closing cor.</sup> on small island 4 ft. above channel of river, for witness cor. to closing cor. of secs. 5 & 8, with a brass cap marked WC CC W. of center, T 39 N S 5 in N.E., R 16 W S 8 in S.E. quadrant, dig pits 24 x 18 x 12 ins. crosswise, on each line N. & S. 3 ft. dist. and E. 7 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, E. of cor.  
Quick sand river bed.
- From the <sup>true</sup> point for cor. of secs. 4, 5, 8 & 9, the cor. of secs. 4, 5, 32 & 33, recently estab. by me & described in Book A, being plainly visible, I run N.  $0^{\circ}$  03' W. bet. secs. 4 & 5
- Over low sand bar in river channel.  
Stephen Levy's house bears N.  $9\frac{1}{2}^{\circ}$  E.  
K. Johnson's house bears N.  $25^{\circ}$  E.  
Levi Johnson's house bears N.  $39\frac{1}{4}^{\circ}$  E.
- 37.50 Right bank of Virgin River 3 ft. high, bears E. & W., thence over low bottom land subject to overflow, through shellac brush 5 ft. 4 ft. to 5 ft. high.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor. with a brass cap marked  $\frac{1}{4}$  S 5 in W. & S. 4 in E. half, dig pits 18 x 18 x 12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high W. of cor.
- 41.70 Wagon road, bears E. & W.
- 42.10 Ascend bank 6 ft. high, bears E. & W.
- 42.20 Wire fence bears E. & W. into Stephen Levy's field.
- 42.21 Stephen Levy's house, bears N.  $7\frac{1}{2}^{\circ}$  E.  
K. Johnson's house bears N.  $81\frac{1}{4}^{\circ}$  E. Levi Johnson's house bears N.  $78^{\circ}$  E.
- Thence across ploughed land
- 47.10 Wire fence bears E. & W. over cultivated field.
- 48.70 Wagon road, bears E. & W.
- 49.00 Mesquite irrigation ditch 15 lks. wide 4 ft. deep; course W., thence asc.  $70^{\circ}$  E. over rolling land
- 55.00 Dry wash, 15 lks. wide; course S.  $45^{\circ}$  W. N.
- 57.50 Wagon road bears N.E. & S.W. course S.  $45^{\circ}$  W.
- 60.00 Top of slope thence over level sandy land
- 60.40 Telephone line from Littlefield, Arizona, to Mesquite, Nevada bears N.  $30^{\circ}$  E. & S.  $30^{\circ}$  W.
- 79.80 Intersect the N. bdy. of Tp. at the cor. of secs. 4, 5, 32 & 33, recently estab. by me & described in Book A.  
S. 37 chs. quicksand river bed. 37 to 49 chs. level bottom land, rich sandy loam, soil fine texture 3 to 6 ft. deep.

SUBDIVISION OF T. 39 N. R. 16 W.

49 to 60 chs. rolling land, soil sandy & gravelly, medium texture 2 to 3 ft. deep.  
60 to 79.80<sup>th</sup> level very sandy soil, medium texture 2 to 3 ft. deep. Undergrowth shellac brush.

Jan. 3, 1913.

RESURVEY OF THE NEV., ARIZ. STATE BDY. FROM MILE COR. 319 to MILE COR. 312.

Dec. 24, 1912. At 9 h. 00m. a.m. l.m.t. I set off 36° 44' N. on the lat. arc, 23° 23' S. on the decl. arc and determine a meridian with the solar at the mile cor. 319 of the Nev. Ariz. bdy. which is a marked stone in mound of earth with diagonal willow post laying on mound. I destroy all trace of the old cor. and re-establish it at the same point as follows:

Set a granite stone 32 x 14 x 16<sup>th</sup> 20 ins. in the ground for 319 mile cor. marked 319 M on N., Nev on W., and Ariz on E. face, dig pits 36 x 36 x 12 ins. E. & W. of stone 4 ft. dist. and raise a mound of earth 5 ft. base 2 1/2 ft. high N. of cor. Thence I run N. on random line along mile 319

80.56 Fall 121 lks. W. of mile cor. 318, which is a decayed willow post 3 x 3 x 48 ins. lying on top of mound of earth. I destroy all trace of the old cor. and re-establish it in the same place, as follows:

Set a granite stone 32 x 9 x 12 ins. 20 ins. in the ground for 318 mile cor., marked 318 M in N., Ariz on E. & Nev on W. face, dig pits 36 x 36 x 12 ins. E. & W. of stone 4 ft. dist. and raise a mound of earth 5 ft. base 2 1/2 ft. high N. of cor. Thence I run

S. 10° 52' W. on mile 319, ascending gentle N. slope over rocky land through cactus & shellac brush 2 to 4 ft. high and scattering yucca trees 8 to 12 ft. high.

- 19.70 Dry wash 25 lks. wide, course N. 20° W.
- 23.60 Dry wash 15 lks. wide, course N. 45° E.
- 29.00 Dry wash 10 lks. wide, course N. 10° W.
- 46.50 Dry wash 15 lks. wide, course N. 30° W.
- 74.70 Dry wash 15 lks. wide, course N. 45° E.

80.56 The mile cor. 319.  
Gentle N. slope, sandy rocky soil, coarse texture, 2 to 3 ft. deep. Undergrowth cactus & shellac brush & scattering yucca trees.

From mile cor. 318 heretofore described, I run N. on random line along mile 318

80.53 Fall 130 lks. West of 317 mile cor., which is a decayed willow post in mound of earth, markes nearly obliterated. I destroy all trace of old cor. and re-establish as follows: Set a granite stone 12, x 12 x 48<sup>th</sup> 36 ins. in the ground for mile cor. 317, marked 317 M on N., Ariz on E. & Nev on W. face, dig pits 36 x 36 x 12 ins. E. & W. of stone 4 ft. dist. and raise a mound of earth 5 ft. base 2 1/2 ft. high N. of cor.

Thence I run  
S. 0° 56' W. on mile 318, Nev. Ariz. bdy.  
Ascending gentle N. slope over rocky land through cactus & shellac brush

- 4.10 Dry wash 15 lks. wide, course N. 45° E.
- 19.82 Closing sec. cor. for Nev. survey, which is a mound of stone 2 ft. base 1 1/2 ft. high.
- 32.00 Dry wash 50 lks. wide, course N. 10° W.
- 40.20 Dry wash 35 lks. wide, course N. 30° W.
- 54.70 Dry wash 20 lks. wide, course N. 30° W.
- 60.50 Dry wash 60 lks. wide, course N. 30° W.
- 70.50 Wagon road, bears N. 10° W & S. 110° E.

80.53 Mile cor. 318.  
Gentle N. slope, soil rocky and sandy, coarse texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush.

From mile cor. 317, heretofore described, I run N. on random line along the Nevada, Arizona bdy.

80.55 Fall 72 lks. W. of mile cor. 316, which is a marked stone deposited in mound of earth. I destroy all trace of the old cor. and re-establish it at the same point as follows:  
Set a granite stone 32 x 10 x 9 ins. 21 ins. in the ground for mile cor. 316, marked 316 M on N., Ariz on E. & Nev on

## RESURVEY OF NEW ARIZ. STATE. BDY. FROM MILE COR. 319 to MILE COR. 312.

	W. face, dig pits 36 x 34 x 12 ins. E. & W. of stone 3 ft. dist. and raise a mound of earth 3 ft. base 2½ ft. high N. of cor. Thence I run
	S 0° 31' W. on mile 317.
	Ascending gentle N. slope over loose sandy land, through cactus & shellac brush 2 to 3 ft. high.
12.50	Dry wash 20 lks. wide, course N. 30° W.
29.70	Dry wash 60 lks. wide, course N. 10° W.
44.50	Dry wash 30 lks. wide, course N. 10° W.
54.00	Dry wash 25 lks. wide, course N. 10° W.
60.90	Dry wash 15 lks. wide, course N. 10° W.
64.70	Dry wash 5 lks. wide, course N. 10° E,
80.55	Mile cor. 317 Land slightly rolling, soil loose sandy of medium texture, 2 to 3 ft. thick. Undergrowth cactus & shellac brush.
	-----
	From mile cor. 316, heretofore described, I run N. on random line bet. Arizona & Nevada.
80.50	Fall 72 lks. W. of mile cor. 315, which is a marked stone deposited in mound of earth, with decayed willow post lying on mound, marks nearly obliterated. I destroy all trace of old cor. and re-establish it at the same point as follows: Set a granite stone 30 x 12 x 12 x 20 ins. in the ground for mile cor. 315, marked 315 M on N., Ariz on E. & Nev on W. face, dig pits 36 x 36 x 12 ins. E. & W. of stone 4 ft. dist. and raise a mound of earth 5 ft. base 2½ ft. high N. of cor. Thence I run S. 0° 31' W. on mile 316. Over rolling land, through scattering shellac brush 2 to 3 ft. high
34.00	Dry wash 20 lks. wide, course N. 20° W.
56.00	Dry wash 40 lks. wide, course N. 35° W.
68.00	Dry wash 30 lks. wide, course N. 10° W.
80.50	Mile cor. 316 Land rolling, soil loose sandy, medium texture 2 to 3 ft. deep.
	Dec. 24, 1912.
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	Dec. 25, 1912. At 8 h. 30 m. A.M. 1 m.t. I set off 36° 47' on the lat. arc, 23° 21' S. on the decl arc and determine a meridian with the solar at mile cor. 315 on the Nevada Arizona bdy, heretofore described. Thence I run
	North on random line bet. Ariz. & Nev.
70.00	No trace of witness cor.
80.00	Point for mile cor. 314, falls in river channel, no trace of cor.
116.00	No trace of post set at edge of old road.
154.87	Fall 126 lks. E. of mile cor. 313, which is a marked stone in mound of earth, with decayed cottonwood post lying along side, marks nearly obliterated. I destroy all trace of the old cor. and re-establish it at the same point as follows: Set a granite stone 30 x 12 x 12 x 20 ins. in the ground for mile cor. 313, marked 313 M on N., Ariz. on E. & Nev on W. face, dig pits 36 x 36 x 12 ins. E. & W. of stone 4 ft. dist. and raise a mound of earth 5 ft. base 2½ ft. high N. of cor. Thence I run S. 0° 28' E. on true line bet. Nevada & Arizona Over rolling rocky land through low shellac brush.
6.40	Dry wash 20 lks. wide, course S. 45° W.
14.80	Descend 150 ft. into mouth of canyon
19.00	Dry wash 30 lks. wide, course S. 45° W. ascend 40 ft.
21.00	Top of spur slopes W. descend 50 ft.
21.50	Telephone line bet Mesquite, Nev. to Littlefield, Ariz. bears N. 80° W & S. 80° E.
22.00	Mesquite irrigation ditch 15 lks. wide, 4 ft. deep, course N. 80° W. Enter Virgin River bottom land bears N. 80° W & S. 80° E
22.80	Wire fence bears E. & W. enter cultivated field.
30.50	Right bank of Virgin River 12 ft. high, course W. thence over sand bar.
32.40	Shallow stream of water 150 lks. wide, 6 ins. deep, course W.
41.00	Wagon road, from Mesquite, Nev. to Littlefield, Ariz., bears E. & W.

## RESURVEY OF NEVADA-ARIZONA STATE BOUNDARY FROM MILE COR. 319 TO MILE COR. 312.

- 58.20 Bank of small island 4 ft. high bears E. 10 chs. & W. 10 chs. thence over island soil, very sandy, through mesquite brush 4 to 6 ft. high.
- 59.70 Leave island, thence over sand bar.
- 77.43 Point for mile cor. 314 falls on sand bar in bed of river, impractical to set cor. W.C. set by me 6.43 chs. S. 0°-28' E. & hereinafter described. N. 22 chs. rolling rocky, loose sandy soil, coarse texture 1 to 2 ft. deep. 22 chs. to 30 chs. level river bottom, soil rich sandy loam, fine texture, 4 to 6 ft. deep. S. 45 chs. quicksand river channel.
- From true point to mile cor. 314, I run -----  
S. 0° 28' E. on mile 315 bet. Nev. & Ariz.
- Over rolling river channel  
Bunkerville low brush dam in river bears W. 15 chs.
- .14 Right edge of main channel of river, course N. 70° W., thence across river by actual measurement.
- 3.00 Leavewater, course N. 70° W., water 2 to 3 ft. deep, quicksand bottom. thence over sandbar
- 6.00 Left bank of Virgin River 12 ft. high, bears E. & W.
- 6.43 Set a granite stone 32 x 9 x 12<sup>in</sup> x 20 ins. in the ground, for witness cor. to mile cor. 314, marked WC 314 on N., Ariz. on E., & Nev. on W. face, dig pits 36 x 36 x 12 ins. E. & W. of stone 4 ft. dist., and raise a mound of earth 5 ft. base, 2½ ft. high N. of cor., thence ascend gentle N. slope through shellac brush 4 to 5 ft. high.
- 14.50 Wagon road, bears E. & W.
- 16.85 Closing section corner of Nev. survey, which is a mesquite post 4 x 4 x 16 ins., standing in mound of earth, marks obliterated.
- 18.30 Wagon road, bears N. 45° W.
- 22.00 Dry wash 20 lks. wide, course N. 10° E.
- 31.30 Dry wash 5 lks. wide, course N. 70° W.
- 36.00 Dry wash 30 lks. wide, course N. 10° W.
- 54.00 Descend 70 ft. along S.W. slope
- 63.60 Dry wash 40 lks. wide, course N. 10° W. ascend N.E. slope 80 ft. to
- 73.00 Top of ascent, bears N. 20° W. & S. 20° E. thence over level land.
- 77.43 Mile cor. 315, hereinbefore described.  
0 to 5 chs. sandy river bed  
5 to 20 chs. gentle N. slope, loose rich, sandy loam, fine texture 4 to 6 ft. deep, undergrowth shellac brush 4 to 5 ft. high.  
20 to 77.43 chs. rolling soil rocky and sandy, medium texture 2 to 3 ft. deep, Undergrowth low shellac brush.
- From mile cor. 313, hereinbefore described, I run North on a random line bet. Arizona & Nevada.
- 79.98 Fall 7 lks. W. of mile cor. 312, which is a marked stone deposited in mound of earth, with decayed cottonwood post lying on top, marks nearly obliterated. I destroy all trace of the old cor., and re-establish it at the same point, as follows: Set a granite stone 30 x 8 x 10<sup>in</sup> x 18 ins. in the ground, for 312 mile cor., marked 312 M on N., Ariz. on E., & Nev. on W. face., dig pits 36 x 36 x 12 ins., E. & W. of stone, 4 ft. dist., and raise a mound of earth 5 ft. base, 2½ ft. high, N. of cor.  
Thence I run  
S. 0° 3' W. on mile 313, bet. Ariz. & Nev.
- Over rolling land, through shellac brush 1 to 2 ft. high.
- 23.00 Dry wash 30 lks. wide, course S. 40° W.
- 32.50 Ravine 30 ft. deep, course S. 30° W.
- 37.50 Ravine 30 ft. deep, course S. 20° W.  
Thence over gentle S. slope
- 79.98 Mile cor. 313, hereinbefore described.  
N. 40 chs. rolling., S. 40 chs. gentle S. slope, soil sandy loam, medium texture, 2 to 3 ft. deep. Undergrowth, shellac brush 2 to 3 ft. high, with scattering cactus trees

Dec. 25, 1912.

## GENERAL DESCRIPTION OF Tp. 39 N. R. 16 W.

This township consists mainly of a slightly rolling bench lying between the Virgin mountains and the Virgin River. The soil in the bench is a rich sandy loam with scattering quartz and granite rock.



## GENERAL DESCRIPTION OF T. 39 N. R. 16 W.

The surface is covered with a growth of cactus of several varieties and shellac brush. There are also some scattering yucca trees in the South edge of this township. The Virgin River Fruit Lands Co. proposes to irrigate this bench by diverting the water of the Virgin River onto it.

The land on the N $\frac{1}{2}$  of secs. 3, 4 & 5 lying N. side of Virgin river consists mainly of sandy bench land covered with a growth of shellac brush. There is a flat of about 160 acres which can be watered by the Mesquite irrigation ditch which flows through it in secs. 3 & 4, this flat is occupied by Sylvester.

There is also a flat of good rich bottom land all of which is in cultivation in secs. 4 & 5. This flat is occupied by three settlers.

There is about 200 acres of good bottom land on the South side of the river in secs. 3, 4, 9 & 10, 40 acres of which is in cultivation. This flat is occupied by Stephen Bowman.

Virgin River enters this township at the W. half of the N. bdy. of sec. 2, thence it flows westward through secs. 3, 4, 5, 8 & 9, the river in sec. 23 $\frac{1}{2}$  part of sec. 3 flows between rocky bluffs. In the west part of sec. 3 and through secs. 4 & 5 the river spreads out over a wide sandy channel. The river bed through the T $\frac{1}{2}$  is of quicksand, except when confined by the bluffs. The river banks are very changeable.

Practically all variety of fruit raised in the United States are grown in secs. 4 & 5.

*Thomas B. Matthews*  
*U.S. Surveyor*





23 234

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, Ariz. May 1, \_\_\_\_\_, 1913

The foregoing field notes of the survey of \_\_\_\_\_ Subdivision of Township 39 North, Range 16 West, and Resurvey of Nevada-Arizona State Boundary, Mile cor. 312 to Mile cor. 319,

executed by \_\_\_\_\_ Thomas B. Matthews, U.S. Surveyor, under his special instructions dated \_\_\_\_\_ June 6, \_\_\_\_\_, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Frank A. Ingalls*  
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.