

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

BOOK 2446

FIELD NOTES

OF THE SURVEY OF THE

Subdivision of Township 40 North, Range 15 West,

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 Nov. 30th, 1912.

Survey completed Dec. 9th, 1912.

1A/72

BOOK 2446

INDEX DIAGRAM.

Township 40 North, Range 15 West.
10th Standard Parallel North

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——— Book "A"
 ——— This book
 - - - - - Unsurveyed.

Survey commenced Nov. 30, 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 a point on the 10th standard parallel 9.52 chs. W. of the standard $\frac{1}{4}$ sec. cor. of secs 36 T 41 N. R. 15 W. set by me Nov. 23, 1912, I set an iron post 3 ft. long 2 ins. in diam 24 ins. in the ground for closing cor. of secs. 1 & 2 with a brass cap marked CC S. of center T 41 N, S 35, S 36 in N, T 40 N in S., & R 15 W in W. half, S 1 in S.E. & S 2 in S.W. quadrant, and raise a mound of stone 3 ft. high S. of cor.

At 8 h. 30 m. I set off $36^{\circ} 54' N.$ on the lat. arc, $21^{\circ} 37' S.$ on the decl. arc and determine a meridian with the solar

Thence I run

S. $0^{\circ} 01' E.$ bet. secs. 1 & 2 ascending gentle N. slope over rocky land through cactus & shellac brush 2 to 3 ft. high.

- 4.40 Dry wash 10 lks. wide, course N. $10^{\circ} W.$
 10.00 Dry wash 5 lks. wide, course N. $40^{\circ} W.$
 14.50 Dry wash 40 lks. wide, course N. $10^{\circ} W.$
 20.40 Dry wash 30 lks. wide, course N. $20^{\circ} W.$
 24.00 Dry wash 20 lks. wide, course N. $30^{\circ} W.$
 37.50 Dry wash 20 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 2 in W & S 1 in E. half and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
 49.50 Dry wash 10 lks. wide, course N. $30^{\circ} W.$
 51.60 Dry wash 30 lks. wide, course N. $35^{\circ} W.$
 53.00 Dry wash 20 lks. wide, course N. $20^{\circ} W.$
 60.40 Dry wash 50 lks. wide, course N. $10^{\circ} W.$
 62.50 Dry wash 60 lks. wide, course N. $30^{\circ} W.$
 74.00 Dry wash 30 lks. wide, course W.
 76.70 Dry wash 30 lks. wide, course W.
 77.80 Dry wash 20 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. 1, 2, 11 & 12, with a brass cap marked T 40 N R 15 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 3 ft. base 3 ft. high W. of cor.
 Foot steep slope of Virgin Mountain bears S. 20 chs. dist
 Land gentle rolling N. slope
 Soil very rocky and sandy, coarse texture 1 to 2 ft. deep.
 Undergrowth cactus & shellac brush 2 to 4 ft. high.

 West bet. secs. 2 & 11

Descending gentle rocky N.W. slope through cactus & shellac brush 2 to 3 ft. high.

- 30.10 Dry wash 10 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 2 in N., & S 11 in S. half, and raise a mound of stone 3 ft. base 2 ft. high N. of cor.
 47.50 Dry wash 10 lks. wide, course N. $20^{\circ} W.$
 77.20 Dry wash 15 lks. wide, course N. $20^{\circ} W.$
 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 40 N, R 15 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, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
 E. 40 chs. gentle W. slope Soil very rocky and sandy coarse texture 1 to 2 ft. deep
 W 40 chs. slight slope to N.W. soil loose & sandy with scattering loose rock, soil coarse texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush 2 to 4 ft. high

 S. $0^{\circ} 01' E.$ bet. secs. 10 & 11 ascending gentle N. slope through cactus & shellac brush 2 to 4 ft. high

- 2.10 Dry wash 20 lks. wide, course N. $43^{\circ} W.$
 3.70 Dry wash 10 lks. wide, course N. $30^{\circ} W.$
 7.00 Dry wash 10 lks. wide course W.
 11.00 Dry wash 50 lks. wide, course N. $45^{\circ} W.$
 14.00 Dry wash 10 lks. wide, course N. $20^{\circ} W.$

SUBDIVISION OF T. 40 N. R. 15 W.

18.70	Dry wash 5 lks. wide, course N. 10° W.
30.20	Dry wash 15 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 10 in W. & S 11 in E. half, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
54.00	Dry wash 20 lks. wide, course N. 10° W.
59.00	Dry wash 15 lks. wide, course W.
63.20	Dry wash 40 lks. wide, course N. 45° W.
66.10	Dry wash 30 lks. wide, course N. 45° W.
71.00	Dry wash 5 lks. wide, course N. 45° W.
79.00	Dry wash 10 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. 10, 11, 14 & 15, with a brass cap marked T 40 N. R 15 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 3 ft. base 3 ft. high W. of cor. Gentle rolling land, soil sand & rocky, coarse texture 2 to 3 ft. high deep. Undergrowth cactus & shellac brush 2 to 4 ft. high.
	----- At the above cor. I set off 21° 40' S on the decl. arc and at 11 h. 40 M. 31 s. A.M. l.m.t. observe the sun on the meridian and obtain the lat. arc the reading of 36° 52' N. which agrees with other data. Thence I run, S 0° 01' E. bet. secs. 14 & 15 ascending along gentle N.W. slope over very rocky land through cactus & shellac brush 2 to 4 ft. high
3.70	Dry wash 5 lks. wide, course N. 45° W.
9.80	Dry wash 20 lks. wide, course N. 20° W.
18.50	Dry wash 5 lks. wide, course N. 40° W.
23.00	Dry wash 20 lks. wide, course N. 45° W.
26.10	Dry wash 20 lks. wide, course W.
27.50	Dry wash 40 lks. wide, course N. 60° W.
35.50	Dry ravine 12 ft. deep course N. 70° 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, and raise a mound of stone 3 ft. base 2 ft. high W. of cor.
42.20	Dry wash 50 lks. wide, course N. 30° W.
51.00	Dry wash 40 lks. wide, course W.
55.00	Dry wash 20 lks. wide, course N. 30° W.
63.00	Dry wash 5 lks. wide, course N. 80° W.
66.30	Dry wash 5 lks. wide, course W.
70.20	Dry wash 15 lks. wide, course N. 80° W.
74.00	Dry wash 5 lks. wide, course N. 10° W.
77.00	Dry wash 10 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. 14, 15, 22 & 23, with a brass cap marked T 40 N, R 15 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, and raise a mound of stone 3 ft. base 3 ft. high W. of cor. Land rolling, Soil very rocky & sandy, coarse texture, 2 to 3 ft. deep. Undergrowth cactus & shellac brush 2 to 3 ft. high. West bet. secs. 15 & 22 Along gentle N. slope over rolling rocky N. slope through cactus & shellac brush 2 to 3 ft. high.
7.00	Dry wash 5 lks. wide, course N. 80° W.
18.00	Dry wash 150 lks. wide, course N. 45° W.
19.80	Dry wash 20 lks. wide, course N. 45° W.
27.70	Dry wash 5 lks. wide, course N.
33.20	Dry wash 10 lks. wide, course N. 45° W.
36.40	Dry wash 15 lks. wide, course N. 10° 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 N. & S 22 in S. half, and raise a mound of stone 3 ft. base 2 ft. high N. of cor.
41.00	Dry wash 5 lks. wide, course N. 30° W.
49.00	Dry wash 40 lks. wide, course N. 80° W.
53.90	Dry wash 15 lks. wide, course N. 45° W.
64.00	Dry wash 20 lks. wide, course N. 30° W.
68.50	Dry wash 5 lks. wide, course N. 70° W.
73.00	Dry wash 10 lks. wide, course N. 45° W.
77.70	Dry wash 15 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. 15, 16, 21 & 22, with a brass cap marked T 40 N R 15 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 very sandy, coarse texture 2 to 3 ft. deep.

Undergrowth cactus & shellac brush.

Nov. 30, 1912.

Dec. 2, 1912. At 8 h. 30 m. A.M. l.m.t. I set off $36^{\circ} 51\frac{1}{2}' N.$ on the lat arc $21^{\circ} 55\frac{1}{2}' S.$ on the decl. arc and determine a meridian with the solar at the cor. of secs. 15, 16, 21 & 22. above described.

Thence I run

S. $0^{\circ} 02'$ E. bet. secs. 21 & 22

Ascending gentle rocky N.W. slope through cactus & shellac brush 2 to 3 ft. high.

- 1.80 Dry wash 40 lks. wide, course W.
- 6.00 Dry wash 20 lks. wide, course N. 45° W.
- 11.50 Dry wash 50 lks. wide, course W.
- 26.50 Dry wash 10 lks. wide, course N. 45° W.
- 36.30 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 21 in W. & S 22 in E. half, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.

- 57.20 Dry wash 40 lks. wide, course N. 50° W.
- 60.00 Dry wash 30 lks. wide, course W.
- 65.50 Dry wash 5 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. 21, 22, 27 & 28, with a brass cap marked T 4D N, R 15 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 very rocky & sandy, coarse texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush 3 to 4 ft. high.

West bet. secs. 21 & 28

Descending gentle N.W. slope over very rocky land through shellac brush 2 to 3 ft. high

- 1.50 Dry wash 5 lks. wide, course N. 60° W.
- 6.50 Dry wash 15 lks. wide, course N. 50° W.
- 16.50 Dry wash 25 lks. wide, course N. 70° W.
- 22.40 Dry wash 15 lks. wide, course N. 45° W.
- 26.30 Dry wash 15 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 21 in N. & S 28 in S. half, and raise a mound of stone 3 ft. base 2 ft. high N. of cor.

- 55.00 Dry wash 40 lks. wide, course N. 30° W.
- 67.60 Dry wash 10 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. 20, 21, 28 & 29, with a brass cap marked T 40 N R 15 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 rolling.

Soil very rocky & sandy, coarse texture 2 to 3 ft. deep Undergrowth cactus & shellac brush 2 to 4 ft. high.

S $0^{\circ} 03'$ E. bet. secs. 28 & 29

Ascending gentle N.W. slope over very rocky land through cactus & shellac brush 3 to 4 ft. high.

- 10.00 Dry wash 40 lks. wide, course N. 30° W.
- 23.00 Dry wash 41 lks. wide, course W.
- 33.00 Dim wagon road, bears N. 30° W. & S 30° E.
- 37.00 Dry wash 15 lks. wide, course N. 15° W.
- 39.00 Dry wash 15 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 29 in W., & S 28 in E. half, and raise a mound of stone 2 ft. base 2 ft. high W. of cor.

- 54.00 Dry wash 100 lks. wide, course N. 45° W.
- 61.00 Dry wash 20 lks. wide, course N. 45° W.
- 63.00 Dry wash 20 lks. wide, course N. 20° W.
- 73.00 Dry wash 20 ft. deep course N. 45° W.

SUBDIVISION OF T. 40 N. R. 15 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 40 N R 15 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, very rocky, sandy soil, coarse texture. Undergrowth cactus & shellac brush 3 to 4 ft. high.
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- S 0° 03' E. bet. secs. 32 & 33
Ascending gentle N.W. slope over very rocky land through cactus & shellac brush 3 to 4 ft. high.
- 1.00 Dry wash 5 lks. wide, course N. 40° W.
8.00 Dry wash 10 lks. wide, course N. 20° W.
14.00 Dry wash 15 lks. wide, course W.
22.20 Dry wash 10 lks. wide, course W
30.30 Dry wash 40 lks. wide, course N. 45° W.
35.00 Dry wash 15 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 32 in W, & S 33 in E. half, and raise a mound of stone 2 ft base 2 ft. high W. of cor.
- 41.00 Dry wash 40 lks. wide, course N. 70° W.
60.00 Dry wash 5 lks. wide, course N. 45° W.
65.50 Dry wash 100 lks. wide, course W.
68.00 Dry ravine 12 ft. deep, course W.
80.00 Set an iron post 3 ft. long 3 ins. in diam., 24 ins. in the ground for cor. of secs. 4, 5, 32 & 33, with a brass cap marked T 40 N in N., T 39 N in S., & R 15 W in W. half, S 32 in N.W., S 33 in N.E., S 4 in S.E., & S 5 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor. land rolling, very rocky, sandy soil, coarse texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush 3 to 4 ft. high.
Dec. 2, 1912
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- Dec. 3, 1912, At 8 h. 30 m. A.M. l.m.t. I set off 36° 53' N on the lat arc. 22° 04' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 2, 3, 10 & 11, hereinbefore described.
Thence I run
N. 0° 01' W. bet. secs. 2 & 3
Over level sandy land through cactus & shellac brush 3 to 4 ft. high.
- 8.00 Dry wash 15 lks. wide, course N. 20° W.
10.90 Dry wash 20 lks. wide, course N. 45° W.
15.50 Dry wash 20 lks. wide, course W.
17.00 Dry wash 5 lks. wide, course N. 10° W.
29.00 Dry wash 10 lks. wide, course W.
33.70 Dry wash 20 lks. wide, course W
37.00 Dry wash 5 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 $\frac{1}{4}$ 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.
- 41.00 Dry wash 5 lks. wide, course W.
44.00 Dry wash 10 lks. wide, course N. 45° W.
48.00 Dry wash 20 lks. wide, course N. 45° W.
53.00 Dry wash 10 lks. wide, course N. 60° W.
57.00 Dry wash 10 lks. wide, course N. 40° W.
60.00 Dry wash 5 lks. wide, course N. 20° W.
64.00 Dry wash 5 lks. wide, course N. 40° W.
73.00 Dry wash 20 lks. wide, course W.
79.50 Dry wash 5 lks. wide, course W.
80.10 Intersect 10th Standard Parallel N. 9.50^{chs.} W. of standard $\frac{1}{4}$ sec. cor. of sec. 35, set ^{by me} Nov. 23, 1912, ^{and described in Book A} At the above described 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. 2 & 3, with a brass cap marked CC S. of center, T 41 N S 34, S 35 in N., T 40 N in S., & R 15 W. in W. half, S 2 in S.E., & S 3 in S.W. quadrant, and raise a mound of stone 3 ft. base 2 ft. high S. of cor. Land level, soil loose sandy loam, fine texture 3 to 4 ft. deep. Undergrowth cactus & shellac brush.

SUBDIVISION OF T. 40 n. R. 15 W.

	From the cor. of secs. 15, 16, 21 & 22, hereinbefore described, I run, N 0° 02' W. bet. secs. 15 & 16 Descending gentle N. slope over very rocky land through cactus & shellac brush 2 to 3 ft. high.
2.20	Dry wash 30 lks. wide, course N. 40° W.
12.30	Dry wash 25 lks. wide, course N. 30° W.
20.40	Dry wash 15 lks. wide, course N. 45° W.
25.50	Dry wash 40 lks. wide, course N. 80° W.
33.20	Dry wash 50 lks. wide course N. 45° W.
35.60	Dry wash 20 lks. wide, course N. 80° W.
37.10	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 16 in W., & S 15 in E. half, and raise a mound of stone 3 ft base 3 ft. high W. of cor.
43.80	Dry wash 20 lks. wide, course N. 40° W.
49.00	Dry wash 10 lks. wide, course W.
51.80	Dry wash 60 lks. wide course N. 45° W.
55.20	Dry wash 5 lks. wide, course N. 45° W.
61.50	Dry wash 15 lks. wide, course N. 10° W.
64.00	Dry wash 15 lks. wide, course N. 40° W.
67.30	Dry wash 35 lks. wide, course W.
74.00	Dry wash 5 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. 9, 10, 15 & 16, with a brass cap marked T 40 N R 15 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 level, soil sandy & rocky, coarse texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush.

	East on random line bet. secs. 10 & 15.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.16	Intersect N. & S. line at the cor. of secs. 10, 11, 14 & 15, hereinbefore described. Thence I run West on true line bet. secs. 10 & 15, descending gentle N.W. slope over very rocky land through cactus & shellac brush 2 to 3 ft. high
6.20	Dry wash 30 lks. wide, course N. 30° W.
11.00	Dry wash 15 lks. wide, course N. 40° W.
19.60	Dry wash 25 lks. wide, course N. 30° W.
27.50	Dry wash 10 lks. wide, course N. 45° W.
35.00	Dry wash 10 lks. wide, course N. 50° W.
40.08	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.
41.00	Dry wash 20 lks. wide, course N. 60° W.
50.00	Dry wash 5 lks. wide, course N. 75° W.
61.20	Dry wash 40 lks. wide, course N. 45° W.
66.70	Dry wash 15 lks. wide, course N. 45° W.
74.40	Dry wash 10 lks. wide, course N. 45° W.
78.50	Wagon road bears N & S.
80.16	The cor. of secs. 9, 10, 15 & 16. hereinbefore described. Land rolling, soil very rocky & sandy, coarse texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush.

	N. 0° 02' W. bet secs. 9 & 10. Descend gentle N. slope over very rocky land through cac- tus & shellac brush 2 to 4 ft. high.
4.60	Dry wash 20 lks. wide, course N. 40° W.
9.90	Dry wash 20 lks. wide, course W.
15.50	Dry ravine 10 ft. deep course N. 45° W.
21.00	Dry wash 20 lks. wide, course N. 20° W.
25.50	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 $\frac{1}{4}$ 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.
43.00	Dry wash 10 lks. wide, course N. 45° W.
52.30	Dry wash 20 lks. wide, course N. 45° W.
57.50	Dry wash 10 lks. wide, course N. 30° W.
62.50	Dry wash 20 lks. wide, course N. 20° W.
64.80	Dry wash 10 lks. wide, course W.
72.50	Dry wash 10 lks. wide, course N. 20° W.
80.00	Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in

SUBDIVISION OF T. 40 N. R 15 W.

the ground for cor. of secs. 3, 4, 9 & 10, with a brass cap marked T 40 N R 15 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, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.

Land rolling.

Soil sandy with scattering loose rock, medium texture 2 to 3 ft. deep.

Undergrowth cactus & shellac.

The cor. of secs. 2, 3, 10 & 11, ^{hereinbefore described} being plainly visible, I run for said cor.

South 89° 56' E. on random line bet. secs. 3 & 10

40.00 Set temp. 1/4 sec. cor.

79.96 Intersect N. & S. line at the cor. of secs. 2, 3, 10 & 11, ^{hereinbefore described,} Thence I run

N. 89° 56' W. on true line bet. secs. 3 & 10, over level land through cactus & shellac brush 2 to 3 ft. high.

5.00 Dry wash 10 lks. wide, course N. 75° W.

10.00 Dry wash 5 lks. wide, course N. 45° W.

29.50 Dry wash 20 lks. wide, course N. 30° W.

30.60 Dry wash 30 lks. wide, course N. 45° W.

33.30 Dry wash 10 lks. wide, course N. 30° W.

39.98 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., with a brass cap marked 1/4 S 3 in N., & S 10 in S. half, and raise a mound of stone 3 ft. base 3 ft. high N. of cor.

41.00 Dry wash 5 lks. wide, course N. 40° W.

49.90 Dry wash 10 lks. wide, course N. 20° W.

68.50 Dry wash 15 lks. wide, course N. 30° W.

74.00 Dry wash 15 lks. wide, course N. 30° W.

79.96 The cor. of secs. 3, 4, 9 & 10. ^{hereinbefore described.} Land level, soil loose sandy loam, medium texture. Undergrowth cactus & shellac brush 2 to 3 ft. high.

N. 0° 02' W. bet. secs. 3 & 4

Over level land through cactus & shellac brush 3 to 4 ft. high

10.10 Dry wash 5 lks. wide, course N. 80° W.

12.80 Dry wash 10 lks. wide, course N. 20° W.

14.50 Dry wash 20 lks. wide, course N. 45° W.

18.50 Dry wash 5 lks. wide, course N. 45° W.

25.30 Dry wash 10 lks. wide, course N. 20° W.

31.00 Dry wash 10 lks. wide, course N. 45° W.

36.00 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 1/4 sec. cor., with a brass cap marked 1/4 S 4 in W., & S 3 in E. half, dig pits 18 x 18 x 12 ins. N. & S. of cor. 3 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.

46.00 Wagon road, bears N. 45° E. & S. 45° W.

53.00 Wagon road, bears N. 45° E. & S. 45° W.

62.10 Dry wash 30 lks. wide, course N. 30° W.

65.00 Spring branch, stream of clear water 10 lks. wide, 5 ins. deep, course N. 20° W.

73.00 Vertical rim rock 100 ft. high bears N. 70° E. & S. 80° W., descend thence over level spring river bottom.

75.89 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for witness cor. to closing cor. of secs. 3 & 4 with a brass cap marked W C C C N. of center, T 41 N S 33 S 34 in N. T 40 N in S. & R 15 W. in W. half, S 3 in S.E., & S 4 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.

76.50 Left bank of Virgin River 3 ft. high Course S 45° W., thence over sand bar in river bed

78.50 Intersect 10th Standard Parallel N. 9.50 chs. W. of the standard 1/4 sec. cor. of sec. 34, ^{Left edge of water course S.W.} ^{Right edge of water course S.W.} recently estab. by me & described in Book 1, land level, use 72 chs level bench land loose sandy loam soil, 73 to 75 chs sandy river bottom. Soil fine texture 6 to 8 ft. deep. Undergrowth shellac brush. N. 5 chs. sandy river bed.

Dec. 3, 1912.

SUBDIVISION OF T. 40 N. R. 15 W.

	Dec. 4 th At 8 h. 0 m. A.M. 1 mat. I set off $36^{\circ} 50\frac{1}{2}' N$ on the lat. arc, $22^{\circ} 11' S$ on the decl. arc, and determine a meridian with the solar at the cor. of secs. 20, 21, 28 & 29, hereinbefore described.
	Thence I run
	N. $0^{\circ} 03' W$. bet. secs. 20 & 21.
	Descending gentle N. slope over very rocky land through cactus & shellac brush 3 to 4 ft. high
3.80	Dry wash 10 lks. wide, course N. $80^{\circ} W$.
5.70	Dry wash 15 lks. wide, course N. $80^{\circ} W$.
10.50	Dry ravine 12 ft. deep, course W.
13.30	Dry wash 60 lks. wide, course W.
20.00	Dry ravine 10 ft. deep course W.
23.00	Dry wash 10 lks. wide, course W.
26.40	Dry wash 10 lks. wide, course N. $86^{\circ} W$.
33.00	Dry wash 10 lks. wide, course N. $40^{\circ} W$.
36.70	Dry wash 30 lks. wide, course W.
39.00	Dry wash 10 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 20 in W., & S 21 in E. half, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
46.00	Dry wash 10 lks. wide, course W.
52.20	Dry wash 100 lks. wide, course N. $70^{\circ} W$.
58.00	Dry wash 10 lks. wide, course W.
65.00	Dry wash 20 lks. wide, course N. $45^{\circ} W$.
70.00	Dry wash 40 lks. wide course N. $80^{\circ} W$.
76.00	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. 16, 17, 20 & 21, with a brass cap marked T 40 N, R 15 W in E. half, S 17 in N.W., S 16 in E.E., S 21 in S.E., & S 20 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor. Land rolling, very rocky & sandy. Soil coarse texture 2 to 3 ft. deep.

	East on random line bet. secs. 16 & 21
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. & S. line at the cor. of secs, 15, 16, 21 & 22, hereinbefore described.
	Thence I run
	West bet. secs. 16 & 21 on true line. Descending gentle N.W. slope over very rocky land through cactus & shellac brush 3 to 4 ft. high.
5.00	Dry wash 70 lks. wide, course N. $45^{\circ} W$.
10.00	Dry wash 10 lks. wide, course N. $45^{\circ} W$,
23.00	Dry wash 5 lks. wide, course N. $20^{\circ} W$.
29.00	Dry wash 10 lks. wide, course N. $10^{\circ} W$.
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 N., & S 21 in S. half, and raise a mound of stone 3 ft. base 2 ft. high N. of cor.
41.00	Dry wash 35 lks. wide, course N. $10^{\circ} W$.
51.00	Dry wash 15 lks. wide, course N. $45^{\circ} W$.
57.00	Dry wash 30 lks. wide, course N. $45^{\circ} W$.
60.00	Dry wash 100 lks. wide, course N. $60^{\circ} W$.
69.00	Dry wash 40 lks. wide, course N.
74.00	Dry wash 10 lks. wide, course N. $60^{\circ} W$.
77.50	Dry wash 30 lks. wide, course N. $80^{\circ} W$.
80.00	The cor. of secs. 16, 17, 20 & 21, hereinbefore described.
	Land rolling, soil very rocky & sandy, coarse texture, 1 to 2 ft. deep.
	Undergrowth shelled brush.

	N. $0^{\circ} 03' W$. bet. secs. 16 & 17
	Descending gentle N. slope over rocky land through cactus & shelled brush 2 to 3 ft. high.
3.80	Dry wash 30 lks. wide, course N. $80^{\circ} W$.
9.00	Dry wash 20 lks. wide, course N. $30^{\circ} W$.
13.00	Dry wash 40 lks. wide, course N. $45^{\circ} W$.
21.70	Dry wash 35 lks. wide, course N. $30^{\circ} W$.
26.40	Dry wash 100 lks. wide, course N. $40^{\circ} W$.
36.70	Dry wash 50 lks. wide, course N. $35^{\circ} W$.
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

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- 45.00 $\frac{1}{4}$ S 17 in W., & S 16 in E. half, and raise a mound of stone 2 ft. base 2 ft. high W. of cor.
- 49.00 Dry wash 15 lks. wide, course N. 45° W.
- 54.20 Dry wash 10 lks. wide, course W.
- 54.20 Dry wash 50 lks. wide, course W.
- 61.20 Dry wash 10 lks. wide, course N. 30° W.
- 65.30 Dry wash 40 lks. wide, course N. 60° W.
- 70.60 Dry wash 5 lks. wide, course N. 45° W.
- 74.70 Dry wash 15 lks. wide, course N. 20° W.
- 77.80 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. 8, 9, 16 & 17 with a brass cap marked T 40 N, R 15 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, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
Land rolling, soil sandy & rocky, medium texture 1 to 2 ft. deep.
Undergrowth cactus & shellac brush.
-
- 40.00 East on random line bet. secs. 9 & 16.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. & S. line 5 lks. S. of cor. of secs. 9, 10, 15 & 16, hereinbefore described.
Thence I run
South 89° 58' W on true line bet. secs. 9 & 16, descending gentle N.W. slope over rocky, sandy land, through cactus & shellac brush 3 to 4 ft high.
- 7.40 Dry wash 30 lks. wide, course N. 80° W.
- 14.00 Dry wash 15 lks. wide, course N. 45° W.
- 15.30 Dry wash 40 lks. wide, course N. 45° W.
- 24.00 Dry wash 100 lks. wide, course N. 60° W.
- 27.00 Dry wash 30 lks. wide, course N. 45° W.
- 33.40 Dry wash 15 lks. wide, course N. 45° 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 9 in N., & S 16 in S. half, and raise a mound of stone 3 ft. base 2 ft. high N. of cor.
- 44.00 Dry wash 35 lks. wide, course N. 110° W.
- 55.40 Dry wash 10 lks. wide, course N. 10° W.
- 61.00 Dry wash 5 lks. wide, course N. 20° W.
- 74.00 Dry wash 10 lks. wide, course N. 45° W.
- 78.40 Dry wash 70 lks. wide, course N. 45° W.
- 80.02 The cor. of secs. 8, 9, 16 & 17. hereinbefore described.
Land rolling. Soil sandy & rocky, coarse texture 2 to 3 ft. deep. Undergrowth cactus & shellac brush.
-
- At above cor. I set off 22° 15' S. on decl. arc, and at 11 h. 50 m. 14 s A.M. I observe the sun on the meridian and obtain on the lat. arc the reading 36° 52 $\frac{1}{2}$ ' N. which agrees with other data.
N. 0° 03' W. bet. secs. 8 & 9, descending gentle N.W. slope over rocky land through cactus & shellac brush 2 to 3 ft. high.
- 0.50 Dry wash 40 lks wide, course N. 45° W.
- 6.00 Dry wash 10 lks. wide, course W.
- 14.50 Dry wash 30 lks. wide, course W.
- 19.80 Dry wash 10 lks. wide, course N. 45° W.
- 23.60 Descend left. bank of Virgin river 40 ft., bears N. 45° E. & S. 45° W.
- 24.00 Foot of bank, thence over low sand bar in bed of river.
- 40.00 Point for $\frac{1}{4}$ Sec. cor. falls on low sand bar in bed of river impractical to set iron post
- 45.34 Edge of water course S 45° W, thence across stream by actual measurement, water 1 to 2 ft. deep.
- 53.20 Leave water thence over low sand bar.
- 56.70 S. R. Reber, Sr.'s house bears W 3 chs.
S. R. Reber, Jr. house bears S. 45° W. 6 chs.
Henry Reber's house bears S 30° W 12 chs.
- 59.30 Right bank of Virgin River 4 ft. high, wire fence bears N. 30° E. & S 30° W., enter Joseph Reber's truck yard.
- 60.00 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 W C $\frac{1}{4}$ in N. half, S 9 in S.E., & S 8 in S.W. quadrant from which a
A Cottonwood 6 ins. in diam. bears N. 8° E. 39 lks. distant
marked $\frac{1}{4}$ S 9 B T. cottonwood 24 ins. in diam. bears N. 85° W.

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- 69 lks. marked $\frac{1}{4}$ S⁸B T.
- 66.80 Wire fence bears N. 70° W & S. 70° E, leave Joseph Reber's yard enter Jpseph Reber's garden.
- 63.00 Wire fence bears N. 70° W & S. 70° E, leave garden.
- 63.20 Ruins of old store house directly on line.
- 63.30 Irrigation ditch course S. 30° W.
- 63.50 Wagon road, bears S. 30° W. & N. 30° E.
- 69.80 Ascent 50 ft. along S.E. slope
- 74.00 Top of ascent thence over very sandy rolling land.
- 76.50 Telephone line from Littlerfield, Arizona to St. George, Utah, bears N. 10° E. & S. 10° W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 4, 5, 8 & 9, with a brass cap marked T 40 N R 15 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, dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. distance and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
- Land rolling S. 24 chs. sandy & rocky land, 2 to 3 ft. deep N. 20 chs. very sandy soil 3 to 5 ft. deep. Undergrowth cactus & shellac brush. 24 to 60 chs. quick sand river bed.
- hereinbefore described-----
- The cor. of secs. 3, 4, 9 & 10[^] being plainly visible, I run for said cor.
- N. 89° 59' E. on random line bet. secs. 4 & 9
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.98 Intersect N. & S. line at the cor. of secs. 3, 4, 9 & 10[^] Thence I run
hereinbefore described
- S. 89° 59' W on true line bet. secs. 4 & 9
- Over level land through shellac brush 2 to 3 ft. high
- 37.00 Wagon road bears N. 70° E. & S. 70° 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 4 in N., & S. 9 in S. half, and raise a mound of stone 2 ft. base 2 ft. high N. of cor.
- 41.50 Descend steep N.W. slope 80 ft.
- 44.00 Foot of descent, thence over level river bottom land.
- 44.90 Wire fence bears N. & S.
- 47.70 Wire fence bears N. 10° W. & S. 10° E.
- 48.00 Wire fence bears N. 10° W & S. 10° E.
- 50.00 Small irrigation ditch course S. 30° W.
- 56.10 Row of cottonwood trees, bears N. 30° E. & S. 30° W. Iverson's house, bears S. 30° W. 5 chs. distant, thence over ploughed land
- 65.20 Wire fence, leave ploughed land, descend left bank of Virgin river, bears N. 30° E. & S. 30° W., thence over low sand bar in bed of river.
- 70.60 Edge of water, course S. 30° W., thence across stream by actual measurement water 1 to 2 ft. deep.
- 72.85 Leave water thence over low sand bar.
- 73.00 Right bank of Virgin River 4 ft. high, bears N. 30° E. & S. 30° W., thence over small flat through shellac brush 4 to 5 ft. high.
- 75.00 Small irrigation ditch 10 lks. wide, course S. 20° W.
- 77.50 Ascend steep slope 40 ft.
- 79.00 Top of ascent bears N. & S., and telephone line brs. N. 10° E. & S. 10° W.
- 79.98 The cor. of secs. 4, 5, 8 & 9, hereinbefore described.
- E. 40 chs. level bench land, soil sandy, medium texture, 2 to 3 ft. deep. Undergrowth shellac brush.
- 44 to 65[^] River bottom and rich sandy loam soil of fine texture containing some alkali 4 to 5 ft. deep.
- 65 to 73[^] quicksand river bed.
- 73 to 77.50[^] level river bottom, rich sandy loam soil 4 to 5 ft. deep, fine texture. Undergrowth shellac brush 4 to 5 ft. high
- 77.50 to 79.98[^] sandy hillside.
-
- N. 0° 03' W. bet. secs. 4 & 5
- Over sandy rolling land through shellac brush 3 to 4 ft. high.
- 27.90 Wagon road from Littlerfield, Arizona to St. George, Utah, descend N.E. slope 50 ft. N. 10° E. & S. 10° W.
- 32.00 Foot of descent, wire fence bears N. 45° W & S. 45° E. thence over level bottom land.
- 35.50 Enter cultivated land, bears N. 45° W & S. 45° E.

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- 37.00 Enter small vineyard, bears N. 30° W. 4 chs. & S. 30° E. 5 chs.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. with a brass cap marked 1/4 S. 5 in W., & S. 4 in E. half, from which a cottonwood 30 ins. in diam. bears N. 12° W. 235 lks. distance marked 1/4 S 5 B T. No more trees within dist. dig pits 18 x 18 x 12 ins. N. & S. of cor. 3 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.
- 40.90 Leave vineyard, bears N. 30° W. & S. 30° E., thence through willow & cottonwood trees 6 to 8 ft. high
- 42.50 Wire fence bears E. & W.
- 42.60 Right bank of Beaver Dam Creek, clear stream of good water 45 lks. wide, 6 ins. deep, course S. 60° E.
- 43.05 Leave water thence over dry bed of creek. SE & NW
- 45.40 Wagon road, from Littlefield, Arizona to St. George, Utah
- 50.50 Small irrigation ditch course S. 60° E.
- 51.10 Left bank of Beaver Dam Creek 10 ft. high, course N. 45° W. & S. 45° E. Wire fence bears N. 45° W. & S. 45° E. thence over level bottom land through shellac brush 5 to 6 ft. high with scattering cottonwood trees.
- 54.00 Wagon road bears E. & W.
- 59.50 Wire fence bears N. 30° E. & S. 30° W.
- 64.00 Wagon road from Littlefield, Arizona to St. George, Utah, bears N. 45° E. & S. 30° W, leave bottom land and ascend along S.W. slope 60 ft.
- 68.70 Same wagon road, bears N. 30° W. & S. 30° E.
- 76.00 Same wagon road, bears N. 45° E. & S. 45° W.
- 80.10 Top of spur slopes W. descend N.W. slope 30 ft. to intersect 10 th Standard Parallel N. 9.48 chs. W. of standard 1/4 sec. cor. of sec. 33 recently established & described by me in Book A. 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. 4 & 5, with a brass cap marked C C S. of center T 41 N S 32 S 33 in N., T 40 N in S., & R 15 W in W. half, S 4 in S.E., & S 5 in S.W. quadrant, and raise a mound of stone 3 ft. base 2 ft. high S. of cor.
 0 to 32 & 69 to 80 chs. rolling sandy land, soil medium texture 1 to 3 ft. deep.
 32 to 42 & 51 to 69 chs. level bottom land, rich sandy loam soil 4 to 5 ft. deep.
 42 to 51 chs. gravelly bed or creek. Undergrowth shellac, willow & mesquite brush. Timber scattering cottonwood.
 Dec. 4, 1912.
- Dec. 5 1912. At h. 30 m. A.M. I set off 36° 49' N. on lat. arc 22° 21' S. on decl. arc, and determine a meridian with the solar at the cor. of secs. 5, 6, 31 & 32 on the S. Bdy of Tp. recently established described by me in Book A.
 Thence I run
 N. 0° 03' W. bet. secs. 31 & 32.
 Descending gentle N.W. slope over very rocky land through cactus & shellac brush 3 to 4 ft. high.
- 3.00 Dry wash 40 lks. wide, course N. 45° W.
- 10.00 Dry wash 40 lks. wide, course N. 80° W.
- 20.30 Dry wash 10 chs. wide, course N. 30° W.
- 29.30 Dry wash 30 lks. wide, course N. 45° W.
- 38.50 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 1/4 sec. cor. with a brass cap marked 1/4 S 31 in W., & S 32 in E. half, & raise a mound of stone 3 ft. base 2 ft. high W. of cor.
- 48.00 Dry wash 10 lks. wide, course N. 45° W.
- 53.00 Dry wash 15 lks. wide, course N. 30° W.
- 60.00 Dry wash 40 lks. wide, course N. 45° W.
- 66.00 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. 29, 30, 32 & 32, with a brass cap marked T 40 N R 15 W in N. half, S 30 in N.W., S 29 in N.E., S 32 in S.E., & S 31 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
 Land rolling, soil very rocky & sandy, coarse texture 1 to 3 ft. deep, Undergrowth cactus & shellac brush 3 to 4 ft. high.
- East on random line bet. secs. 29 & 32.
- 40.00 Set temp. 1/4 sec. cor.

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- 80.00 Intersect N. & S. line at the cor. of secs. 28, 29, 32 & 33, hereinbefore described.
Thence I run
West on true line bet. secs. 29 & 32,
Descending gentle N.W. slope over very rocky land through cactus & shellac brush 3 to 4 ft. high.
- 6.00 Dry wash 100 lks. wide, course N. 60° W.
14.00 Dry wash 20 lks. wide, course N. 45° W.
19.00 Dry wash 15 lks. wide, course N. 40° W.
26.50 Dry wash 5 lks. wide, course N. 30° W.
30.50 Dry wash 20 lks. wide, course N. 70° W.
32.50 Dry wash 15 lks. wide, course N. 30° W.
37.00 Dry wash 10 lks. wide, course N. 40° W.
39.00 Dry wash 15 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 29 in N. & S 32 in S. half, and raise a mound of stone 3 ft. base 2 ft. high N. of cor.
- 44.20 Dry wash 15 lks. wide, course N. 45° W.
50.50 Dry wash 15 lks. wide, course N. 70° W.
55.30 Dry wash 5 lks. wide, course N. 80° W.
59.00 Dry wash 40 lks. wide, course N. 30° W.
63.80 Dry ravine 8 ft. deep, course N. 45° W.
77.20 Dry wash 5 lks. wide, course N. 60° W.
80.00 The cor. of secs. 29, 30, 31 & 32, hereinbefore described.
Rolling land, soil very rocky & sandy, coarse texture, 2 to 3 ft. deep. Undergrowth cactus & shellac brush.
- West on random line bet. secs. 30 & 31.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
78.12 Intersect W. bdy. of Tp. at the cor. of secs. 25, 30, 31 & 36, recently estab. & described by me in Book A.
Thence I run
East on true line bet. secs. 30 & 31
Ascending gentle N.W. slope over very rocky land through cactus & shellac brush 2 to 3 ft. high.
- 5.40 Wagon road, bears N. 15° W. & S. 15° E.
10.70 Dry wash 20 lks. wide, course N. 20° W.
15.60 Dry wash 40 lks. wide, course N. 15° W.
34.00 Dry wash 20 lks. wide, course N. 30° W.
38.12 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 30 in N. & S 31 in S. half, and raise a mound of stone 3 ft. base 3 ft. high N. of cor.
- 42.00 Dry wash 15 lks. wide, course N. 45° W.
51.80 Dry wash 40 lks. wide, course N. 20° W.
61.20 Dry wash 30 lks. wide, course N. 80° W.
76.50 Dry wash 5 lks. wide, course N. 20° W.
78.12 The cor. of secs. 29, 30, 31 & 32, hereinbefore described.
Land rolling, soil very rocky & sandy, coarse texture 2 to 3 ft. deep, undergrowth cactus & shellac brush.
- N. 0° 03' W. bet. secs. 29 & 30
Descending gentle N.W. slope over very rocky land through cactus & shellac brush 2 to 3 ft. high.
- 5.00 Dry wash 10 lks. wide, course W.
12.50 Dry wash 20 lks. wide, course N. 45° W.
22.00 Dry wash 30 lks. wide, course N. 50° W.
32.50 Dry wash 20 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 30 in W. & S. 29 in E. half, and raise a mound of stone 3 ft. base 2 ft. high W. of cor.
- 47.20 Dry wash 20 lks. wide, course W.
60.50 Dry wash 40 lks. wide, course W.
64.71 Dry wash 15 lks. wide, course N. 40° W.
67.50 Dry wash 30 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. 19, 20, 29 & 30, with a brass cap marked T 40 N R 15 W in N. half, S 19 in N.W., S 20 in N.E., S 29 in S.E. & S 30 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
Land rolling.
Soil very rocky & sandy, coarse texture 2 to 3 ft. deep.
Undergrowth cactus & shellac brush.
- Dec. 5, 1912.

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Dec. 6¹⁹²² h. 0 m. A.M. I set off 36° 50' N on the lat. arc, 22° 28' S. on the ~~lat.~~ arc and determine a meridian with ^{the solar} at the cor. of secs. 19, 20, 29 & 30, hereinbefore described. The cor. of secs. 20, 21, 28 & 29, ^{being plainly visible} hereinbefore described I run for said cor. N. 89° 58' E. on random line bet. secs. 20 & 29

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

79.84 Intersect the N. & S. line at the cor., of secs. 20, 21, 28 & 29, hereinbefore described. Thence I run S. 89° 58' W. on true line bet. secs. 20 & 29

3.00 Dry wash 100 lks. wide, course N. 45° W.

6.00 Dry ravine 10 ft. deep course N. 20° W.

13.00 Dry wash 10 lks. wide, course N. 45° W.

30.00 Dry wash 20 lks. wide, course N.

37.50 Dry wash 10 lks. wide, course N. 60° W.

39.92 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 3 ft. high N. or cor.

43.00 Dry wash 100 lks. wide, course N. 45° W.

72.50 Dry wash 80 lks. wide, course N. 45° W.

77.50 Dry wash 15 lks. wide, course N. 20° W.

79.84 The cor. of secs. 19, 20, 29 & 30, hereinbefore described. Land rolling, soil rocky & sandy, coarse texture 2' to 3' it. deep, undergrowth cactus & shellac brush.

West on random line bet. secs. 19 & 30

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

78.20 Intersect the W. bdy of Tp. 9 lks. S. of ^{true} point for cor. of secs. 19, 24, 25 & 30. W.C. recently estab. by me 8.85 chs. S. of cor. point, and described in Book A. Thence I run S. 89° 56' E. on true line bet. secs. 19 & 30.

Through bed of Virgin River

0.20 Leave water, course S. 45° W. thence over low sand bar in bed of river.

5.40 Left bank of Virgin River 6ft. high, bears N. 45° E. & S 45° W., ascend steep N.W. slope 75 ft.

7.40 Top of ascent, thence over rolling land through shellac brush & scattering cactus 2 to 3 ft. high.

12.00 Dry wash 20 lks. wide, course N. 60° W.

21.30 Descend 20 ft. to

23.00 Dry wash 100 lks. wide, course N. 40° W. ascend 50 ft. to

24.00 Top of ascent, thence over rolling land.

30.00 Dry wash 10 lks. wide, course N. 45° W.

38.20 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 19 in N. & S 30 in S. half, and raise a mound of stone 2ft. base 2 ft. high N. or cor.

44.70 Dry wash 100 lks. wide, course N. 30° W.

48.00 Dry wash 10 lks. wide, course N. 60° W.

59.40 Dry wash 30 lks. wide, course N. 60° W.

66.00 Dry wash 60 lks. wide, course N. 45° W.

68.50 Dry wash 5 lks. wide, course N. 70° W.

78.20 The cor. of secs. 19, 20, 29 & 30, hereinbefore described. Land rolling. Soil sandy & rocky, coarse texture, 2 to 3 it. deep. Undergrowth cactus & shellac brush.

N. 0° 03' W. bet. secs. 19 & 20
Descending gentle N.W. slope over rocky sandy land through cactus & shellac brush 2 to 3 ft. high

6.50 Dry wash 20 lks. wide, course N. 45° W.

11.00 Dry wash 30 lks. wide, course N. 35° W.

29.50 Dry wash 20 lks. wide, course N. 45° W.

34.30 Nicolas tent, bears N. 46° W.

37.00 Descend 30 ft. to

38.00 Dry wash 20 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 19 in W. & S 20 in E. half, and raise a mound of stone 3 ft. base 3 ft. high W. or cor.

50.00 Descend 30 ft. to

52.00 Dry wash 150 lks. wide, course W.

55.00 Descend 50 ft. into river bottom, bears S. 45° W.

SUBDIVISION OF T. 40 N. R. 15 W.

- thence over rocky ford gently sloping toward river.
- 67.00 Leave rocky land, bears N. 45° E & S. 45° W., thence over level, sandy bottom land
- 77.00 Dry wash 10 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. 17, 18, 19 & 20, with a brass cap marked T 40 N R 15 W in N. half, S 18 in N.W., S 17 in N.E., S 20 in S.E. & S 19 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor. Nicola tent bears S. 45° W. Land rolling, soil sandy & rocky, coarse texture 2 to 5 ft. deep. Undergrowth cactus & shellac brush.
-
- N. 89° 58' E. on random line bet. secs. 17 & 20.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.80 Intersect N. & S. line at the cor of secs. 16, 17, 20 & 21, ^{hereinbefore described} Thence I run S. 89° 58' W. on true line bet. secs. 17 & 20. Descending gentle N.W. slope over rocky land through cactus & shellac brush 2 to 3 ft. high.
- 5.00 Dry wash 15 lks. wide, course N. 20° W.
- 20.00 Dry wash 10 lks. wide, course N. 20° W.
- 25.50 Dry wash 100 lks. wide, course N. 60° W.
- 27.50 Dry ravine 12 ft. deep, course N. 45° W.
- 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 17 in N. & S 20 in S. half, and raise a mound of stone 3 ft. base 3 ft. high N. of cor. From this cor. George Granger's house bears N. 10° W.
- 45.10 Dry ravine 15 ft. deep, course N.
- 52.50 Dry wash 15 lks. wide, course N. 45° W.
- 65.50 Descend 40 ft. to
- 67.00 Foot of descent bears N. & S. thence over level sandy bottom land.
- 73.40 Dry wash 20 lks. wide, course N. 60° W.
- 75.20 Dry wash 6 lks. wide, course N. 45° W.
- 79.80 The cor. of secs. 17, 18, 19 & 20, hereinbefore described. George Granger's house bears N. 40° E. from this cor. Land rolling, soil rocky & sandy. Medium texture 2 to 5 ft. deep. Undergrowth cactus & shellac brush 3 to 4 ft. high. Dec. 6, 1912.
- At -----
- Dec. 7, 1912, 8 h. 30 m. A.M. 1 m.t. I set off 36° 51' N. on the lat. arc. 22° 34' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 17, 18, 19 & 20, ^{hereinbefore described} Thence I run N. 89° 56' W. on random line bet. secs. 18 & 19
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 77.94 Intersect W. bdy of Tp. 3 lks. N. of cor. of secs. 13, 18, 19 & 24, recently established & described by me in Book "A" Thence I run S. 89° 57' E. on true line bet. secs. 18 & 19
- 2.00 Over level, sandy land.
- 23.35 Telephone line, NE & SW. Wagon road from Litterfield, Arizona to Mesquite, Nevada bears N. 30° E & S 30° W.
- 30.00 Edge of canyon bears N. 30° W. & S. 30° E. descend 130 ft.
- 31.50 Bottom of canyon, rocky wash 20 lks. wide, ~~ascend~~ ascend ~~course SE.~~ course SE.
- 33.00 150 ft. ascend.
- 37.94 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 18 in N. & S 19 in S. half and raise a mound of stone 3 ft. base 3 ft. high W. of cor. and descend.
- 40.00 Foot of descent, bears N. 45° E & S. 45° W., thence over level bottom land.
- 40.30 Small irrigation ditch course S. 45° W. enter cultivated land
- 43.00 Leave cultivated land, bears N. 45° E & S. 45° W. thence through mesquite & shellac brush 6 to 8 ft. high.
- 52.50 Right bank of Virgin River 4 ft. high, bears N. 45° E & S. 45° W.
- 53.40 Edge of water, course S. 45° W. thence across stream by actual measurement water 2 to 3 ft. deep.
- 55.40 Leave water thence over low sand bar
- 57.40 Edge of shallow stream of water 1 to 2 ft. deep course S. 45° W.

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- 58.50 Leave water thence over low sand bar in bed of river.
74.70 Left bank of Virgin River 7 ft. high, thence over rolling sandy land. ^{bears NE. & SW.}
- 77.94 The cor of secs. 17, 18, 19 & 20, hereinbefore described.
W. 30 chs. level bench land, soil sandy, medium texture 2 to 3 ft. deep.
30 to 41 Mountainous soil, rocky & sandy, coarse texture $\frac{1}{2}$ to 2 ft. deep. Undergrowth shellac brush 2 to 4 ft. high.
41 to 52nd level bottom land. Soil alkali, loose, sandy fine soil 3 to 4 ft. deep.
Undergrowth mesquite & shellac brush.
52 to 78 chs. Quicksand river bed.
- N. 0° 03' W. bet. secs. 17 & 18
- 2.05 Left bank of Virgin River 6 ft. high, bears N. 45° E. & S. 45° W. thence over sand bar.
9.30 Edge of shallow stream of water $\frac{1}{2}$ to 2 ft. deep, ^{course SW.}
10.30 Leave water, thence over low sand bar.
11.10 Edge of main stream of water 1 to 2 ft. deep, course S. 45° W.
12.50 Leave stream of water, thence over sand bar in bed of river.
34.75 Right bank of Virgin River 8 ft. high, bears E. & W. through cultivated field, over level bottom land. Field cultivated by Orsen Levy.
- 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 18 in W. & S 17 in E. half, and raise a mound of stone 2 ft. base 2 ft. high W. of cor.
Small stone house, bears N. 40° E. 4 chs. dist.
Peterson's house, bears N. 85° E. 17 chs. dist.
Orsen Levy's house bears N. 89° E. 15 chs. dist.
- 40.80 Small irrigating ditch 3 lks. wide, course S. 70° W., cultivated ~~xx~~ land.
40.90 Wire fence bears S. 70° W. & N. 70° E., thence ascend steep S.E. slope 250 ft.
50.00 Top of ascent thence over level bottom land through shellac brush 2 to 3 ft. high.
65.00 Ravine 550 ft. deep, course S. 60° E.
74.00 Ravine 20 ft. deep course S. 20° E.
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 7, 8, 17 & 18, with a brass cap marked T 40 N, R 15 W in N. half, S 7 in N.W., S 8 in N.E., S 17 in S.E. & S 18 in S.W. quadrant, and raise a mound of stone 3 ft. base 3 ft. high W. of cor.
S. 35 chs. quicksand river bed.
35 to 41 chs. level river bottom land, soil rich, sandy loam fine texture 6 to 8 ft. deep.
41 to 50 chs. mountainous.
50 to 80 chs. level bench land, loose, sandy soil, medium texture, 2 to 3 ft. deep.
Undergrowth shellac brush.
Timber scattering cottonwood, along irrigation ditch.
- At above cor. I set off 22° 37' S. on the decl. arc and at 11 h. 51 m. 30 s. A.M. l.m.t. observe the sun on the meridian and obtain a reading of 36° 52 $\frac{1}{2}$ ' N. on the lat. arc, which agrees with other data.
N. 89° 58' E. on random line bet. secs. 8 & 17.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.90 Intersect N. & S. line 5 lks. N. of cor. of secs. 8, 9, 16 & 17 hereinbefore described.
Thence I run
West on true line bet. secs. 8 & 17
Descending gentle N.W. slope toward river over rocky land through cactus & shellac brush 2 to 3 ft. high.
- 4.90 Dry wash 15 lks. wide, course N. 45° W.
13.80 Dry ravine 9 ft. deep course N. 35° W.
25.20 Left bank of Virgin River 12 ft. high, course S. 45° W.
Thence across river by actual measurement water 1 to 2 ft. deep.
27.30 Leave stream of water thence over low sand bar in bed of river
30.00 Wagon road, bears N. 30° E. & S. 30° W.
36.00 Left bank of Virgin River bears N. 45° W. & S 45° E. ascend 200 ft.

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- 39.95 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, raise a mound of stone 3 ft. base 3 ft. high N. of cor.
- 43.00 Top of ridge ~~beats~~ NE & SW descend 60 ft. to
- 50.00 Dry wash 20 lks. wide, course S. 40° W. ascend 60 ft. to
- 54.00 Top of ascent bears N. 45° W. & S. 45° E., thence over level land through shellac brush 2 to 3 ft. high
- 59.30 Wagon road, bears N. & S.
- 79.90 The cor. of secs. 7, 8, 17 & 18, hereinbefore described.
0 to 26 rolling land, soil rocky & sandy 2 to 3 ft. deep.
26 to 36 quicksand river bed
36 to 54 mountainous
54 to 80 level land, soil sandy, medium texture 2 to 3 ft. deep. Undergrowth shellac brush.
-
- N. 89° 57' W. on random line bet. secs. 7 & 18
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 78.00 Intersect the W. bdy. of Tp. 7 lks. N. of cor. of secs. 7, 12, 13 & 18 recently established by me & described in Book "A"
Thence I run
East on true line bet. secs. 7 & 18 over slightly rolling land through shellac brush 2 to 3 ft. high.
- 10.00 Dry wash 40 lks. wide, course S.
- 38.00 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 7 in N. & S 18 in S. half and raise a mound of stone 2 ft. base 2 ft. high N. of cor.
- 64.00 Wagon road, from Littlefield, Arizona to Mesquite, Nevada, bears N. 50° E. & S. 50° W.
- 71.00 Telephone line from Littlefield, Arizona to Mesquite, Nevada bears N. 10° E. & S. 10° W.
- 72.50 Dry wash 30 lks. wide, course S. 20° E.
- 75.00 Dry ravine 30 ft. deep, course S. 45° E.
- 78.00 The cor. of secs. 7, 8, 17 & 18, hereinbefore described.
Land slightly rolling, soil loose sandy loam, medium texture 2 to 3 ft. deep.
Undergrowth shellac brush.
- Dec. 7, 1912.
-
- Dec. 9, 1912. At 9 h. 30 m. a.m. 1 m. E. I set off 36° 52' N on the lat. arc, and 22° 50' S. on the decl. arc and determine with the solar meridian at the cor. of secs. 7, 8, 17 & 18, hereinbefore described.
Thence I run
N. 0° 03' W. bet. secs. 7 & 8
Ascending slight S. slope over sandy land through shellac brush 2 to 3 ft. high.
- 5.10 Wagon road, from Littlefield, Arizona to Mesquite, Nevada bears N. 45° W. & S. 45° E.
- 7.30 Telephone line from Littlefield, Arizona to Mesquite, Nevada bears N. 30° E. & S. 30° W.
- 16.00 Wagon road, bears N. 20° E. & S. 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 7 in W. & S 8 in E. half, and raise a mound of stone 2 ft. base 2 ft. high W. of cor.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam., 24 ins. in the ground for cor. of secs. 5, 6, 7 & 8, with a brass cap marked T 40 N R 15 W in N. half, S 6 in N.W., S 5 in N.E., S 8 in S.E. & S 7 in S.W. quadrant, and raise a mound of stone 2 ft. base 2 ft. high W. of cor.
Land level, soil very sandy, medium texture 2 to 3 ft. deep
Undergrowth shellac brush
-
- East on random line bet. secs. 5 & 8
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. & S. line 10 lks. N. of cor. of secs. 4, 5, 8 & 9, hereinbefore & described by me in Book "A"
Thence I run
N. 89° 56' W. on true line bet. secs. 5 & 8
Ascending sandy S.E. slope 50 ft. through shellac brush 2 to 3 ft. high.
- 2.50 Wagon road from Littlefield, Arizona to St. George, Utah bears N. & S.

SUBDIVISION OF T. 40 N. R. 15 W.

- 10.00 Top of ascent thence over level land.
- 36.20 Wagon road bears N. 10° W. & S. 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 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 cor.
- 45.00 Dry wash 35 lks. wide, course S. 20° E.
- 64.00 Dry wash 30 lks. wide, course S. 40° E.
- 80.00 The cor. of secs. 5, 6, 7 & 18, hereinbefore described.
Land rolling, soil very sandy, medium texture 2 to 3 ft. deep. Undergrowth shellac brush.
-
- West on random line bet. secs. 6 & 7
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 77.95 Intersect W. bdy of Tp. 3 lks. N. of cor. of secs. 1, 6, 7 & 12, recently estab. & described by me in Book A
Thence I run
N. 89° 59' E. on true line bet. secs. 6 & 7
Over slightly rolling sandy land, through shellac brush 2 to 3 ft. high.
- 33.00 Dry wash 20 lks. wide, course S. 10° E.
- 37.95 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 6 in N. & S 7 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.
- 51.00 Dry wash 20 lks. wide, course S. 10° E.
- 77.95 The cor. of secs. 5, 6, 7 & 8, hereinbefore described.
Land slightly rolling, soil very sandy, medium texture 2 to 3 ft. deep.
Undergrowth shellac brush.
-
- N. 0° 03' W. bet. secs. 5 & 6
Over level sandy land through shellac brush 2 to 3 ft. high.
- 3.10 Dry wash 10 lks. wide, course N. 70° E.
- 7.50 Dry wash 15 lks. wide, course S. 30° E.
- 23.00 Wagon road, bears N. 40° W. & S. 40° E.
- 29.00 Dry wash 5 lks. wide, course S. 20° 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 6 in W. & S 5 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.
- 53.00 Wagon road, bears N. 45° W. & S. 45° E., from Littlefield, Ariz. to Carp Sta. Nev.
- 79.95 Intersect the 10th Standard Parallel N. 9.50 chs. W. of the standard $\frac{1}{4}$ sec. cor. of sec. 32, recently estab. & described by me in Book A
At the above 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. 5 & 6, with a brass cap marked CC S. or center, T 41 N S 31 S 32 in N., T 40 N in S., & R 15 W in W. half, S 5 in S.E., & S 6 in S.W. quadrant, dig pits 24 x 18 x 12 ins. cross-wise on each line E. & W. 3 ft. dist. and S $7\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high S. of cor.
Land level, soil very sandy, medium texture 2 to 3 ft. deep
Undergrowth shellac brush.

Dec. 9, 1912.

GENERAL DESCRIPTION.

The E & S.E. portions of this township are very mountainous, varying from an altitude of 2,000 to 6,000 or 7,000 ft. This portion of the township is not surveyed
Secs. 2, 3, 9, 10, 11, 15, 16, 20, 21, 27, 28, 29, 30, 31 & 32 and the E. half of 4, 17 & 19 lie on a sloping bench bet. the foot of Virgin Mountains & Virgin River. There are a great many loose granite and white quartz rocks scattered over this bench. This bench also affords good grazing for stock.

The Rio Virgin Irrigated Fruit Lands Co. of Salt Lake, Utah propose to divert the water of the Virgin River to water this land.

The Virgin River flows through secs. 4, 8, 9, 11, 18 & 19 of this Tp. The bed of this river is quicksand and the banks are very changeable. There are some large springs of warm mineral water flowing out of the left bank of the river

SUBDIVISION OF T. 40 N. R. 15 W.

Practically every variety of fruit known to the temperate zone is raised along the river bottom in this township. The town of Litterfield is a small settlement of six families situated on the bank of Virgin River in secs. 8 & 9. Good clear water rises in the bed of Beaver Dam Creek and flows a good stream through sec. 5 and empties into the Virgin River in sec. 4.

Secs. 5, 6, 7, 8 & 18 lie on a high level bench which in consists of good sandy soil 2 to 3 ft. deep, underlayed with soft limestone.

There is a grove of cottonwood trees in Secs. 4 & 5. There is 1 settler in Sec. 4, 1 in sec. 5, 5 in sec. 8, 1 in sec. 9, and 3 in sec. 17.

Thomas B. Matthews
U. S. Surveyor

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability,

Thomas B. Matthews, U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of *the subdivision of T 41 N, R 15 W, T 40 N, R 15 & 16 W, T 39 N, R 16 W and the retracement of the Nevada & Arizona base line from mile in. 300 to mile in 319*

of the *Sila and Salt River Base* Meridian, in the State of *Arizona*.

which are represented in the foregoing field notes as having been executed by him, and under his direction; and that said survey has been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
<i>L. C. Thorsen</i>	<i>November 25 1912</i>	<i>Dec 9 1912</i>	<i>Flagman</i>
<i>Henry Trehner</i>	<i>Nov 25 1912</i>	<i>Dec 16 1912</i>	<i>Chairman</i>
<i>Alfred Trehner</i>	<i>Dec 2 1912</i>	<i>Dec 10 1912</i>	<i>Clerk</i>
<i>Alfred Trehner</i>	<i>Dec 10 1912</i>	<i>Dec 18 1912</i>	<i>Flagman</i>
<i>Wallace Swanson</i>	<i>Dec 17 1912</i>	<i>Dec 31 1912</i>	<i>Chairman</i>
<i>Stephen R. Linge</i>	<i>Jan 1 1913</i>	<i>Jan 10 1913</i>	<i>Chairman</i>
<i>John B. Pave</i>	<i>Nov 19 1912</i>	<i>Jan 10 1913</i>	<i>Chairman</i>
<i>Robert Reber</i>	<i>Dec 19 1912</i>	<i>Jan 10 1913</i>	<i>Flagman</i>
<i>Harold Reber</i>	<i>Nov 19 1912</i>	<i>Jan 10 1913</i>	<i>Clerk</i>

Subscribed and certified to before me on the dates of the final service as shown above.

Thomas B. Matthews
U. S. Surveyor.

1992

BOOK 2448

FINAL OATH OF UNITED STATES SURVEYOR.

I, Thomas B. Matthews, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona bearing date of the 6th day of June, 1912, 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 T41 N. R15 W., T40 N., R2 15 W 4 239 N., R16 W. and the extension of the Nevada & Arizona l. l. line from Mile cor. 300 to 319

of the Gila & Salt River Base & Meridian, in the State of Arizona, 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 Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Thomas B. Matthews
U. S. Surveyor.

Subscribed by said Thomas B. Matthews, and sworn to before me }
this 15th day of February, 1913

Frank A. Ingalls
SURVEYOR-GENERAL OF ARIZONA

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR, GENERAL,

Phoenix, Ariz. May 1, 1913

The foregoing field notes of the survey of Subdivision of Township 40
North, Range 15 West,

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.