

1931

Book "C"

4-679

2447

BOOK 2447

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

FIELD NOTES

OF THE SURVEY OF THE

Subdivision of Township 41 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, 1911, 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 Dec. 11, 1912.

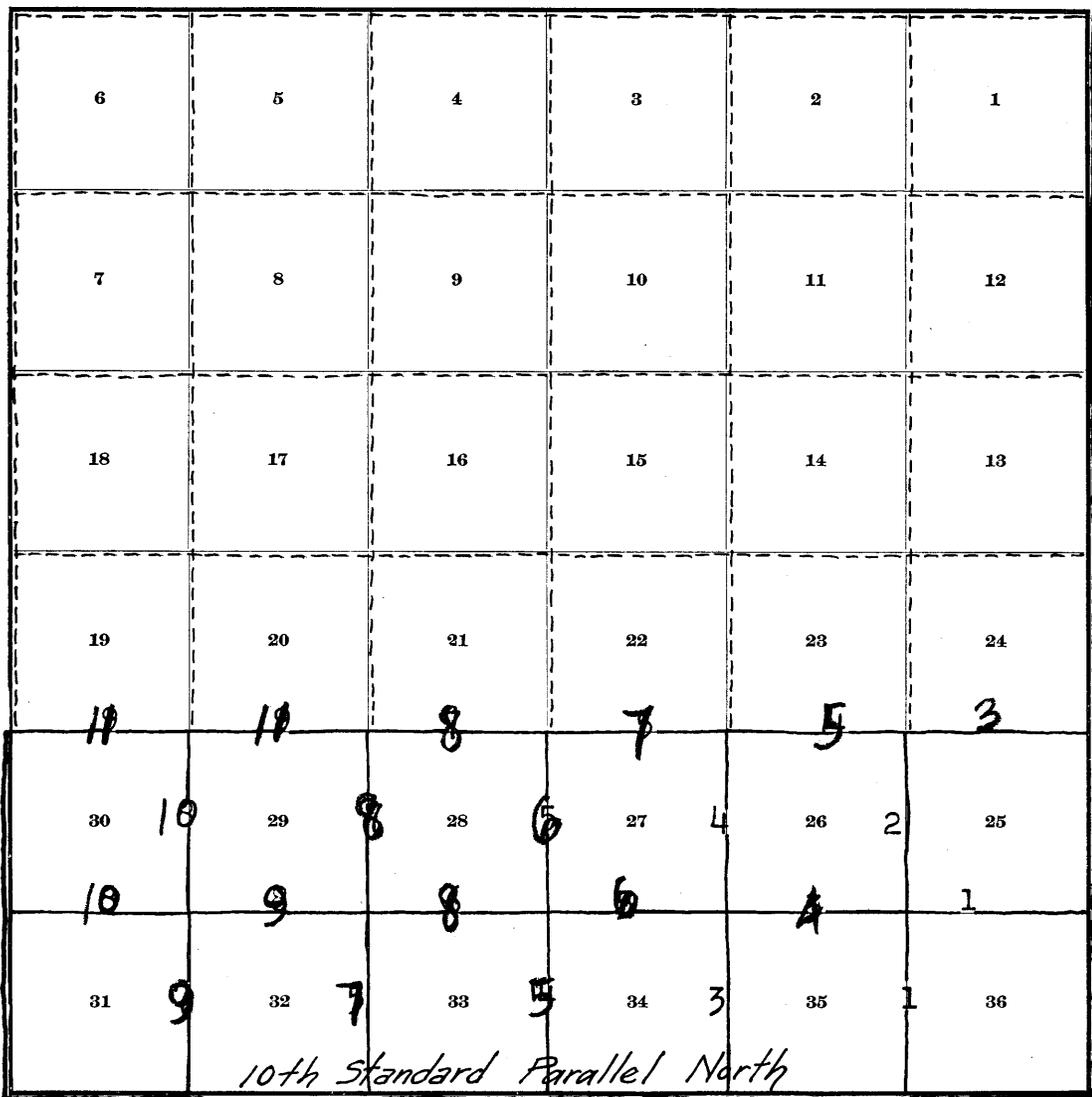
Survey completed Dec. 14, 1912.

1A 194

BOOK 2447

INDEX DIAGRAM.

Township 41 North, Range 15 East.



- Book "B"
- Book "A"
- This book
- ==== Unsurveyed.

Subdivision of Township 41 North, Range 15 West. 1. B

Chains.	
	Survey commenced Dec. 11, 1912, and executed by Thomas B. Matthews, U. S. Surveyor, with a Young and Sons' light mountain transit No. 8480, heretofore described.
	At 8h. 30m., a.m., l.m.t. at the standard cor. of secs. 35 and 36 on S. bdy. of Tp. on 10th. Standard Parallel N., recently established by me, and described by me in Book "A," I set off 36°54' N. on the lat. arc; 22° 58' S. on the decl. arc, and determine a meridian with the solar.
	Thence I run, N. 0° 01' W., bet. secs. 35 and 36.
	Descending gentle N. slope, through cactus and shellac brush, 2 to 3 ft. high.
12.00	Dry wash, 6 lks. wide, course N. 10° W.
18.00	Dry wash, 5 lks. wide, course N. 45° W.
22.00	Dry wash, 10 lks. wide, course N. 45° W.
28.50	Dry wash, 10 lks. wide, course N. 40° W.
34.00	Dry wash, 3 lks. wide, course N. 30° W.
37.80	Dry wash, 20 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 35 in W., and S 36 in E. half; raise a mound of stone 3 ft. base, 3 ft. high, W. of cor.
54.00	Dry wash 5 lks. wide, course N. 45° W.
61.00	Dry wash 40 lks. wide, course W.
67.00	Wagon road, bears N. 60° E. and S. 60° W.
71.30	Edge of bluff along Virgin River, bears N. 45° E. and S. 60° W.; descend 100 ft.
72.50	Left bank of Virgin River, course S. 60° W., thence across river by actual measurement, water 2 to 3 ft. deep, quick sand bottom.
73.50	Leave water, thence over sand bar in river channel.
80.00	Point for cor. of secs. 25, 26, 35 and 36 falls on low sand bar in bed of Virgin River, impractical to set cor. S. 73 chs. gentle N. slope. Soil, sandy loam, with scattering rock, coarse texture 2 to 3 ft. deep. Undergrowth, cactus and shellac brush, 2 to 4 ft. high.

	East, on random line, bet. secs. 25 and 36.
40.00	Set temp. 1/4 sec. cor.
80.04	I intersect E. bdy. of Tp. 5 lks. S. of cor. of secs. 25, 30, 31 and 36, recently established by me, and described in Book "A."
	Thence I run, S. 89° 58' W., on true line, bet. secs. 25 and 36.
	Ascending 250 ft. along N. slope of foot of Virgin Mountains over very rocky land.
6.00	Top of rocky spur, slopes N. 45° W.
10.00	Foot of spur, brs. N. and S.; thence along gentle N. slope, through cactus and shellac brush, 3 to 4 ft. high.
11.00	Dry wash, 30 lks. wide, course N.
15.00	Dry wash, 6 lks. wide, course N.
20.50	Dry wash, 6 lks. wide, course N. 10° E.
29.00	Dry wash, 10 lks. wide, course N.
31.00	Dry wash, 20 lks. wide, course N. 40° W.
35.00	Dry wash, 20 lks. wide, course N.
40.02	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 25 on N., and S 36 on S. half, and raise a mound of stone 3 ft. base, 3 ft. high, N. of cor.
46.00	Dry wash, 6 lks. wide, course N. 10° W.
48.00	Wagon road, brs. N. 45° W., and S. 45° E.
48.50	Dry wash 3 lks. wide, course N. 10° W.
60.00	Wagon road, brs. S. 60° W. and N. 60° E.
73.84	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for witness cor. to cor. of secs. 25, 26, 35 and 36, with a brass cap, marked,

2. Subdivision of Township 41 North, Range 15 West.

Chains.	
	W C N of center, T 41 N R 15 W in N. half; S 26 in NW., S 25 in NE., S 36 in SE., and S 35 in SW. quadrant, and raise a mound of stone 3 ft. base, 3 ft. high, W. of cor.
74.20	Edge of bluff along Virgin River, bears N. and S.; descend 100 ft.
75.00	Left bank of Virgin River, course S.; thence across river by actual measurements, water 2 to 3 ft. deep, flowing over quicksand bottom.
76.50	Leave water, thence over low sand bar in bed of river.
80.04	The point for cor. of secs. 25, 26, 35 and 36 in bed of Virgin River. East 6 chs. mountainous, very rocky; soil, sandy, coarse texture $\frac{1}{2}$ to 2 ft. deep. Undergrowth, scattering cactus and shellac brush, $\frac{1}{2}$ to 2 ft. high. W. 74 chs. rolling soil, rocky and sandy, coarse texture 1 to 2 ft. deep. Undergrowth, cactus and shellac brush 2 to 4 ft. high.

	From true point for cor. of secs. 25, 26, 35 and 36, N. 0° 01' W., bet. secs. 25 and 26. Over sand bar, in river bed.
3.30	Edge of shallow stream of water course S. 45° E.; thence across stream by actual measurement, water $\frac{1}{2}$ to 1 ft. deep.
4.20	Leave shallow stream, thence across low sand bar, in channel.
6.60	Right edge of main stream of Virgin River, course S. 60° E.; thence across stream by actual measurement, water 2 to 3 ft. deep, flows over quick sand bottom.
7.40	Left bank of Virgin River, 6 ft. high, thence over very sandy bottom land, through shellac brush, 2 to 4 ft. high.
10.00	Ascend SW. slope, 30 ft.
13.70	Top of low ridge, slopes N. 70° W.; descend 30 ft. to
14.40	Left bank of Virgin River, 6 ft. high, thence across stream by actual measurement, water 2 to 3 ft. deep, flowing over quick sand bottom.
15.30	Edge of water; thence ascending gentle sand slope.
18.20	Right bank of Virgin River, 3 ft. high, bears E. and W.; thence ascending south slope 100 ft. through shellac brush 2 to 3 ft. high.
23.40	Top of ascent; thence ascending gentle S. slope over bench land.
34.50	Dry wash, 5 lks. wide, course S. 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 26 in W., and S 25 in E. half; dig pits 18x18x12 ins. N. and 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.
49.00	Dry wash, 5 lks. wide, course S. 45° W.
56.00	Dry wash, 20 lks. wide, course S. 20° W.
68.00	Dry wash, 20 lks. wide, course S. 45° W.
71.00	Dry wash, 5 lks. wide, course W.
78.00	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. 23, 24, 25 and 26, with a brass cap, marked, T 41 N R 15 W in N. half; S 23 in NW., S 24 in NE., S 25 in SE., and S 26 in SW. quadrant; dig pits 18x18x12 ins.

Subdivision of Township 41 North, Range 15 West. 3.

Chains.

in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
 0 to 7 chs. quicksand river bed, 7 to 10 chs., sandy river bottom.
 Soil, loose, sandy loam, 3 to 4 ft. deep, fine texture, 10 to 14 chs.; rolling soil, sandy medium texture, 1 to 2 ft. deep; 14 to 18 chs., sandy river bed. 18 to 24 chs. rough hillside; soil, very sandy, coarse texture 1 to 2 ft. deep. 24 to 80 chs. slightly sloping bench land.
 Land, good sandy loam, fine texture, 2 to 3 ft. deep.
 Undergrowth, cactus and shellac brush, 2 to 3 ft. high.

40.00 N. $89^{\circ} 58'$ E. on random line, bet. secs. 24 and 25.
 80.14 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect E. bdy. of Tp. 9 lks. N. of cor. of secs. 19, 24, 25 and 30, recently established and described by me in Book "A."
 Thence I run,
 N. $89^{\circ} 58'$ W., on true line, bet. secs. 24 and 25, descending W slope, over rocky land, through cactus and shellac brush, 2 to 3 ft. high.
 37.30 Dry wash, 15 lks. wide, course S. 60° W.
 40.07 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., and S 25 in S. half; and raise a mound of stone 3 ft. base, 2 ft. high, N. of cor.
 43.80 Dry wash, 10 lks. wide, course S. 30° W.
 45.40 Dry wash, 10 lks. wide, course S. 45° W.
 54.60 Dry wash, 20 lks. wide, course S. 45° W.
 59.00 Dry wash, 15 lks. wide, course S. 60° W.
 70.60 Dry wash, 10 lks. wide, course S. 80° W.
 77.70 Dry wash, 10 lks. wide, course S. 10° W.
 80.14 The cor. of secs. 23, 24, 25 and 26, hereinbefore described. Land slightly rolling.
 Soil, loose, sandy loam, with some scattering rock, medium texture, 2 to 3 ft. deep.
 Undergrowth, cactus and shellac brush, 2 to 3 ft. high.

From the standard cor. of secs. 34 and 35, on S. bdy. of Tp., on 10th Standard Parallel N., recently established by me, and described in Book "A," I run,
 N. $0^{\circ} 01'$ W., bet. secs. 34 and 35, over ploughed land.
 10.30 Wagon road, brs. N. 45° E., and S. 45° W., leave ploughed land; enter cactus and shellac brush, 2 to 3 ft. high.
 29.00 McNight's cabin, bears E. 10 chs.
 30.00 Vertical bank, bears S. 45° E. and N. 45° W.; descend to right bank of Virgin River, course N. 45° W.; thence across river by actual measurement.
 31.50 Left edge of water, water 4 to 6 ft. deep, flowing over quicksand bottom; thence over sand bar in river bed.
 40.00 Point for $\frac{1}{4}$ sec. cor. falls on sand bar in river channel, impractical to set cor.
 43.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for witness corner to $\frac{1}{4}$ sec. cor. with a brass cap, marked W C $\frac{1}{4}$ in S., T 41. N. R 15 W S 34 in W., and S 35 in E half, and raise a mound of stone 3 ft. base, 3 ft. high, W. of cor.
 Thence ascend S. slope, 10 ft. to
 54.20 Top of ascent, thence over level bench land, through cactus and shellac brush, 2 to 3 ft. high.
 59.00 Dry wash, 10 lks. wide, course S. 10° E.
 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 and 35, with a brass cap, marked,
 T 41 N R 15 W in N. half,
 S 27 in NW.,

4. Subdivision of Township 41 North, Range 15 West.

Chains	
	<p>S 26 in NE., S 35 in SE., and S 34 in SW. quadrant; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor. 0 to 30 chs. level bench land; soil, good loose, sandy loam, fine texture, 2 to 3 ft. deep. 30 to 43 chs., sandy river bed. 43. to 54 chs. steep slope; soil, rocky and sandy, $\frac{1}{2}$ to 2 ft. deep. 54 to 80 chs. level bench land; soil, good, sandy loam, fine texture, 2 to 3 ft. deep. Undergrowth, cactus and shellac brush, 2 to 3 ft. high.</p>

	<p>East, on random line, bet. secs. 26 and 35. 40.00 Set temp. $\frac{1}{4}$ sec. cor. 80.10 Intersect the point for cor. of secs. 25, 26, 35 and 36, hereinbefore noted. Thence I run, West, on true line, bet. secs. 26 and 35, over low sand bar in river channel. 7.70 Right bank of Virgin River, 3 ft. high, bears N. and S.; ascend. SE. slope 75 ft. through shellac brush, 2 to 3 ft. high. 15.00 Top of ascent; thence over very sandy bench land. 32.30 Ravine, 50 ft. deep, course S. 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 26 in N., and S 35 in S. half; dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. 41.00 Dry wash, 10 lks. wide, course S. 20° E. 46.00 Gulch, 50 ft. deep, course S. 69.20 Dry wash, 5 lks. wide, course S. 73.50 Dry wash, 25 lks. wide, course E. 70° E. 80.10 The cor. of secs. 26, 27, 34 and 35, hereinbefore described. 0 to 8 chs., sandy river channel. 8 to 15 chs. SE. slope, soil, sandy, medium texture $\frac{1}{2}$ to 2 ft. deep. 15 to 80 chs. level bench land; soil, loose, sandy, medium texture. Soil, 2 to 3 ft. deep. Undergrowth, cactus and shellac brush, 2 to 3 ft. high.</p>

	<p>N. 0° 01' W., bet. secs. 26 and 27. Over level bench land, through cactus and shellac brush, 2 to 3 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 27 in W., and S 26 in E. half; dig pits 18x18x12 ins. N. and 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. 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 and 27, with a brass cap, marked T 41 N. R. 15 W in N. half; S 22 in NW., S 23 in NE., S 26 in SE., and S 27 in SW. quadrants; dig pits 18x18x12 ins. 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, loose, sandy loam, fine texture, 2 to 3 ft. deep. Undergrowth, cactus and shellac brush.</p>

Subdivision of Township 41 North, Range 15 West. 5

Chains.

The cor. of secs. 23, 24, 25 and 26, hereinbefore described, being plainly visible, I run for said cor. East, on random line, bet. secs. 23 and 26.

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

80.00 Intersect the cor. of secs. 23, 24, 25 and 26, hereinbefore described.

Thence I run, West, on true line, bet. secs. 23 and 26. Over slightly rolling bench land, through cactus and shellac brush 2 to 3 ft. high,

27.70 Dry wash, 15 lks. wide, course S. 60° W.

34.50 Dry wash, 7 lks. wide, course S. 45° W.

39.00 Dry wash, 5 lks. wide, course S. 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 23 in N., and S 26 in S. half; dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

47.80 Dry wash, 10 lks. wide, course S. 45° E.

62.00 Dry wash, 70 lks. wide, course S. 40° W.

74.50 Dry wash, 10 lks. wide, course S. 45° E.

77.00 Dry wash, 10 lks. wide, course S. 10° E.

80.00 The cor. of secs. 22, 23, 26 and 27, hereinbefore described. Land, slightly rolling. Soil, loose, sandy loam; fine texture, 2 to 3 ft. deep. Undergrowth, cactus and shellac brush, 2 to 3 ft. high. Dec. 11, 1912.

Dec. 12, 1912.

At 9h. 0m. a.m., l.m.t., I set off 36° 54' N. on the lat. arc; 23° 3 $\frac{1}{2}$ ' S. on the decl. arc, and determine a meridian with the solar at the stand. cor. of secs. 33 and 34, on S. bdy. of Tp., on 10th Stand. Parallel N., recently estab. & desc. by me in Book "A." Thence I run, N. 0° 02' W., bet. secs. 33 & 34. Ascending S. lope 50 ft. over rocky sandy land, through cactus and shellac brush, 2 to 3 ft. high.

10.80 Top of ascent; thence over level bench land.

12.50 Ravine, 50 ft. deep, course E.

13.10 Enter rough canyon, 60 ft. deep.

14.00 Dry wash, 20 lks. wide, course S. 20° E.; ascend 60 ft. to

16.00 Leave canyon, thence ascend gentle sandy slope.

22.60 Enter canyon, 23 ft. deep, course SE.

25.60 Dry wash, 30 lks. wide, course S. 30° E.

27.00 Leave canyon, thence over rolling sandy land.

36.00 Descend steep bank, 40 ft. high, bears N. 30° E. and S. 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 33 in W., and S 34 in E. half, and raise a mound of stone 3 ft. base, 3 ft. high, W. of cor.

41.00 Dry wash, 20 lks. wide, course S. 40° E.

45.00 Ascend steep sandy bank, 30 ft. high, thence over level bench land.

50.00 Dry wash, 20 lks. wide, course E.

51.90 Descend 40 ft. to

52.50 Dry wash, 20 lks. wide, course S. 60° E.; ascend 40 ft. to

58.00 Top of ascent; thence over level bench land.

62.00 Wagon road, bears S. 45° E., and N. 45° W.

67.00 Dry wash, 5 lks. wide, course E.

74.70 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. 27, 28, 33 and 34, with a brass cap, marked
 T 41 N, R 15 W in N. half;
 S 28 in NW.,
 S 27 in NE.,
 S 34 in SE., and
 S 33 in SW. quadrant, and raise a mound of stone 3 ft. base, 3 ft. high, W. of cor.

Chains.

S. 45 chs. rolling and broken soil; sandy and rocky medium texture, 1 to 2 ft. deep.
 N. 35 chs. level; soil, loose, sandy loam, 2 to 3 ft. deep; fine texture.
 Undergrowth, cactus and shellac brush, with some good bunch grass throughout mile.

The cor. of secs. 26, 27, 34 and 35, hereinbefore described, bring plainly visible, I run for said cor., East on random line, bet. secs. 27 and 34.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect the cor. of secs. 26, 27, 34 and 35, hereinbefore described.
 Thence I run,
 West, on true line, bet. secs. 27 and 34, over level land through shellac brush 2 to 3 ft. high.
 3.20 Dry wash, 15 lks. wide, course S. 10°W.
 20.20 Dry wash, 15 lks. wide, course S.
 25.70 Dry wash, 70 lks. wide, course S.
 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 N., and S 34 in S. half; dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 47.10 Dry wash, 100 lks. wide, course S. 10°E.
 53.00 Dry wash, 15 lks. wide, course S. 30°E.
 72.50 Dry wash, 5 lks. wide, course S. 50°E.
 80.00 The cor. of secs. 27, 28, 33 and 34, hereinbefore described. Land, level.
 Soil, loose, sandy loam, fine texture, 2 to 3 ft. deep.
 Undergrowth, cactus and shellac brush 2 to 3 ft. deep.

N. 0° 2' W., bet. secs. 27 and 28.
 Over level bench land, through cactus and shellac brush, 2 to 3 ft. high.
 4.70 Dry wash, 10 lks. wide, course S. 30°E.
 8.00 Dry wash, 10 lks. wide, course S. 20°E.
 15.20 Dry wash, 10 lks. wide, course S. 45°E.
 31.20 Telephone line from Littlefield, Arizona to St. George, Utah, N. 10°E. and S. 10°W.
 37.50 Dry wash, 10 lks. wide, course S. 40°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., and S 27 in E. half, and raise a mound of stone 2 ft. base, 2 ft. high, W. of cor.
 50.00 Dry wash, 20 lks. wide, course S. 60°E.
 70.00 Dry wash, 15 lks. wide, course S. 45°E.
 75.11 Dry wash, 10 lks. wide, course S. 45°E.
 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 and 28, with a brass cap, marked
 T 41 N R 15 W in N. half,
 S 21 in NW.,
 S 22 in NE.,
 S 27 in SE., and
 S 28 in SW. quadrant; dig pits 18x18x12 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, loose, sandy loam, fine texture, 1 to 3 ft. deep laying on soft limestone.
 Undergrowth, cactus and shellac brush, 2 to 3 ft. high.

The cor. of secs. 22, 23, 26 and 27 hereinbefore described,

Subdivision of Township 41 North, Range 15 West. 7.

Chains.

- Thence I run,
S. 89° 58' W. on a true line, bet. secs. 22 and 27, over level bench land, through shellac brush, 2 to 3 ft. high.
- 27.70 Dry wash, 5 lks. wide, course S. 60° E.
34.50 Dry wash, 70 lks. wide, course S. 45° W.
39.00 Dry wash, 5 lks. wide, course S. 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 22 in N., and S 27 in S. half; dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 42.80 Dry wash, 10 lks. wide, course S. 45° E.
62.00 Dry wash, 70 lks. wide, course S. 45° E.
70.00 Telephone from Littlefield, Arizona to St. George, Nevada, bears N. 30° E. and S. 30° W.
74.50 Dry wash, 10 lks. wide, course S. 45° E.
77.00 Dry wash, 10 lks. wide, course S. 10° E.
80.00 The cor. of secs. 21, 22, 27 and 28, hereinbefore described. Land, slightly rolling, Soil, loose, sandy loam, fine texture, 2 to 3 ft. deep. Undergrowth, cactus and shellac brush.
Dec. 12, 1912.
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- Dec. 13, 1912. At 9h. a.m., l.m.t., I set off 36° 54' N. on the lat. arc, and 23° 7 $\frac{1}{2}$ ' S. on the dec. arc, and determine a meridian with the solar at the point for the standard cor. of secs. 32 and 33 on S. bdy. of Tp. on 10th Standard Parallel North, recently established by me, and described in Book "A."
- Thence I run,
N. 0° 03' W., bet. secs. 32 and 33.
Through dry bed of Beaver Dam Creek.
- 2.00 Left bank of Beaver Dam Creek 4 ft. high, course S. 30° E. Thence over level bottom land, through shellac and mesquite 5 to 6 ft. high, with a few scattering cottonwood trees.
- 10.00 Leave bottom land, and scattering trees; ascend SW. slope, 50 ft. through shellac brush 2 to 3 ft. high.
18.50 Top of ascent, brs. NW. and SE.; thence over level bench land, through shellac brush 2 to 3 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 32 in W., and S 33 in E. half; dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist., and raise mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 78.90 Wagon road, brs. N. 20° W. and 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. 28, 29, 32 and 33, with a brass cap, marked
T 41 N, R 15 W in N. half,
S 29 in NW.,
S 28 in NE.,
S 33 in SE., and
S 32 in SW. quadrant, and raise a mound of stone 3 ft. base, 3 ft. high, W. of cor.
- 0 to 2 chs., creek bed.
2 to 10 chs., creek bottom, rich sandy loam; soil, fine texture, 6 to 8 ft. deep.
Undergrowth, shellac and mesquite brush, 5 to 6 ft. high. Few scattering cottonwood trees 10 to 20 chs.; SW. slope. Soil, loose and sandy, medium texture, 1 to 2 ft. deep.
20 to 80 chs. level bench land.
Soil, loose, sandy loam, fine texture, 2 to 3 ft. deep. Undergrowth, on N. 70 chs., shellac brush 2 to 3 ft. deep.
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8. Subdivision of Township 41 North, Range 15 West.

Chains.	
	East, on random line, bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect N. and S. line at the cor. of secs. 27, 28, 33 and 34, hereinbefore described.
	Thence I run,
	West, on true line, bet. secs. 28 and 33, over level bench land, through shellac brush, 2 to 3 ft. high.
7.10	Telephone line from Littlefield, Arizona to St. George, Utah, bears N. 30° E. and S. 30° W.
12.80	Dry wash, 3 lks. wide, course S. 20° E.
17.50	Dry wash, 20 lks. wide, course S. 30° E.
24.30	Dry wash, 10 lks. wide, course S. 45° E.
33.75	Wagon road from Littlefield, Arizona, to St. George, Utah, brs. N. 20° E. and S. 20° 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 28 in N., and S 33 in S. half; dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
49.00	Dry wash, 5 lks. wide, course S.
50.00	Dry wash, 5 lks. wide, course S. 45° E.
67.50	Descend SW. slope, 250 ft. to
77.50	Foot of descent; thence over level bench land.
79.92	The cor. of secs. 28, 29, 32 and 33, hereinbefore described.
	E. 68 chs. level; soil, loose, sandy loam, fine texture, 2 to 3 ft. deep.
	W. 12 chs. SW. slope, soil, sandy and rocky, 1 to 2 ft. deep.
	Undergrowth, cactus and shellac brush, 2 to 3 ft. high.

	N. $0^{\circ}03'$ W., bet. secs. 28 and 29.
	Ascending SW. slope 250 ft. through shellac brush, 2 to 3 ft. high.
20.00	Top of ascent, thence over level bench 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 29 in W. and S 28 in E. half; raise mound of stone, 2 ft. base, 2 ft. high, W. of cor.
56.00	Dry wash, 10 lks. wide, course S. 30° E.
61.50	Dry wash, 50 lks. wide, course S. 45° E.
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 and 29, with a brass cap, marked
	T 41 N, R 15 W in N. half,
	S 20 in NW.,
	S 21 in NE.,
	S 28 in SE., and
	S 29 in SW. quadrant; dig pits 18x18x12 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. 20 chs. steep slope.
	N. 60 chs. level bench land.
	Soil, loose, sandy loam; fine texture, 2 to 3 ft. deep.
	Undergrowth, shellac brush, 2 to 3 ft. high.

	The cor. of secs. 21, 22, 27 and 28, hereinbefore described, being plainly visible, I run for said cor.
	N. $89^{\circ}59'$ E., on random line, bet. secs. 21 and 28.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line at the cor. of secs. 21, 22, 27 and 28, hereinbefore described.
	Thence I run,
	S. $89^{\circ}59'$ W., on true line, bet. secs. 21 and 28.
	Over level bench land, through shellac brush, 2 to 3 ft. high.
20.40	Wagon road from Littlefield, Arizona to St. George, Utah, bears N. 10° E. and S. 10° W.
31.30	Dry wash, 15 lks. wide, course S. 60° E.

Subdivision of Township 41 North, Range 15 West. 9.

Chains.
 37.50 Dry wash, 15 lks.wide, course S.45°E.
 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 21 in N.and S 28 in S.half; dig pits 18x18x12 E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
 53.00 Old wagon road, brs. N.30°E., and S.30°W.
 55.00 Dry wash, 10 lks.wide, course S.45° E.
 68.80 Dry wash, 5 lks.wide, course S.45°E.
 80.08 The cor. of secs. 20,21, 28 and 29, hereinbefore described. Land,level.
 Soil, loose, sandy loam, fine texture, 2 to 3 ft. deep.
 Undergrowth,cactus and shellac brush.
 Dec. 13, 1912.

 Dec. 14, 1912.
 From the standard cor. of secs.31 and 32, on S. bdy.or Tp., on 10th Standard Parallel North, recently established by me and described in Book "A," I run, N.0° 03'W., bet. secs. 31 and 32.
 Over level land, through shellac brush, 2 to 3 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 31 in W., and S 32 in E. half; dig pits 18x18x12 ins. N.and 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.
 46.00 Descend NE. slope, 300 ft.
 52.20 Dry gulch, 100 ft. deep, course east.
 74.00 Foot of descent; enter Beaver Dam Creek bottom, bears N. 20°W. and S.20°E.; thence over level bottom land, through shellac and mesquite brush 6 to 8 ft. high.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor.of secs.29,30,31 and 32, with a brass cap, marked
 T 41 N R 15 W in N.half,
 S 30 in NW.,
 S 29 in NE.,
 S 32 in SE., and
 S 31 in SW. quadrant; dig pits 18x18x12 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.46 chs.level.
 Soil, very sandy, medium texture 2 to 3 ft. deep.
 Undergrowth, shellac brush, with scattering yucca trees.
 49 to 74 chs. rough NE.slope.
 Soil, very sandy, 1 to 2 ft. deep.
 74 to 80 chs.,level bottom land; rich sand loam; soil fine texture, 6 to 8 ft. deep.
 Undergrowth,shellac and mesquite.brush, 6 to 8 ft.high.

 East, on random line, bet. secs.29 and 32.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.00 Intersect N.and S. line at the cor.of secs. 28,29,32 and 33, hereinbefore described.
 Thence I run,
 West, on true line, bet. secs.29 and 32, over level bench land, through shellac brush 2 to 3 ft. high.
 1.00 Wagon road, brs. N.10°W. and S.10°E.
 24.30 Wagon road, brs. S.20°E., and 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 N., and S 32 in S.half; dig pits 18x18x12 ins. E. and W. of cor. 3 ft. distant, and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,N.of cor.
 50.00 Descend 50 ft.
 51.00 Foot of descent, bears N.30°W. and S.30°E.; thence over

10. . . Subdivision of Township 41 North, Range 15 West.

Chains.	bottom of Beaver Dam Creek, through shellac and mesquite brush, 6 to 8 ft. high.
55.00	Left bank of Beaver Dam Creek, 3 ft. high, course S.30°E.
58.00	Right bank of Beaver Dam Creek, 3 ft. high, thence over level bottom land.
80.00	The cor. of secs. 25, 30, 31 and 32, hereinbefore described. E. 50 chs. level bench land. Soil, loose, sandy loam 2 to 3 ft. deep; undergrowth, shellac brush, 2 to 3 ft. high. W. 30 chs. level creek bottom; soil, rich sandy loam, 6 to 8 ft. deep. Undergrowth, shellac and mesquite brush, 6 to 8 ft. high.

	At above cor. I set off 23°13'S. on the decl. arc, and at 1h. 54m. 43s. a.m., l.m.t., I observe the sun on the meridian, and obtain on the lat. arc, the reading of 36°55'N., which agrees with other data. West, on random line, bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.85	Intersect W. bdy. of Tp. 12 lks. S. of cor. of secs. 25, 30, 31 and 36, recently established by me, and described in Book "A." Thence I run, S. 89°55'E., on true line, bet. secs. 30 and 31, over level bench land, through shellac brush, 2 to 3 ft. high.
39.85	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., and S 31 in S' half; dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
58.00	Leave level land, bears N.30°W., and S.30°E.; descend 400 ft. over very sandy slope.
78.90	Foot of descent, brs. NW. and SE.; thence over level bottom of Beaver Dam Creek, through shellac and mesquite brush, 6 to 8 ft. high.
79.95	The cor. of secs. 29, 30, 31 and 32, hereinbefore described. W. 58 chs. level; soil, loose, sandy loam, medium texture, 2 to 3 ft. deep. Undergrowth, shellac brush, 2 to 3 ft. high, with scattering yucca trees. East 22 chs. sandy NE. slope; soil, very sandy, medium texture, 1 to 2 ft. deep. Undergrowth, shellac brush, 1 to 2 ft. high.

	N. 0°03'W., bet. secs. 29 and 30. Over level bottom land, through shellac and mesquite brush, 6 to 8 ft. high.
15.00	Right bank of Beaver Dam Creek, 3 ft. high, course S.20°E.
17.10	Left bank of Beaver Dam Creek, 3 ft. high course SE.
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.; and S 29 in E. half, and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.
40.80	Leave creek bottom, brs. N.30°W. and S.30°E.; ascend 70 ft. through shellac brush, 2 to 3 ft. high.
47.00	Top of ascent, thence over level bench land, through shellac brush 2 to 3 ft. high.
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 and 30, with a brass cap, marked T 41 N R 15 W in N. half, S 19 in NW., S 20 in NE., S 29 in SE., and S 30 in SW. quadrant; dig pits 18x18x12 ins., in each sec. 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth

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

4 ft. base 2 ft. high W. of cor.
 S. 40 chs land level bottom.
 Soil loose sandy loam, fine texture, 6 to 8 ft. deep.
 Undergrowth shellac & mesquite brush 6 to 8 ft. high.
 40 to 47 chs. steep S.W. slope. Soil loose sandy loam
 with loose rock, coarse texture $\frac{1}{2}$ to 1 ft. deep, under-
 growth low shellac brush.
 N. 33 chs. level bench land, soil sandy loam, medium tex-
 ture, 2 to 3 ft. deep. Undergrowth shellac brush 2 to 3 ft.
 high.

 East on random line bet. secs 20 & 29
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. & S. line at the cor. of secs. 20, 21, 28 &
 29, hereinbefore described.
 Thence I run
 West on true line bet. secs. 20 & 29
 Over level bench land through shellac brush 2 to 3 ft. high
 19.50 Dry wash 15 lks. wide, course S. 30° E.
 28.00 Dry wash 5 lks. wide, course S. 45° E.
 39.00 Dry wash 5 lks. wide, course S. 40° 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, dig pits 18 x 18 x 12 ins. E. & W. of
 cor. 3 ft. distant and raise a mound of earth $3\frac{1}{2}$ ft.
 base $1\frac{1}{2}$ ft. high N. of cor.
 50.00 Leave level land, bears N. 30° W. & S. 30° E. descend 250
 ft. along steep S.W. slope
 51.50 Foot of descent, thence over level bench land
 71.10 Wagon road, bears N. 45° W. & S. 45° E.
 80.00 The cor. of secs. 19, 20, 29 & 30, hereinbefore described.
 0 to 50 & 57 to 80 chs. level bench land, loose sand
 soil, medium texture, 2 to 3 ft. deep.
 50 to 57 chs. steep S.W. slope, soil sandy and rocky
 coarse texture $\frac{1}{2}$ to 1 ft. deep, undergrowth shellac brush
 2 to 3 ft. high.-----

 N. 89° 55' W. on random line bet. secs. 19 & 30.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.86 Intersect the W. bdy. of Tp. 12 lks. N. of cor. of secs.
 19, 24, 25 & 30, recently estab. by me & described in Book "A".
 Thence I run
 East on true line bet. secs. 19 & 30, over level bench
 land, through shellac brush 2 to 3 ft. high.
 14.35 Rim rock bears N. 20° W. & S. 20° E. descend 400 ft.
 21.50 Foot of descent, thence over level bottom land ^{of Beaver Dam Creek} through
 shellac & mesquite brush 6 to 8 ft. high.
 29.00 Dry wash 150 lks. wide, course S. 45° E.
 39.86 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, from which a willow tree 6 ins. in
 diam bears S. 70° E. 207 lks. dist. ^{marked $\frac{1}{4}$ S 30 BT} A mesquite tree 6 ins
 in diam bears N. 19° E. 264 lks. distant, ^{marked $\frac{1}{4}$ S 19 BT}
 50.00 Right bank of Beaver Dam Creek 3 ft. high course S. 20° E
 56.00 Left bank of Beaver Dam Creek 3 ft. high, " " " "
 63.00 Leave bottom land bears N. 20° W. & S. 20° E. ascend 70 ft.
 70.00 Top of ascent, thence over level bench land through
 shellac brush 2 to 3 ft. high
 79.86 The cor. of secs. 19, 20, 29 & 30, hereinbefore described.
 0 to 14 & 70 to 79.89 chs. level bench land, soil loose
 sandy, medium texture, 2 to 3 ft. deep.
 14 to 21 & 63 to 70 chs. steep hillside. Soil sandy & rocky
 coarse texture $\frac{1}{2}$ to 1 ft. deep
 Undergrowth shellac brush 2 to 3 ft. high.
 21 to 63 chs. level creek bottom, loose sandy loam, soil
 fine texture 4 to 6 ft. deep. Undergrowth shellac & mes-
 quite brush 6 to 8 ft. high with scattering willow trees.

Dec. 14, 1912.

GENERAL DESCRIPTION.

The East bdy. of the township extends right up to the foot
 of Beaver Dam Mountain, along this bdy. the land is very
 rocky. Secs. 26, 27, 28, 31, 33, E. $\frac{1}{2}$ of secs. 25 & 29
 & W. $\frac{1}{2}$ of sec. 30 lie on a level bench slightly sloping to
 the South, the soil is a rich sandy loam, practically free
 from rock, capable of producing abundant crops if irrigated

GENERAL DESCRIPTION.

Beaver Dam ~~Creek~~ cuts through secs. 29, 30 & 32 along which there is a narrow bottom of very rich soil. Except for the flood seasons Beaver Dam ~~Creek~~ is dry until just before it reaches the South bdy. of Tp. where the water begins to raise out of the sand in the bed of the stream.

Along the East side of Beaver Dam ~~Creek~~ through secs. 29, 30, 32 & 33 there is a low bench about 40 chs. wide, of very good sandy ~~loam~~ soil which could be irrigated from the proposed dam in Virgin River.

Virgin River enters the E. bdy. of sec. 25, flowing through a gorge in the mountains 200 to 500 ft. deep, which offers an excellent sight for a dam. After the river leaves this gorge it flows through a very sandy channel through secs. 25, 26, 34 & 35. There are a few small bottoms along this river.

Sec. 36 & the S.E. $\frac{1}{4}$ of sec. 35 lie on a rocky ~~N.W.~~ slope on which there is some good bench grass.

In the S. half of sec. 1 of this township there is a deep sink hole in comparatively level land, which appears that it had occurred within comparative recent date.

There are some large springs of warm mineral water flowing out of the left bank of Virgin River in secs. 25, 34 & 35.

~~Thomas B. Matthews, U. S. Surveyor.~~

Thomas B. Matthews
U. S. Surveyor

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BOOK 2447 BOOK 2447

for FINAL OATH OF UNITED STATES SURVEYOR. to

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 _____
The Subdivision lines of Tp. 41 N., R. 15 West, Gila and Salt
River Base and Meridian, Arizona,

executed by Thomas B. Matthews,
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.