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Book "E," BOOK 2698  
Subdivisions,

# FIELD NOTES

OF THE SURVEY OF THE

Subdivision lines

of

Township 4 South, Range 16 West,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

W. H. Thorn,

In the capacity of U. S. Surveyor, under instructions dated February 26, 1913, issued by the United States Surveyor General to govern surveys included in Group No. 28, which were approved by the Commissioner of the General Land Office, March 12, 1913, pursuant to authority contained in the Act of Congress dated June 23, 1913,

Survey commenced July 2, 1913.

Survey completed July 26, 1913.

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(A)

BOOK 2698

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———— Book "A"  
 ————— Book "B"  
 - - - - - Unsurveyed.

Chains.

Survey commenced July 2, 1913, and executed with a Young and Sons' light mountain transit No. 8592, with Smith solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the latitude and declination arcs.

I examine the adjustment of the transit, and correct the level and collimation errors. Then to test the solar apparatus by comparing its indications resulting from solar observation made during a.m. and p.m. hours, with a meridian determined by observation on Polaris.

At camp, in sec. 23, at 12h. 53m. a.m., l.m.t., observe Polaris at eastern elongation, and marked the line thus determined by a tack in a wood hub set 5 chs. north of my station.

At 7h. 0m. a.m., l.m.t., I lay off the azimuth of Polaris, 1°22' to the west, and mark the meridian thus determined by a tack driven in a wooden plug set 65.00 chs. north of my station. Before taking solar observations, I test all the adjustments of the solar apparatus in accordance with special instructions to U.S. Surveyor and transitman, page 2.

At 8h. 0m. a.m., l.m.t., I set off 33°04' N. on the lat. arc, and 23°04½' N. on the decl. arc, and determine a meridian with the solar. The meridian thus determined falls at the same point established by observation on Polaris.

At 4h. 0m. p.m., l.m.t., I set off 33°04' N. on the lat. arc; with 23°04½' N. on the decl. arc, and determine a meridian with the solar. The meridian thus determined falls at the exact point established by observation on Polaris. By a.m. and p.m. observations, I find the solar in good adjustment. July 2, 1913.

July 3, 1913. At 1h. 0m. p.m., l.m.t., I set off 33°01½' N. on lat. arc; and 22°58½' N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, south bdy. of T. 4 S., R. 16 W., established by W.K. Kierulff, U.S. Transitman, as described in Book "A."

Thence I run, N. 0°01' W., on a true line, bet. secs. 35 and 36. Over level land, through greasewood brush, 4 to 6 ft. high.

20.20 Wash, 60 lks. wide, 2 ft. deep, course S. 25° E.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked  
S 35 on W. half; and  
S 36 on E. half;

1913 on S. half near edge;

dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.

41.70 Wash, 8 lks. wide, course S. 25° E.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, with brass cap, marked

T 4 S S 26 in NW.,  
R 16 W S 25 in NE.,  
S 36 in SE., and  
S 35 in SW. quadrants;

1913 on S. half; from which,

A mesquite, 6 ins. in diam., brs. N. 43° 40' W., 124 lks. dist., marked T 4 S R 16 W S 26 B T.

No other trees. Dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, level adobe soil.  
Scattering timber, palo verde, ironwood and mesquite.  
Greasewood brush.

## BOOK 2698

2. Subdivision of Township 4 South Range 16 West.

Chains

- East, on a random line, bet. secs. 25 and 36.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.09 Intersect east bdy. of township 7 lks. N. of cor. of secs. 25, 30, 31 and 36, established by me, as described in Book "B."  
 Thence I run,  
 N.  $89^{\circ}57'$  W. on a true line, bet. secs. 25 and 36.  
 Over level land, through greasewood brush.  
 37.91 Mohawk and King Mine Telephone line, bears N.  $35^{\circ}$  W. and S.  $35^{\circ}$  E.  
 39.77 Mohawk and King Mine wagon road brs. N.  $35^{\circ}$  W. and S.  $35^{\circ}$  E.  
 40.045 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked  
 $\frac{1}{4}$  S 25 on N. half; and  
 $\frac{1}{4}$  S 36, 1913 on 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.  
 60.49 Wash, 20 lks. wide, 5 ft. deep, course SE.  
 68.39 Wash, 30 lks. wide, 4 ft. deep, course SE.  
 80.09 Cor. of secs. 25, 26, 35 and 36.  
 Land, level.  
 Adobe soil, greasewood brush, palo verde and ironwood along washes.

July 3, 1913.

July 5, 1913.

At 8h. 0m. a.m., l.m.t., I set off  $33^{\circ}02\frac{1}{2}'$  N. on the lat. arc; and  $22^{\circ}50'$  N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 25, 26, 35 and 36.

Thence I run,

N.  $0^{\circ}01'$  W., on a true line, bet. secs. 25 and 26.  
 Over level land, through greasewood brush, 6 to 8 ft. high.

- 6.40 Wash, 6 lks. wide,  $1\frac{1}{2}$  ft. deep, course SE.  
 12.20 Wash, 12 lks. wide, 2 ft. deep, course SE.  
 39.70 Wash, 15 lks. wide, 2 ft. deep, course S.  $40^{\circ}$  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 brass cap, marked  
 $\frac{1}{4}$  S 26 on W. half; and  
 S 25 on E. half;  
 1913 on S. half near edge; from which,  
 A palo verde, 3 ins. in diam., brs. S.  $15^{\circ}45'$  W., 36 lks. dist., marked  $\frac{1}{4}$  S 26 B T.  
 A palo verde, 4 ins. in diam., brs. N.  $41^{\circ}30'$  E., 25 lks. dist., marked  $\frac{1}{4}$  S 25 B T.  
 44.40 Phoenix and Yuma auto road, brs. NW. and SE.  
 46.60 Telephone line, Mohawk and King mine, brs. NW. and SE.  
 60.90 Wash, 12 lks. wide, 2 ft. deep, course SE.  
 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 brass cap, marked,  
 T 4 S S 23 in NW.,  
 R 16 W S 24 in NE.,  
 S 25 in SE., and  
 S 26 in SW. quadrants;  
 1913 on S. half;  
 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.  
 Adobe soil; greasewood brush.  
 Scattering palo verde and ironwood timber along washes.

- 40.00 Thence East on a random line, bet. secs. 24 and 25.  
 Set temp.  $\frac{1}{4}$  sec. cor.

Subdivision of Township 4 South, Range 16 West. 3.

Chains.

80.03 Intersect east bdy. of Tp., 7 lks. south of the cor. of secs. 19, 24, 25 and 30, established by me, as described in Book "B."  
 Thence I run,  
 S. 89° 57' W., on a true line, bet. secs. 24 and 25.  
 Over level land, through greasewood brush.  
 7.25 Wash, 8 lks. wide, 2 ft. deep, course S. 40° E.  
 17.23 Wash, 10 lks. wide, 2 ft. deep, course S. 40° E.  
 26.13 Old road, brs. NW. and SE.  
 40.015 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked  $\frac{1}{4}$  S 24 on N. half; and  $\frac{1}{4}$  S 25, 1913 on S. half; from which,  
 A palo verde, 6 ins. in diam., brs. N. 6° 30' E., 68 lks. dist., marked  $\frac{1}{4}$  S 24 B T.  
 No other tree within limits. Dig pits, 18x18x12 ins., E. and W. of cor.  $\frac{3}{4}$  ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 48.00 Wash, 10 lks. wide, 2 ft. deep, course SE.  
 69.60 Wash, 20 lks. wide, 2 ft. deep, course SE.  
 76.20 Phoenix and Yuma auto road, brs. NW. and SE.  
 80.03 Cor. of secs. 23, 24, 25 and 26.  
 Land, level.  
 Adobe soil; scattering brush. Palo verde and ironwood along washes.  
 The largest trees have been cut.

N. 0° 01' W., on a true line, bet. secs. 23 and 24, over level land, through scattering brush.  
 3.30 Phoenix and Yuma road, bears NW. and SE.  
 10.60 Wash, 25 lks. wide, 2 ft. deep, course SE.  
 12.20 Wash, 8 lks. wide, course SE.  
 28.40 Old road brs. NW. and 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 brass cap, marked  $\frac{1}{4}$  S 23 on W. half, and  $\frac{1}{4}$  S 24 on E. half;  
 1913 on S. half near edge;  
 dig pits 18x18x18x12 ins., N. and S. of cor.,  $\frac{3}{4}$  ft. dist., and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 54.20 Wash, 6 lks. wide, course S. 40° E.  
 62.20 Wash, 10 lks. wide, 2 ft. deep, course SE.  
 69.30 Wash, 10 lks. wide, course S. 40° E.  
 73.10 Wash, 15 lks. wide, 3 ft. deep, course SE.  
 76.90 Wash, 10 lks. wide, 2 ft. deep, course S. 40° E.  
 78.90 Wash, 8 lks. wide, course SE.  
 79.30 Old road brs. E. and W.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, with brass cap, marked  
 T 4 S S 14 in NW.,  
 R 16 W S 13 in NE.,  
 S 24 in SE., and  
 S 23 in SW. quadrants;  
 1913 on S. half near edge; from which,  
 A palo verde, 16 ins. in diam., brs. N. 44° 50' E., 146 lks. dist., marked T 4 S R 16 W S 13 B T.  
 A palo verde, 6 ins. in diam., bears S. 13° E., 138 lks. dist., marked T 4 S R 16 W S 24 B T.  
 A palo verde, 14 ins. in diam., brs. S. 49° 30' W., 129 lks. dist., marked T 4 S R 16 W S 23 B T.  
 A palo verde, 6 ins. in diam., brs. N. 89° 30' W., 26 lks. dist., marked T 4 S R 16 W S 14 B T.  
 Land, level.  
 Adobe soil, scattering greasewood brush.  
 Palo verde and ironwood along washes.

## BOOK 2698

4. Subdivision of Township 4 South, Range 16 West.

Chains.

Thence East on a random line, bet. secs. 13 and 24.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.07 Intersect east bdy. of Tp., 14 lks. south of cor. of secs. 13, 18, 19 and 24, established by me, as described in Book "B."  
 Thence I run,  
 S  $89^{\circ} 54' W$ , on a true line, bet. secs. 13 and 24.  
 Over level land, through greasewood brush.  
 4.37 Wash, 8 lks. wide, course SE.  
 6.37 Wash, 10 lks. wide, course SE.  
 7.27 Wash, 10 lks. wide, course SE.  
 10.00 Wash, 10 lks. wide, course S  $25^{\circ} E$ .  
 22.00 Wash, 8 lks. wide, course SE.  
 24.67 Wash, 10 lks. wide, course S  $40^{\circ} E$ .  
 40.035 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked  $\frac{1}{4}$  S 13 on N. half; and S 24 1913 on S. half;  
 dig pits, 18x18x12 ins., E. and W. of corner 3 ft. dist. and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of corner.  
 72.00 Road brs. NE. and SW.  
 77.47 Wash, 10 lks. wide, course S  $40^{\circ} E$ .  
 80.07 Corner of secs. 13, 14, 23 and 24.  
 Land, level, adobe soil.  
 Greasewood brush.  
 Palo verde and ironwood along washes.

July 5, 1913.

July 10, 1913: At 8h.0m. a.m., l.m.t., I set off  $33^{\circ} 04\frac{1}{2}' N$ . on lat. arc, and  $22^{\circ} 17' N$ . on decl. arc, and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24.

Thence I run,  
 N  $0^{\circ} 01' W$ , on a true line, bet. secs. 13 and 14.  
 Over level land, through greasewood brush.  
 3.80 Wash, 10 lks. wide, course SE.  
 7.30 Wash, 10 lks. wide, course SE.  
 35.00 Wash, 10 lks. wide, course S  $40^{\circ} E$ .  
 36.00 Wood road, brs. N  $45^{\circ} E$ . and S  $50^{\circ} W$ .  
 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 brass cap, marked  $\frac{1}{4}$  S 14 on W. half;  
 S 13 on E. half; and  
 1913 on S. 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.  
 60.00 Wash, 15 lks. wide, 2 ft. deep, course SE.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, with brass cap, marked  
 T 4 S S 11 in NW.,  
 R 16 W S 12 in NE.,  
 S 13 in SE., and  
 S 14 in SW. quadrants;  
 1913 on S. half;  
 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.  
 Adobe soil.  
 Greasewood brush. Palo verde and ironwood along washes.  
 July 10, 1913.

Subdivision of Township 4 South, Range 16 West. 5.

Chains.

July 11, 1913: At 9h.0m. a.m., l.m.t., I set off 33°05' N. on lat. arc, and 22°09' N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 11, 12, 13 and 14, above described.

Thence

I run East on a random line, bet. secs. 12 and 13.

40.00

Set temporary 1/4 sec. cor.

80.00

Intersect east bdy. of Tp. 7 lks. S. of cor. of secs. 7, 12, 13 and 18, established by me, as described in Book "B."

Thence I run,

S. 89°57' W., on a true line, bet. secs. 12 and 13.

Over level land, through greasewood brush, 3 to 6 ft. high.

8.90

Wash, 20 lks. wide, 2 ft. deep, course S. 30° E.

11.00

Wash, 15 lks. wide, 2 ft. deep, course S. 20° E.

25.00

Wash, 10 lks. wide, course S. 25° E.

31.80

Wash, 10 lks. wide, course S. 25° E.

34.20

Wash, 10 lks. wide, course S. 30° E.

35.00

Wood road brs. N. 70° E. and SW.

37.20

Wash, 8 lks. wide, 2 ft. deep, course S. 30° E.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked 1/4 S 12 in N. half; and S 13 1913 on S. half;

dig pits 18x18x12 ins., E and W. of cor., 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

62.70

Wash, 8 lks. wide, course S. 40° E.

76.90

Wash, 12 lks. wide, 2 ft. deep, course S. 30° E.

80.00

Cor. of secs. 11, 12, 13 and 14.

Land, level.

Adobe soil. Greasewood brush, palo verde and ironwood timber along washes.

N. 0°01' W., on a true line, bet. secs. 11 and 12.

Over level land, through greasewood brush.

5.70

Wash, 10 lks. wide, 2 ft. deep, course S. 40° E.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked 1/4 S 11 on W. half; S 12 on E. half; and 1913 on S. half; near edge, from which,

A palo verde, 14 ins. in diam., bears S. 67°45' E. 217 lks. dist., marked 1/4 S 12 B T.

A palo verde, 8 ins. in diam., brs. N. 1°45' W., 132 lks. dist., marked 1/4 S 11 B T.

55.60

Wash, 8 lks. wide, course S. 40° E.

63.60

Wash, 10 lks. wide, course S. 40° E.

64.40

Wash, 10 lks. wide, course S. 40° E.

66.90

Wash, 10 lks. wide, course S. 40° E.

68.50

Wash, 15 lks. wide, course S. 40° E.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, with brass cap, marked

T 4 S S 2 in NW., R 16 W S 1 in NE., S 12 in SE., and S 11 in SW. quadrants;

1913 on S. half near edge, from which,

A palo verde, 6 ins. in diam., brs. N. 35° E., 162 links dist., marked T 4 S R 16 W S 1 B T.

An ironwood, 12 ins. in diam., bears S. 46° E., 87 lks. dist., marked T 4 S R 16 W S 12 B T.

A palo verde, 8 ins. in diam., brs. S. 85° 30' W., 26 lks. dist., marked T 4 S R 16 W S 11 B T.

An ironwood 8 ins. in diam., brs. N. 24° 30' W., 260 lks. dist., marked T 4 S R 16 W S 2 B T.

Land, level.

## BOOK 2698

## 6. Subdivision of Township 4 South, Range 16 West.

Chains.

Adobe soil and sandy soil.  
Greasewood brush. Palo verde and ironwood timber along washes.

40.00 Thence East, on a random line, bet. secs.1 and 12.  
Set temp.  $\frac{1}{4}$  sec.cor.  
79.98 Intersect east bdy.of Tp., 5 lks.N.of the cor.of secs.1,6,7 and 12, established by me, as described in Book "B."  
Thence I run,  
S.89°58'W., on a true line, bet. secs.1 and 12.  
Over level land,through greasewood brush.  
30.00 Wash, 10 lks.wide, course S.5°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 brass cap, marked  $\frac{1}{4}$  S 1 on N.half; and S 12 1913 on S.half; from which,  
A palo verde, 5 ins. in diam., bears S.85°30' E., 186 lks.dist., marked  $\frac{1}{4}$  S 12 B T.  
A palo verde, 8 ins. in diam., bears N.16°W., 163 lks.dist., marked  $\frac{1}{4}$  S 1 B T.  
40.80 Wash, 10 lks.wide, 2 ft. deep, course S.10°E.  
54.25 Wash, 8 lks.wide, 2 ft. deep, course south.  
65.60 Wash, 8 lks.wide, 2 ft.deep, course S.20°E.  
72.50 Wash, 8 lks.wide, 2 ft.deep, course S.20°E.  
77.20 Wash, 20 lks.wide, course S.20°E.  
79.70 Wash, 10 lks.wide, 2 ft. deep, course S.20°E.  
79.98 Cor.of secs.1,2,11 and 12.  
Land,level. Adobe soil.  
Greasewood brush. Palo verde and ironwood timber along washes,

Note: At the cor.of secs. 1,2,11 and 12, I set off 22°07 $\frac{1}{2}$ 'N. on decl.arc, and at noon, observe the sun on the meridian; the resulting lat.is 33°06' N.  
Thence I run.  
N.0°01'W., on a random line, bet. secs.1 and 2.  
40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
80.11 Intersect north bdy. of Tp.2 lks.S.89° 57'E., of the cor. of secs.1,2,35 and 36, established by me, as described in Book "B."  
Thence I run,  
S.0°02' E., on a true line, bet. secs.1 and 2.  
Over level land, through greasewood brush.  
40.11 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec.cor., with brass cap, marked  $\frac{1}{4}$  S 2 on W.half; S 1 on E.half; and 1913 on S.half; from which,  
A palo verde, 6 ins. in diam., brs.N.37°15'W., 145 lks. dist., marked  $\frac{1}{4}$  S 2 B T.  
No other tree within limit. 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.  
45.00 Enter wash from NW.  
70.00 Leave same wash, course S.20°E.  
70.40 Wood road, brs.N.70°W. and S.70°E.  
79.70 Wash, 10 lks.wide, 2 ft. deep, course S.40°E.  
80.11 Cor.of secs.1,2,11 and 12,  
Land,level.  
Adobe soil.  
Greasewood brush; palo verde and ironwood along washes.  
Scattering giant cactus.

July 11, 1913.



## Subdivision of Township 4 South, Range 16 West. 7.

Chains.

July 12, 1913: At 8h.0m.a.m., l.m.t., I set off  $33^{\circ}01\frac{1}{2}'N.$  on lat.arc, and  $22^{\circ}01\frac{1}{2}'N.$  on the decl.arc, and determine a meridian with the solar at the cor.of secs.2,3, 34 and 35 on south bdy.of Tp., established by W.K. Kierulff, U.S.Transitman, as described in Book "A."

Thence I run,  
 $N.0^{\circ}01'W.$ , on a true line, bet. secs.34 and 35.  
 Over level land, through greasewood brush 3 to 4 ft.high.

18.30 Wash, 8 lks.wide, course  $S.50^{\circ}E.$   
 29.10 Wash, 10 lks.wide, 2 ft.deep, course  $S.40^{\circ}E.$   
 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 brass cap, marked  
 $\frac{1}{4}$  S 34 on W.half;  
 $\frac{1}{4}$  S 35 on E.half; and  
 1913 on S.half; from which,  
 A palo verde, 6 ins. in diam., brs. $N.8^{\circ}W.$ , 283 lks.dist., marked  $\frac{1}{4}$  S 34 B T.  
 An ironwood, 4 ins. in diam., brs. $N.65^{\circ}E.$ , 148 lks.dist., marked  $\frac{1}{4}$  S 35 B T.

42.90 Wash, 8 lks.wide, course  $S.40^{\circ}E.$   
 53.70 Wash, 8 lks.wide, 2 ft.deep, course SE.  
 58.10 Wash, 10 lks.wide, course  $S.40^{\circ}E.$   
 66.00 Wash, 15 lks.wide, 2 ft.deep, course  $S.40^{\circ}E.$   
 70.00 Wash, 15 lks.wide, 2 ft.deep, course  $S.40^{\circ}E.$   
 74.50 Wash, 20 lks.wide, 2 ft.deep, course  $S.40^{\circ}E.$   
 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 brass cap, marked  
 T 4 S S 27 in NW.,  
 R 16 W S 26 in NE.,  
 S 35 in SE., and  
 S 34 in SW. quadrants;  
 1913 on S.half; from which,  
 A palo verde, 4 ins. in diam., brs. $N.82^{\circ}30'E.$ , 177 lks.dist., marked T 4 S R 16 W S 26 B T.  
 A palo verde, 8 ins. in diam., brs. $S.4^{\circ}E.$ , 285 lks.dist., marked T 4 S R 16 W S 35 B T.  
 A palo verde, 12 ins. in diam., brs. $S.51^{\circ}W.$ , 135 lks.dist., marked T 4 S R 16 W S 34 B T.  
 An ironwood, 8 ins. in diam., brs. $N.10^{\circ}35'W.$ , 208 lks.dist., marked T 4 S R 16 W S 27 B T.

Land, level.  
 Adobe soil. Greasewood brush 4 to 8 ft.high.  
 Palo verde and ironwood along washes.  
 Large trees (ironwood) cut out.

40.00 East, on a random line, bet. secs.26 and 35.  
 Set temp. $\frac{1}{4}$  sec.cor.  
 79.93 Intersect the cor.of secs.25,26, 35 and 36.  
 Thence I run,  
 West, on a true line, bet. secs.26 and 35.  
 Over level land, through greasewood brush, 6 to 8 ft. high.

39.90 Wash, 10 lks.wide, 2 ft. deep, course  $S.20^{\circ}E.$   
 39.965 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec.cor. with brass cap, marked,  
 $\frac{1}{4}$  S 26 on N.half; and  
 $\frac{1}{4}$  S 35, 1913 on S.half; from which,  
 A palo verde, 6 ins. in diam., brs. $N.12^{\circ}30'E.$ , 43 lks.dist., marked  $\frac{1}{4}$  S 26 B T.  
 A palo verde, 8 ins. in diam., brs. $S.19^{\circ}E.$ , 101 lks.dist., marked  $\frac{1}{4}$  S 35 B T.

48.80 Wash, 15 lks.wide, 3 ft.deep, course  $S.40^{\circ}E.$   
 55.80 Road brs. $N.30^{\circ}W.$  and  $S.40^{\circ}E.$

## BOOK 2698

8. Subdivision of Township 4 South, Range 16 West.

Chains.

- 65.10 Wash, 20 lks.wide, 2 ft. deep, course S.40°E.  
79.93 Cor.of secs.26,27,34 and 35.  
Land,level. Adobe soil.  
Greasewood brush, 6 to 8 ft.high.  
Palo verde and ironwood along washes.
- 
- 10.00 N.0°01'W., on a true line, bet. secs.26 and 27.  
Over level land, through greasewood brush, 6 to 8 ft.high.  
14.50 Wash,10 lks.wide, course SE.  
31.00 Wash, 10 lks.wide, 2 ft.deep, course S.40°E.  
30.00 Wood road, brs.N.40°W. and S.40°E.  
Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in  
the ground, for  $\frac{1}{4}$  sec.cor., with brass cap, marked  
 $\frac{1}{4}$  S 27 on W half;  
S 26 on E.half; and 1913 on S.half; from which,  
A palo verde, 8 ins. in diam., brs.N.80°30'E.,  
69 lks.dist., marked  $\frac{1}{4}$  S 26 B T.  
An ironwood, 5 ins. in diam., brs.N.25°30'W.,  
149 lks.dist., marked  $\frac{1}{4}$  S 27 B T.
- 41.40 Wash, 8 lks.wide, 2 ft.deep, course S.40°E.  
54.50 Wash, 10 lks.wide, course S.35°E.  
76.20 Wash, 10 lks.wide, course S.35°E.  
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  
brass cap, marked  
T 4 S S 22 in NW.,  
R 16 W S 23 in NE ,  
S 26 in SE., and  
S 27 in SW. quadrants;  
1913 on S.half; from which,  
A palo verde, 6 ins. in diam., bears N.50°20'E.,  
290 lks.dist., marked T 4 S R 16 W S 23 B T.  
A palo verde, 4 ins. in diam., brs. S.73°E.,190  
lks.dist., marked T 4 S R 16 W S 26 B T.  
A palo verde, 6 ins. in diam., brs.S.27°15'W.,  
245 lks.dist., marked T 4 S R 16 W S 27 B T.  
An ironwood, 6 ins. in diam., bears N.11°W.,219  
lks.dist., marked T 4 S R 16 W S 22 B T.  
Land,level, adobe soil. Greasewood brush.  
Palo verde and ironwood timber along washes.
- 

- Note: At the cor.of secs. 22,23,26 and 27, I set off 21°59 $\frac{1}{2}$ 'N.  
on decl.arc, and at noon, observe the sun on the meri-  
dian: the resulting lat. is 33° 03 $\frac{1}{2}$ ' N.  
East, on a random line, bet. secs.23 and 26.
- 40.00 Set temp. $\frac{1}{4}$  sec.cor.  
79.99 Intersect N.and S. line, 10 lks.S.of cor.of secs.23,24,  
25 and 26.  
Thence I run,  
S.89°56'W., on a true line, bet.secs.23 and 26.  
Over level land, through greasewood brush.
- 9.30 Wash, 15 lks.wide, 2 ft.deep, course SE.  
30.20 Telephone line, brs.NW. and SE.  
30.30 Phoenix and Yuma auto road, brs.NW. and SE.  
38.80 Wash, 60 lks.wide, 3 ft. banks, course S.30° E.  
39.995 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in  
the ground, for  $\frac{1}{4}$  sec.cor., with brass cap, marked  
 $\frac{1}{4}$  S 23 on N.half; and  
S 26, 1913 on S.half; from which,  
A mesquite, 14 ins. in diam., bears N.3°15'W.,  
110 lks.dist., marked  $\frac{1}{4}$  S 23 B T.  
A palo verde, 10 ins. in diam., brs.S.72°30'E.,  
103 lks.dist., marked  $\frac{1}{4}$  S 26 B T.
- 59.70 Wash, 10 lks.wide, 2 ft. deep, course S.40°E.

Subdivision of Township 4 South, Range 16 West, 9.

Chains.

67.20 Wash, 10 lks.wide, 2 ft.deep, course S.35°E.  
 68.60 Wash, 15 lks.wide, 2 ft. deep, course S.35°E.  
 73.70 Wash, 10 lks.wide, course S.35°E.  
 75.00 Wash, 10 lks.wide, course S.40°E.  
 78.40 Wash, 10 lks.wide, course S.40°E.  
 79.99 Cor.of secs.22,23,26 and 27.  
 Land,level. Adobe soil.  
 Greasewood brush; scattering giant cactus.  
 Palo verde and ironwood along washes.

N.0°01' W., on a true line, bet. secs.22 and 23.  
 Over level land, through brush.  
 1.60 Wash, 8 lks.wide, course S.40°E.  
 3.90 Wash, 10 lks.wide, course S.40°E.  
 10.00 Wash, 15 lks.wide, 2 ft.deep, course S.40°E.  
 14.10 Wash, 15 lks.wide, 2 ft.deep, 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 brass cap, marked  
 $\frac{1}{4}$  S 22 on W.half;  
 S 23 on E.half; and  
 1913 on S.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,  
 N.of cor.  
 45.00 Wash, 20 lks.wide, 3 ft. deep, course S.35°E.  
 57.80 Wash, 15 lks.wide, 3 ft.deep, course SE.  
 59.80 Wash, 60 lks.wide, 3 ft.banks, course S.40°E.  
 66.50 Wash, 20 lks.wide, 2 ft.banks, course S.40°E.  
 68.70 Wash, 15 lks.wide, course S.35°E.  
 74.00 Wash, 30 lks.wide, 3 ft.deep, course S.35° E.  
 76.00 Telephone line, brs.N.60°W. and S.35° E.  
 76.25 Middle well, 500 ft. deep, (dry at this time) bears west  
 20 links.  
 76.45 Adobe house brs.W.25 links distant.  
 78.00 Phoenix and Yuma auto road brs.N.21°W. and S.35°E.  
 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 and 23, with  
 brass cap, marked  
 T 4 S S 15 in NW.,  
 R 16 W S 14 in NE.,  
 S 23 in SE., and  
 S 22 in SW. quadrants;  
 1913 on S.half; from which,  
 NE. cor.of adobe house, brs.S.3°30'W., 366  
 lks.dist.,  
 NW. cor.of windmill frame, bears S.3°W.,375  
 lks.dist.  
 A palo verde, 12 ins. in diam., bears S.38°W.  
 197 lks.dist., marked T 4 S R 16 W S 22 B T.  
 No other trees within limits. 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. Adobe soil.  
 Greasewood brush. Palo verde and ironwood timber along  
 washes.  
 Scattering giant cactus.  
 There being no water at this well, I hauled water from  
 Palomas, 28 miles, which was difficult, owing to  
 the heat and a portion of the road was sandy, causing  
 great suffering to men and animals.  
 July 12, 1913.

July 14, 1913.  
 Thence East , on a random line, bet. secs.14 and 23.

## 10. Subdivision of Township 4 South, Range 16 West.

Chains.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.00 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 13, 14, 23 and 24.  
Thence I run,  
N.  $89^{\circ} 59' W.$ , on a true line, bet. secs. 14 and 23.  
Over level land, through greasewood brush.  
.65 Wash, 8 lks. wide, 2 ft. deep, course SE.  
1.70 Wash, 10 lks. wide, course SE.  
5.40 Wash, 20 lks. wide, 3 ft. deep, course SE.  
10.20 A wood road, brs. NW. and SE.  
24.00 A wash, 10 lks. wide, 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 brass cap, marked  
 $\frac{1}{4}$  S 14 on N. half; and  
 $\frac{1}{4}$  S 23, 1913 on 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 Wood road brs. N.  $70^{\circ} E.$  and S.  $70^{\circ} W.$   
50.60 Wash, 10 lks. wide, course SE.  
75.00 A corral brs. S. about 100 links.  
80.00 Cor. of secs. 14, 15, 22 and 23.  
Land, level.  
Adobe soil. Scattering greasewood brush.  
Palo verde and ironwood along washes.
- 
- At 8h. 0m. a.m., l.m.t., I set off  $33^{\circ} 04\frac{1}{2}' N.$  on lat. arc, and  $21^{\circ} 44' N.$  on the decl. arc; and determine a meridian with the solar at the cor. of secs. 14, 15, 22 and 23.  
Thence I run,  
N.  $0^{\circ} 01' W.$ , on a true line, bet. secs. 14 and 15.  
Over level land.  
12.30 Bend in Phoenix and Yuma auto road, from S.  $10^{\circ} W.$  to N.  $21^{\circ} W.$   
37.30 Wash, 8 lks. wide, 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 brass cap, marked  
 $\frac{1}{4}$  S 15 on W. half;  
S 14 on E. half; and  
1913 on S. 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.  
47.50 Wash, 15 lks. wide, 2 ft. deep, course SE.  
73.00 Wash, 10 lks. wide, 2 ft. deep, course SE.  
79.20 Wash, 8 lks. wide, course S.  $40^{\circ} E.$   
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 and 15, with brass cap, marked  
T 4 S S10 in NW.,  
R 16 W S 11 in NE.,  
S 14 in SE., and  
S 15 in SW. quadrants;  
1913 on S. half of cap, from which,  
A palo verde, 12 ins. in diam., brs. N.  $47^{\circ} 15' E.$ , 90 lks. dist., marked T 4 S R 16 W S 11 B T.  
An ironwood, 9 ins. in diam., brs. S.  $18^{\circ} 45' E.$ , 144 lks. dist., marked T 4 S R 16 W S 14 B T.  
A palo verde, 4 ins. in diam., bears S.  $29^{\circ} 15' W.$ , 34 lks. dist., marked T 4 S R 16 W S 15 B T.  
A palo verde, 10 ins. in diam., brs. N.  $3^{\circ} 15' W.$ , 122 lks. dist., marked T 4 S R 16 W S 10 B T.  
Land, level. Adobe soil.  
Scattering greasewood brush.  
Palo verde and ironwood along washes. Scattering giant cactus.
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Subdivision of Township 4 South, Range 16 West. 11.

Chains.

Thence East on a random line, bet. secs. 11 and 14.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.00 Intersect the N. and S. line 3 lks. N. of cor. of secs. 11, 12, 13, and 14. Thence I run N.  $89^{\circ}59'$  W., on a true line, bet. secs. 11 and 14. Over level land, through greasewood brush.  
 33.10 Wash, 12 lks. wide, 2 ft. deep, course SE.  
 34.45 Wash, 15 lks. wide, 2 ft. deep, course SE.  
 35.50 Wash, 10 lks. wide, course S.  $50^{\circ}$  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 brass cap, marked,  $\frac{1}{4}$  S 11 on N. half; and S 14 1913 on S. half; from which,  
 A palo verde, 14 ins. in diam., bears S.  $55^{\circ}$  W., 49 lks. dist., marked  $\frac{1}{4}$  S 14 B T.  
 A palo verde, 12 ins. in diam., bears N.  $51^{\circ}$  W., 34 lks. dist., marked  $\frac{1}{4}$  S 11 B T.  
 40.50 Wash, 20 lks. wide, 2 ft. deep, course S.  $40^{\circ}$  E.  
 42.90 Wash, 10 lks. wide, course SE.  
 51.50 Wash, 12 lks. wide, 2 ft. deep, course SE.  
 65.40 Wash, 10 lks. wide, 2 ft. deep, course S.  $50^{\circ}$  E.  
 68.30 Wash, 10 lks. wide, 2 ft. deep, course S.  $50^{\circ}$  E.  
 78.95 Wash, 25 lks. wide, 3 ft. deep, course SE.  
 80.00 Corner of secs. 10, 11, 14 and 15. Land, level. Adobe soil. Greasewood brush. Palo verde timber along washes.

July 14, 1913.

July 16, 1913: At 8h. 0m. a.m., 1.m.t., I set off  $33^{\circ}05'$  N. on the lat. arc; and  $21^{\circ}25\frac{1}{2}'$  N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 10, 11, 14 and 15.  
 Thence I run, N.  $0^{\circ}01'$  W., on a true line, bet. secs. 10 and 11, over level land, through greasewood brush.  
 1.15 Wash, 15 lks. wide, 3 ft. deep, course S.  $40^{\circ}$  E.  
 16.65 Wash, 10 lks. wide, course S.  $40^{\circ}$  E.  
 21.80 Wash, 8 lks. wide, course S.  $50^{\circ}$  E.  
 23.05 Wash, 10 lks. wide, 2 ft. deep, course S.  $40^{\circ}$  E.  
 32.90 Wood road brs. NE. and SW.  
 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 brass cap, marked  $\frac{1}{4}$  S 10 on W. half; S 11 on E. half; and 1913 on S. 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.  
 43.30 Wood road, brs. NE. and SW.  
 53.30 Wash, 10 lks. wide, 2 ft. deep, course S.  $40^{\circ}$  E.  
 54.20 Wood road brs. W. and N.  $80^{\circ}$  E.  
 60.55 Wash, 15 lks. wide, 2 ft. deep, course S.  $40^{\circ}$  E.  
 61.80 Wash, 25 lks. wide, 3 ft. deep, course S.  $40^{\circ}$  E.  
 69.00 Wash, 8 lks. wide, course S.  $40^{\circ}$  E.  
 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 and 11, with brass cap, marked T 4 S S 3 in NW., R 16 W S 2 in NE., S 11 in SE., and S 10 in SW. quadrants; 1913 on S. edge of cap, 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; adobe soil. Greasewood brush; scattering giant cactus. Palo verde and ironwood along washes.

## BOOK 2698

12. Subdivision of Township 4 South, Range 16 West.

Chains.

- Thence East on a random line, bet. secs. 2 and 11.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.02 Intersect N. and S. line, 5 lks. north of cor. of secs. 1, 2, 11 and 12.  
 Thence I run,  
 N.  $89^{\circ} 58' W.$ , on a true line, bet. secs. 2 and 11.  
 Over level land, through brush.
- 2.40 Wash, 10 lks. wide, 2 ft. deep, course S.  $35^{\circ} E.$   
 3.60 Wash, 10 lks. wide, 2 ft. deep, course S.  $35^{\circ} E.$   
 8.18 Wash, 15 lks. wide, 2 ft. deep, course S.  $40^{\circ} E.$   
 11.30 Wash, 15 lks. wide, 2 ft. deep, course S.  $20^{\circ} E.$   
 14.90 Wash, 10 lks. wide, 2 ft. deep, course S.  $20^{\circ} E.$   
 15.90 Wash, 15 lks. wide, 3 ft. deep, course S.  $30^{\circ} E.$   
 30.30 Wash, 10 lks. wide, course S.  $25^{\circ} E.$   
 40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked  
 $\frac{1}{4}$  S 2 on N. half; and  
 S 11, 1913 on 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 corner.
- 52.48 Wash, 15 lks. wide, 2 ft. deep, course S.  $15^{\circ} E.$   
 56.95 Wash, 10 lks. wide, course S.  $15^{\circ} E.$   
 70.60 Wash, 15 lks. wide, 3 ft. deep, course S.  $40^{\circ} E.$   
 73.95 Wash, 10 lks. wide, 2 ft. deep, course S.  $40^{\circ} E.$   
 80.02 Cor. of secs. 2, 3, 10 and 11.  
 Land, level. Adobe soil.  
 Greasewood brush, 6 to 8 ft. high. Palo verde and ironwood along washes.

- N.  $0^{\circ} 01' W.$ , on a random line, bet. secs. 2 and 3.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.03 Intersect N. bdy. of Tp., 4 links N.  $89^{\circ} 57' W.$ , of the cor. of secs. 2, 3, 34 and 35, established by me, as described in Book "B"  
 Thence I run,  
 S.  $0^{\circ} 01' W.$ , on a true line, bet. secs. 2 and 3, over level land.
- .90 Wash, 10 lks. wide, course S.  $25^{\circ} E.$   
 1.70 Wash, 10 lks. wide, course S.  $15^{\circ} E.$   
 3.80 Wash, 10 lks. wide, course S.  $35^{\circ} E.$   
 5.00 Wash, 10 lks. wide, course S.  $35^{\circ} E.$   
 14.35 Wash, 10 lks. wide, course S.  $35^{\circ} E.$   
 15.20 Wash, 15 lks. wide, course S.  $35^{\circ} E.$   
 23.30 Wash, 15 lks. wide, course S.  $40^{\circ} E.$   
 30.20 Wash, 10 lks. wide, 2 ft. deep, course S.  $40^{\circ} E.$   
 31.70 Wash, 12 lks. wide, 2 ft. deep, course S.  $40^{\circ} E.$   
 35.40 Wash, 15 lks. wide, 3 ft. deep, course S.  $35^{\circ} E.$   
 40.03 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 3 on W. half; S 2 on E. half; and  
 1913 on S. edge of cap;  
 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.
- 40.70 Wash, 10 lks. wide, course S.  $40^{\circ} E.$   
 62.10 Wash, 15 lks. wide, 3 ft. deep, course S.  $30^{\circ} E.$   
 72.70 Wash, 10 lks. wide, course S.  $35^{\circ} E.$   
 80.03 Cor. of secs. 2, 3, 10 and 11.  
 Land, level adobe soil. Timber, and greasewood brush.  
 Palo verde and ironwood timber.

July 16, 1913.

Subdivision of Township 4 South, Range 16 West. 13.

Chains.

July 17, 1913: At 8h. Om. a.m., l.m.t., I set off  $33^{\circ} 01\frac{1}{2}' N.$  on the lat. arc, and  $21^{\circ} 15\frac{1}{2}' N.$  on decl. arc, and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34 on south bdy. of the Tp., established by W.K. Kierulff, U.S. Transitman, as described in Book "A."

Thence I run,  
 $N. 0^{\circ} 02' W.$ , on a true line, bet. secs. 33 and 34.  
 Over level land, through greasewood brush.

2.50 Road brs.  $N. 75^{\circ} W.$  and  $S. 75^{\circ} E.$

18.00 Wash, 25 lks. wide, 2 ft. deep, course E.

29.50 Wash 25 lks. wide, 2 ft. deep, 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 brass cap, marked  
 $\frac{1}{4}$  S 33 on W. half;  
 $\frac{1}{4}$  S 34 on E. half; and  
 1913 on S. half; from which,  
 A palo verde, 12 ins. in diam., bears  $N. 34^{\circ} 15' W.$ ,  
 81 lks. dist., marked  $\frac{1}{4}$  S 33 B T.  
 A palo verde, 8 ins. in diam., bears  $N. 72^{\circ} 30' E.$ ,  
 143 lks. dist., marked  $\frac{1}{4}$  S 34 B T.

54.75 Wash, 25 lks. wide, 3 ft. deep, course SE.

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 brass cap, marked  
 T 4 S S 28 in NW',  
 R 16 W S 27 in NE',  
 S 34 in SE., and  
 S 33 in SW. quadrants;  
 1913 on S. half; from which,  
 A palo verde, 8 ins. in diam., brs.  $S. 51\frac{1}{2}^{\circ} W.$ , 154  
 lks. dist., marked T 4 S R 16 W S 33 B T.

No other trees within limits. 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. Adobe soil.  
 Greasewood brush. Palo verde and ironwood along washes.  
 Scattering giant cactus.

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40.00 East, on a random line, bet. secs. 27 and 34.

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

Intersect N. and S. line, 5 lks. S. of cor. of secs. 26, 27, 34 and 35.

Thence I run,  
 $S. 89^{\circ} 58' W.$ , on a true line, bet. secs. 27 and 34.  
 Over level land, through greasewood brush 4 to 8 ft. high.

18.76 A road brs.  $N. 10^{\circ} W.$  and  $S. 10^{\circ} E.$

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 brass cap, marked,  
 $\frac{1}{4}$  S 27 on N. half; and  
 $\frac{1}{4}$  S 34, 1913 on S. half; from which,  
 A palo verde, 10 ins. in diam., bears  $N. 22\frac{1}{4}^{\circ} W.$ ,  
 101 lks. dist., marked  $\frac{1}{4}$  S 27 B T.  
 An ironwood, 8 ins. in diam., brs.  $S. 46\frac{1}{2}^{\circ} E.$ , 333  
 links dist., marked  $\frac{1}{4}$  S 34 B T.

80.00 Cor. of secs. 27, 28, 33 and 34.  
 Land, level. Adobe soil; greasewood brush. Palo verde and ironwood. Scattering giant cactus.

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40.00  $N. 0^{\circ} 02' W.$ , on a true line, bet. secs. 27 and 28, over level land, through greasewood brush.

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

## BOOK 2698

14. Subdivision of Township 4 South, Range 16 West.

Chains.

- $\frac{1}{2}$  S 28 on W. half;  
 S 27 on E. half; and  
 1913 on S. edge of cap, from which,  
 An ironwood, 6 ins. in diam., bears N.70°E., 238  
 lks. dist., marked  $\frac{1}{2}$  S 27 B T.  
 An ironwood, 6 ins. in diam., bears S.57°05'W.,  
 118 lks. dist., marked  $\frac{1}{2}$  S 28 B T.
- 76.40 A road brs. NE. and SW.  
 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 brass  
 cap, marked  
 T 4 S S 21 in NW.,  
 R 16 W S 22 in NE.,  
 S 27 in SE.,  
 S 28 in SW. quadrants;  
 1913 on S. edge of cap,  
 dig pits 18x18x12 ins., in each sec. 5 $\frac{1}{2}$  ft. dist.;  
 raise a mound of earth 4 ft. base, 2 ft. high, west of  
 cor.  
 Land, level adobe soil, greasewood brush; scattering palo  
 verde and ironwood.
- 
- Thence East on a random line, bet. secs. 22 and 27.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.93 Intersect the cor. of secs. 22, 23, 26, and 27.  
 Thence I run west on a true line, bet. secs. 22 and 27.  
 Over level land, through greasewood brush.
- 14.25 Road brs. NE. and SW.  
 39.965 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked  
 $\frac{1}{2}$  S 22 on N. half; and  
 S 27, 1913 on S. half; from which,  
 A palo verde, 8 ins. in diam., bears N.28° 25'E.,  
 131 lks. dist., marked  $\frac{1}{2}$  S 22 B T.  
 A palo verde, 10 ins. in diam., bears S.25 $\frac{3}{4}$ °W.,  
 88 lks. dist., marked  $\frac{1}{2}$  S 27 B T.
- 76.63 Wood road brs. NE. and SW.  
 79.93 Cor. of secs. 21, 22, 27 and 28.  
 Land, level, adobe soil. Greasewood brush.  
 Scattering palo verde and ironwood; scattering giant cactus.
- 
- N.0°02'W., on a true line, bet. secs. 21 and 22.  
 Over level land, through brush.
- 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 brass cap, marked  
 $\frac{1}{2}$  S 21 on W. half; and  
 S 22 on E. half;  
 1913 on S. edge of cap,  
 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. 15, 16, 21 and 22, with  
 brass cap, marked,  
 T 4 S S 16 on NW.,  
 R 16 W S 15 in NE.,  
 S 22 in SE., and  
 S 21 in SW. quadrant;  
 1913 on S. edge of cap, from which  
 A palo verde, 10 ins. in diam., brs. S.16 $\frac{1}{2}$ °E., 114  
 lks. dist., marked T 4 S R 16 W S 22 B T.  
 A palo verde, 16 ins. in diam., bears N.9 $\frac{1}{2}$ °W.,  
 228 lks. dist., marked T 4 S R 16 W S 16 B T.



Subdivision of Township 54 South, Range 16 West. 15.

Chains.

No other trees in limit. Dig pits, 18x18x12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.  
Land, level. Adobe soil. Greasewood brush; scattering palo verde and ironwood, giant cactus.

40.00  
79.93  
  
20  
12.00  
34.00  
39.965

East, on a random line, bet. secs. 15 and 22.  
Over level land, scattering greasewood brush.  
Set temp. 1/4 sec. cor.  
Intersect N. and S. line, 10 lks. N. of cor. of secs. 14, 15, 22, and 23.  
Thence I run,  
N. 89° 56' W., on a true line, bet. secs. 15 and 22.  
Over level land.  
Phoenix, and Yuma auto road, bears NW. and SE.  
Wash, 100 lks. wide, 5 ft. banks, course SE.  
Old road brs. NW. and SE.  
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked  
S 15 on N. half; and  
S 22 1913 on S. half;  
dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

79.93

Cor. of secs. 15, 16, 21 and 22.  
Land, level adobe soil. Scattering palo verde and ironwood.  
Scattering giant cactus.

July 17, 1913.

July 18, 1913: At 8h. Om. a.m., 11.m.t., I set off 33° 04 1/2' N. on the lat. arc; and 21° 05' N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 15, 16, 21 and 22.

3.60  
7.20  
13.85  
17.80  
23.70  
26.44  
38.00  
40.00  
  
43.00  
78.54  
79.00  
80.00

Thence I run,  
N. 0° 02' W., on a true line, bet. secs. 15, and 21 1/2 and 22.  
Over level land, through greasewood brush, 4 to 6 ft. high.  
Wash, 15 lks. wide, 2 ft. deep, course S. 35° E.  
Wash, 18 lks. wide, 2 ft. deep, course S. 40° E.  
Wood road brs. N. 40° W. and S. 40° E.  
Wash, 12 lks. wide, 2 ft. deep, course S. 40° E.  
Wash, 12 lks. wide, 2 ft. deep, course S. 40° E.  
Wash, 10 lks. wide, 2 ft. deep, course S. 35° E.  
Wood road brs. NE. and SW.  
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked  
1/4 S 16 on W. half;  
S 15 on E. half; and  
1913 on S. half;  
dig pits, 18x18x12 ins., N. and 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.  
Wash, 25 lks. wide, 2 ft. deep, course S. 55° E.  
Wash, 30 lks. wide, 2 ft. deep, course SE.  
Wash, 20 lks. wide, 2 ft. deep, course S. 55° E.  
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, with brass cap, marked  
T 4 S S 9 in NW.,  
R 16 W S 10 in NE., and  
S 15 in SE., and  
S 16 in SW. quadrants;  
1913 on S. half; from which,

16. Subdivision of Township 4 South, Range 16 West.

Chains.

A palo verde, 10 ins. in diam., brs. N. 33° 30' E.  
 70 lks. dist., marked T 4 S R 16 W S 10 B T.  
 A catclaw, 4 ins. in diam., brs. S. 35° E., 85  
 lks. dist., marked T 4 S R 16 W S 15 B T.  
 A palo verde, 8 ins. in diam., brs. S. 32° 30' W., 68  
 lks. dist., marked T 4 S R 16 W S 16 B T.  
 No other tree within limit. Dig pits, 18x18x12 ins. in  
 each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft.  
 base, 2 ft. high, W. of cor.  
 Land, level. Adobe soil.  
 Greasewood brush. Palo verde and ironwood timber.

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Thence East on a random line, bet. secs. 10 and 15.  
 40.00 Set temp. 1/4 sec. cor.  
 79.90 Intersect N. and S. line, 3 lks. S. of cor. of secs. 10, 11,  
 14 and 15.  
 Thence I run,  
 S. 89° 59' W., on a true line, bet. secs. 10 and 15.  
 Over level land, through greasewood brush.  
 1.00 Wash, 8 lks. wide, course S. 40° E.  
 9.50 Wash, 10 lks. wide, course S. 40° E.  
 11.00 Wash, 10 lks. wide, 2 ft. deep, course S. 40° E.  
 33.00 Telephone line, Mohawk to King mine, brs. N. 20° W. and S.  
 20° E.  
 36.00 Phoenix and Yuma auto road, brs. N. 20° W. and S. 20° E.  
 39.95 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground, for 1/4 sec. cor., with brass cap, marked  
 1/4 S 10 on N. half; and  
 S 15 19 1/3 on S. half; from which,  
 A palo verde, 12 ins. in diam., bears S. 8° W.,  
 41 lks. dist., marked 1/4 S 15 B T.  
 No other tree within limits. Dig pits 18x18x12 ins., E  
 and W. of cor. 3 ft. dist., and raise a mound of earth 3 1/2  
 ft. base, 1 1/2 ft. high, N. of cor.  
 40.60 Wash, 15 lks. wide, 2 ft. deep, course S. 25° E.  
 45.00 Wash, 50 lks. wide, 3 ft. deep, course S. 25° E.  
 46.00 Wash, 10 lks. wide, 3 ft. deep, course S. 20° E.  
 58.60 Wash, 40 lks. wide, 3 ft. banks, course S. 10° E.  
 74.60 Wash, 18 lks. wide, 2 ft. deep, course S. 20° E.  
 79.00 Wash, 15 lks. wide, 2 ft. deep, course S. 15° E.  
 79.90 Corner of secs. 9, 10, 15 and 16.  
 Land, level adobe soil; greasewood brush; palo verde and  
 ironwood along washes.

-----

N. 0° 2' W., on a true line, bet. secs. 9 and 10, over level  
 land.  
 1.30 Wash, 15 lks. wide, 2 ft. deep, course S. 15° E.  
 8.40 Wash, 10 lks. wide, 2 ft. deep, course S. 20° E.  
 14.50 Wash, 15 lks. wide, 2 ft. deep, course S. 40° E.  
 20.00 Wash, 40 lks. wide, 2 ft. deep, course S. 35° E.  
 28.60 Wash, 20 lks. wide, 2 ft. deep, course S. 35° E.  
 31.90 Wash, 10 lks. wide, 2 ft. deep, course S. 40° E.  
 38.65 Wash, 15 lks. wide, 2 ft. deep, course S. 40° E.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground, for 1/4 sec. cor., with brass cap, marked  
 1/4 S 9 on W. half;  
 S 10 on E. half, and  
 19 1/3 on S. half;  
 dig pits 18x18x12 ins., N. and 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.  
 52.40 Wash, 15 lks. wide, 2 ft. deep, course S. 40° E.

Subdivision of Township 4 South, Range 16 West. 17.

Chains.

55.34 Wood road, brs. N.40°W. and S.40°E.  
 60.00 Enter high greasewood brush, 6 to 8 ft. high.  
 77.05 Wash, 30 lks. wide, 2 ft. deep, course S.35°E.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, with brass cap, marked  
     T 4 S S 4 in NW.,  
     R 16 W S 3 in NE.,  
     S 10 in SE., and  
     S 9 in SW. quadrants;  
     1913 on S. half; from which,  
     A palo verde, 16 ins. in diam., bears S.40°35' W.,  
     99 lks. dist., marked T 4 S R 16 W S 9 B T.  
     A palo verde, 24 ins. in diam., bears N.78°W.,  
     136 lks. dist., marked T 4 S R 16 W S 4 B T.  
 No other trees in limit. Dig pits, 18x18x12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 2 ft. high, W. of corner.  
 Land, level, adobe soil.  
 Dense brush, 20.00 chs.  
 Scattering brush, 60.00 chs. Palo verde and ironwood along washes, Scattering giant cactus.

Note: At the cor. of secs. 3, 4, 9 and 10, above described, I set off 21°03' N. on decl. arc, and at noon, observe the sun on the meridian; the resulting latitude is 33°06' N.  
 Thence

I run East, on a random line, bet. secs. 3 and 10.  
 40.00 Set temp. 1/4 sec. cor.  
 80.00 Intersect N. and S. line, 3 lks. N. of cor. of secs. 2, 3, 10 and 11.  
 Thence I run,  
 N.89°59' W., on a true line, bet. secs. 3 and 10.  
 Over level land, through greasewood brush.  
 29.70 Wash, 10 lks. wide, 2 ft. deep, course S.40°E.  
 36.00 Wash, 10 lks. wide, course S.40°E., 2 ft. deep.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked  
     1/4 S 3 on N. half, and  
     S 10, 1913 on S. half; from which,  
     A palo verde, 10 ins. in diam., brs. S.9° W., 95 lks. dist., marked 1/4 S 10 B T.  
     A mesquite, 12 ins. in diam., bears N.67°30' W., 111 lks. dist., marked 1/4 S 3 B T.  
 51.40 Wash, 10 lks. wide, 2 ft. deep, course S.40°E.  
 56.15 Wash, 10 lks. wide, 2 ft. deep, course S.40°E.  
 70.35 Telephone line, brs. N.35°W. and S.35°E.  
 80.45 Phoenix and Yuma auto road, brs. N.35°W. and S.35°E.  
 80.00 Cor. of secs. 3, 4, 9 and 10.  
 Land, level, adobe soil. Greasewood brush.  
 Palo verde and ironwood timber.

N.0° 02' W., on a random line, bet. secs. 3 and 4.  
 40.00 Set temp. 1/4 sec. cor.  
 80.06 Intersect cor. of secs. 3, 4, 33 and 34, on north bdy. of Tp., established by me, as described in Book "B,"  
 Thence I run,  
 S.0°02' E. on a true line, bet. secs. 3 and 4.  
 23.56 Wash, 15 lks. wide, 3 ft. deep, course S.40°E.  
 40.06 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked  
     1/4 S 4 on W. half,  
     S 3 on E. half; and  
     1913 on S. half;

## BOOK 2698

18. Subdivision of Township 4 South, Range 16 West.

Chains.

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.

- 47.70 Wash, 10 lks. wide, course S. 55° E.  
59.70 Telephone line, from Mohawk to King Mines, brs. N. 40° W. and  
S. 40° E.  
61.31 Phoenix and Yuma auto road, brs. N. 40° W. and S. 40° E.  
65.00 Wash, 15 lks. wide, 2 ft. deep, course S. 40° E.  
70.30 Wash, 10 lks. wide, 2 ft. deep, course SE.  
80.06 Corner of secs. 3, 4, 9 and 10.  
Land, level. Adobe soil; greasewood brush.  
Palo verde and ironwood timber.

July 18, 1913.

July 20, 1913

At 8h. 0m. a.m., l.m.t., I set off  $33^{\circ} 01\frac{1}{2}'$  N. on lat. arc;  
and  $20^{\circ} 43\frac{1}{2}'$  N. on the decl. arc, and determine a meridian  
with the solar at the cor. of secs. 4, 5, 32 and 33 on  
south bdy. of Tp., established by W. K. Kierulff, U.S.  
Transitman, as described in Book "A."

Thence I run,

N.  $0^{\circ} 02'$  W., on a true line, bet. secs. 32 and 33.Over level land, through greasewood brush, 4 to 6 ft.  
high.

- 1.10 Wash, 10 lks. wide, 2 ft. deep, course east.  
3.55 Wash, 15 lks. wide, course S. 70° E.  
20.80 Wash, 35 lks. wide, 4 ft. deep, course S. 70° E.  
36.90 Wash, 40 lks. wide, 6 ft. deep, course S. 70° E.  
40.00 Set an iron post  $\frac{3}{4}$  ft. long, 1 in. in diam., 26 ins. in  
the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked  
 $\frac{1}{4}$  S 32 on W. half;  
S 33 on E. half; and  
1913 on S. 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.  
44.10 Wash, 10 lks. wide, 2 ft. deep, course S. 70° E.  
49.50 Wash, 15 lks. wide, 3 ft. deep, course S. 70° E.  
50.50 Road brs. NW. and SE.  
55.50 Wash, 20 lks. wide, 3 ft. deep, course S. 60° E.  
74.60 Wash, 20 lks. wide, 3 ft. deep, course S. 70° E.  
80.00 Set an iron post,  $\frac{3}{4}$  ft. long, 2 ins. in diam., 24 ins. in  
the ground, for cor. of secs. 28, 29, 32 and 33, with  
brass cap, marked  
T 4 S S 29 in NW.,  
R 16 W S 28 in NE.,  
S 33 in SE., and  
S 32 in SW. quadrants;  
1913 on S. half;  
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, west  
of corner.  
Land, level. Adobe soil, covered in places with malpais  
gravel.  
Greasewood brush; palo verde and ironwood timber along  
washes.

East, on a random line, bet. secs. 28 and 33.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.80.04 Intersect N. and S. line, 4 lks. north of cor. of secs. 27, 28,  
33 and 34.

Thence I run,

N.  $89^{\circ} 58'$  W., on a true line, bet. secs. 28 and 33.

Over level land, through greasewood brush.

9.58 Wash, 15 lks. wide, course S. 60° E.

17.80 Wash, 10 lks. wide, course S. 60° E.

Subdivision of Township 4 South, Range 16 West. 19.

Chains.

40.02 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked  $\frac{1}{4}$  S 28 on N. half; and S 33, 1913 on S. half; dig pits, 18x18x12 ins., E and W of cor.  $\frac{3}{4}$  ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

49.46 Wash, 15 lks. wide, course SE.  
 65.84 Wash, 15 lks. wide, 2 ft. deep, course SE.  
 68.50 Road, brs. NE and SW.  
 71.20 Wash, 15 lks. wide, 2 ft. deep, course S. 5° E.  
 75.00 Wash, 25 lks. wide, 2 ft. deep, course S. 50° E.  
 80.04 Cor. of secs. 28, 29, 32 and 33.

Land, level. Adobe soil.  
 Greasewood brush; palo verde along washes.

N. 0° 02' W., on a true line, bet. secs. 28 and 29.  
 Over level land, through brush, 3 to 5 ft. high.

5.30 Wash, 25 lks. wide, 2 ft. deep, course SE.  
 14.30 Wash, 12 lks. wide, course S. 50° E.  
 23.35 Wagon road, brs. E and W.  
 23.85 Wash, 20 lks. wide, 2 ft. deep, course S. 60° 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 brass cap, marked  $\frac{1}{4}$  S 29 on W. half; S 28 on E. half; and 1913 on S. half; from which,

An ironwood, 12 ins. in diam., bears N. 77° E., 82 lks. dist., marked  $\frac{1}{4}$  S 28 B T.  
 An ironwood, 6 ins. in diam., bears S. 85° 45' W., 85 lks. dist., marked  $\frac{1}{4}$  S 29 B T.

42.20 Wash, 12 lks. wide, 2 ft. deep, course S. 70° E.  
 47.85 Wood road, brs. E and W.  
 53.70 Wash, 18 lks. wide, 2 ft. deep, course S. 50° E.  
 61.20 Wash, 18 lks. wide, 2 ft. deep, course S. 65° E.  
 70.32 Wash, 10 lks. wide, 2 ft. deep, course S. 80° E.  
 74.50 Wash, 15 lks. wide, 2 ft. deep, course S. 50° 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 brass cap, marked,

T 4 S S 20 in NW.,  
 R 16 W S 21 in NE.,  
 S 28 in SE., and  
 S 29 in SW. quadrants;  
 1913 on S. half; from which,

An ironwood, 6 ins. in diam., brs. N. 39° E., 159 lks. dist., marked T 4 S R 16 W S 21 B T.

No other trees within limits. 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. Adobe soil, covered with malpais gravel in places.

Greasewood brush; palo verde and ironwood timber.  
 Scattering giant cactus.

Thence East on a random line, bet. secs. 21 and 28.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.05 Intersect N. and S. line, 7 lks. N. of cor. of secs. 21, 22, 27 and 28.

Thence I run, N. 89° 57' W., on a true line, bet. secs. 21 and 28.  
 Over level land, through greasewood brush.

24.52 Wash, 15 lks. wide, 2 ft. deep, course SE.  
 40.025 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in

## BOOK 2698

20. Subdivision of Township 4 South, Range 16 West.

Chains,

the ground, for  $\frac{1}{4}$  sec.cor., with brass cap, marked  
 $\frac{1}{4}$  S 21 on N.half; and  
 S 28, 1913 on 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.

52.50 Enter wash, from west to S $\cdot$ 80 $^{\circ}$ E.64.20 Leave wash from N.80 $^{\circ}$ W. to east.

80.05 Corner of secs.20,21, 28 and 29.

Land, level. Adobe soil.

Greasewood brush; palo verde timber.

Scattering giant cactus.

July 20, 1913.

July 21, 1913: At 9h. 0m. a.m., l.m.t., I set off 33 $^{\circ}$   
 03 $\frac{1}{2}$ ' N. on lat. arc; and 20 $^{\circ}$ 31 $\frac{1}{2}$ ' N. on decl. arc, and  
 determine a meridian with the solar at the cor. of  
 secs. 20,21,28 and 29.

Thence I run,

N.0 $^{\circ}$ 02'W., on a true line, bet. secs.20 and 21.

Over level land, through brush.

1.25 Wash, 12 lks.wide, course S.85 $^{\circ}$ E.3.00 Wash, 25 lks.wide, 2 ft. deep, course S.80 $^{\circ}$ E.11.62 Wash, 25 lks.wide, 2 ft. deep, course S $\cdot$ 80 $^{\circ}$ E.25.00 Wash, 25 lks.wide, 2 ft. deep, course S.70 $^{\circ}$ 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 brass cap, marked $\frac{1}{4}$  S 20 on W.half;

S 21 on E.half; and

1913 on S.half;

dig pits, 18x18x2 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.

42.90 Wash, 15 lks.wide, 2 ft. deep, course S.65 $^{\circ}$  E.59.80 Wash, 15 lks.wide, 2 ft. deep, course S.70 $^{\circ}$ E.63.40 Wash, 10 lks.wide, 2 ft. deep, course S.80 $^{\circ}$ E.79.30 Wash, 10 lks.wide, 2 ft. deep, course S.80 $^{\circ}$ E.80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in  
the ground, for cor. of secs.16,17,20 and 21, with  
brass cap, marked

T 4 S S 17 in NW.,

R 16 W S 16 in NE.,

S 21 in SE., and

S 20 in SW. quadrants;

1913 on S.half;

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. Adobe soil, covered in places with malpais  
gravel.Greasewood brush; palo verde and ironwood timber along  
washes.

Thence East on a random line, bet. secs.16 and 21.

40.00 Set temp. $\frac{1}{4}$  sec.cor.79.97 Intersect the N. and S. line, 5 links south of cor. of secs.  
15,16,21 and 22.

Thence I run,

S.89 $^{\circ}$ 58'W., on a true line, bet. secs.16 and 21.

Over level land, through scattering brush.

39.985 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground, for  $\frac{1}{4}$  sec.cor., with brass cap, marked $\frac{1}{4}$  S 16 on N.half; and

S 21, 1913 on S.half; from which,

A palo verde, 14 ins. in diam., brs.N.26 $^{\circ}$ W., 90  
 lks. dist., marked  $\frac{1}{4}$  S 16 B T.

Subdivision of Township 4 South, Range 16 West. 21.

Chains.

A palo verde, 6 ins. in diam., brs. S. 69° W., 16 lks. dist. marked S 21 B T.

41.60 Wash, 18 lks. wide, 2 ft. deep, course S. 80° E.

50.00 Wash, 15 lks. wide, 2 ft. deep, course S. 85° E.

57.70 Wash, 15 lks. wide, 2 ft. deep, course S. 85° E.

61.20 Wash, 15 lks. wide, 1 ft. deep, course S. 5° E.

64.19 Old wagon road brs. NE. and S. 20° W.

74.90 Wash, 15 lks. wide, 2 ft. deep, course S. 80° E.

79.97 Cor. of secs. 16, 17, 20 and 21.

Land, level. Adobe soil, covered with malpais gravel in places.

Greasewood brush, 3 to 5 ft. high.

Palo verde and ironwood timber along washes.

July 21, 1913.

July 22, 1913:  
 At 1h. 0m. p.m., l.m.t., I set off 33° 04½' N. on lat. arc; and 20° 17½' N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 16, 17, 20 and 21,

Thence I run,  
 N. 0° 02' W., on a true line, bet. secs. 16 and 17.  
 Overland, through greasewood brush.

3.10 Wash, 10 lks. wide, course S. 60° E.

10.80 Wash, 15 lks. wide, course S. 80° E.

19.30 Wood road brs. N. 80° W. and S. 80° E.

21.45 Wash, 12 lks. wide, course S. 85° E.

30.00 Wash, 10 lks. wide, course S. 70° E.

37.90 Wash, 12 lks. wide, course S. 75° E.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor. with brass cap, marked ¼ S 17 on W. half; S 16 on E. half; and 1913 on S. half;

dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.

44.47 Wash, 15 lks. wide, 2 ft. deep, course S. 75° E.

49.32 Wash, 15 lks. wide, 2 ft. deep, course S. 70° E.

52.72 Wash, 10 lks. wide, 2 ft. deep, course S. 70° E.

64.20 Wash, 12 lks. wide, 2 ft. deep, course S. 70° E.

74.90 Wash, 18 lks. wide, 2 ft. deep, course S. 70° E.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, with brass cap, marked

T 4 S S 8 in NW.,  
 R 16 W S 9 in NE.,  
 S 16 in SE., and  
 S 17 in SW. quadrants;  
 1913 on S. half; from which,

A palo verde, 14 ins. in diam., bears N. 43° 45' E., 155 lks. dist., marked T 4 S R 16 W S 9 B T.  
 A palo verde, 10 ins. in diam., brs. N. 36° 45' W., 99 lks. dist., marked T 4 S R 16 W S 8 B T.

No other trees in limits. Dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, level. Adobe soil, with malpais gravel in places.

Greasewood brush, 4 to 5 ft. high.

Palo verde and ironwood timber along washes.

Thence East on a random line, bet. secs. 9 and 16.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N. and S. line, 7 lks. N. of cor. of secs. 9, 10,

## BOOK 2698

22. Subdivision of Township 4 South, Range 16 West.

Chains

	15 and 16. Thence I run, N.89°57'W., on a true line, bet. secs.9 and 16, over level land, through greasewood brush.
1.30	Wash, 25 lks.wide, 2 ft. deep, course S.65°E.
11.90	Wash, 12 lks.wide, 2 ft. deep, course S.65°E.
18.00	Wash, 15 lks.wide, 2 ft. deep, course SE.
19.30	Wash, 15 lks.wide, 2 ft. deep, course S°65°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 brass cap, marked $\frac{1}{4}$ S 9 on N.half; and S 16 1913 on 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 corner.
57.50	Wood road brs.N.50°W. and S.50°E.
66.10	Wash, 15 lks.wide, 2 ft. deep, course S.60°E.
75.60	Wood road, brs.N.and S.
75.70	Wash, 10 lks.wide, 2 ft. deep, course S.85°E.
80.00	Corner of secs. 8,9,16 and 17. Land,level. Adobe soil. Malpais gravel on top of ground. Greasewood brush. Palo verde and ironwood timber along washes. Scattering giant cactus.
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	N.0°02' W., on a true line, bet. secs.8 and 9. Over level land, through greasewood brush.
2.00	Wash, 8 lks.wide, course SE.
5.00	Wood road, brs.E.and W.
7.90	Wash, 12 lks.wide, 2 ft. deep, course S.70°E.
13.30	Wash, 12 lks.wide, 2 ft. deep, course S.70°E.
15.50	A road, brs.N.50°W. and S.50°E.
37.20	Wash, 10 lks.wide, 1 ft. deep, course S.60° 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 brass cap, marked $\frac{1}{4}$ S 8 on W.half; S 9 on E.half; and 1913 on S.half; from which, An ironwood, 4 ins. in diam., bears N.5°15'E., 101 lks.dist., marked $\frac{1}{4}$ S 9 B T. No other trees within limits; dig pits 18x18x12 ins., N.and S.of corner, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,W.of cor.
42.20	Wash, 12 lks.wide, course SE.
46.70	A wood road, brs.N.35°W. and S.35°E.
54.85	Wash, 10 lks.wide, 2 ft. deep, course S.65° E.
58.65	Wash, 30 lks.wide, 2 ft. deep, course S.70° E.
62.20	Wash, 10 lks.wide, 2 ft. deep, course S.60°E.
68.10	Wash, 12 lks.wide, 2 ft. deep, course S.50° E.
74.55	Road brs.NW. and SE.
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 and 9, with brass cap, marked T 4 S S 5 in NW., R 16 W S 4 in NE., S 9 in SE., and S 8 in SW. quadrants; & 1913 in S.half; from which, A palo verde, 8 ins. in diam., brs.N.1°30'E., 232 lks. dist., marked T 4 S R 16 W S 4 B T. A palo verde, 10 ins. in diam., brs.S 1°30'E., 241 lks.dist., marked T 4 S R 16 W S 9 B T. No other trees within limits; 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. Adobe soil.



Chains.

Greasewood brush. Palo verde and ironwood; scattering giant cactus.

Thence East on a random line, bet. secs. 4 and 9.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.07 Intersect N. and S. line, 3 lks. N. of cor. of secs. 3, 4, 9 and 10.  
 Thence I run,  
 N.  $89^{\circ}59'$  W., on a true line, bet. secs. 4 and 9.  
 Over level land, through greasewood brush.  
 1.32 Wash, 30 lks. wide, 2 ft. deep, course S.  $60^{\circ}$  E.  
 21.65 Wash, 10 lks. wide, 2 ft. deep, course S.  $40^{\circ}$  E.  
 36.17 Road brs. N.  $50^{\circ}$  W., and S.  $50^{\circ}$  E.  
 40.035 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked  $\frac{1}{4}$  S 4 on N. half; and S 9, 1913 on 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.  
 47.65 Wash, 12 lks. wide, 2 ft. deep, course S.  $40^{\circ}$  E.  
 56.91 Wash, 30 lks. wide, 2 ft. deep, course S.  $30^{\circ}$  E.  
 58.87 Wash, 10 lks. wide, 1 ft. deep, course S.  $40^{\circ}$  E.  
 75.00 Wash, 60 lks. wide, 3 ft. deep, course S.  $50^{\circ}$  E.  
 80.07 Corner of secs. 4, 5, 8 and 9.  
 Land, level. Adobe soil.  
 Greasewood brush.  
 Palo verde and ironwood timber along washes.  
 Scattering giant cactus.

July 22, 1913.

July 25, 1913:  
 N.  $0^{\circ}02'$  W. on a random line, bet. secs. 4 and 5.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.99 Intersect north bdy. of Tp., 7 lks. N.  $89^{\circ}57'$  W. of the cor. of secs. 4, 5, 32 and 33, established by me, as described in Book "B."  
 Thence I run,  
 S.  $0^{\circ}01'$  W., on a true line, bet. secs. 4 and 5.  
 Over level land, through greasewood brush.  
 12.90 Wash, 30 lks. wide, 5 ft. deep, course SE.  
 16.40 Wash, 12 lks. wide, 2 ft. deep, course S.  $50^{\circ}$  E.  
 20.80 Road brs. NW. and SE.  
 35.00 Wash, 12 lks. wide, 2 ft. deep, course S.  $50^{\circ}$  E.  
 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 brass cap, marked  $\frac{1}{4}$  S 5 on W. half; S 4 on E. half; and 1913 on S. edge of cap;  
 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.  
 48.00 Wash, 50 lks. wide, 3 ft. deep, course SE.  
 75.00 Wash, 50 lks. wide, 2 ft. deep, course S.  $65^{\circ}$  E.  
 77.50 Wash, 15 lks. wide, 2 ft. deep, course S.  $65^{\circ}$  E.  
 79.99 Cor. of secs. 4, 5, 8 and 9.  
 Land, level. Adobe soil; greasewood brush.  
 Palo verde timber along washes; scattering giant cactus.

July 25, 1913.

Chains.

	<p>July 23, 1913: At 8h. 0m. a.m., l.m.t., I set off <math>33^{\circ} 01\frac{1}{2}'</math> N. on the lat. arc, and <math>20^{\circ} 08\frac{1}{2}'</math> N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32, on south bdy. of Tp., established by W.K. Kierulff, U.S. Transitman, as described in Book "A."</p> <p>Thence I run, N. <math>0^{\circ} 03'</math> W., on a true line, bet. secs. 31 and 32. Over level land, through greasewood brush.</p>
5.67	Wash, 12 lks. wide, 3 ft. deep, course N. $85^{\circ}$ E.
17.00	Wash, 60 lks. wide, 3 ft. deep, course S. $85^{\circ}$ E.
28.90	Wash, 15 lks. wide, 2 ft. deep, course S. $50^{\circ}$ 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 brass cap, marked $\frac{1}{4}$ S 31 on W. half; S 32 on E. half; and 1913 on S. half; from which, A palo verde, 10 ins. in diam., brs. S. $8^{\circ} 30'$ E., 260 lks. dist., marked $\frac{1}{4}$ S 32 B T. A palo verde, 8 ins. in diam., brs. S. $60^{\circ}$ W., 62 lks. dist., marked $\frac{1}{4}$ S 31 B T.
47.20	Wash, 10 lks. wide, 2 ft. deep, course S. $50^{\circ}$ E.
64.75	Wash, 12 lks. wide, 2 ft. deep, course S. $60^{\circ}$ E.
71.00	Wash, 12 lks. wide, 3 ft. deep, course S. $50^{\circ}$ E.
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 brass cap, marked T 4 S S 30 in NW, R 16 W S 29 in NE., S 32 in SE., and S 31 in SW. quadrants; 1913 on S. half;
80.00	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. Adobe soil, covered with malpais gravel. Greasewood brush; palo verde and ironwood timber along washes.
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	East on a random line, bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.86	Intersect cor. of secs. 28, 29, 32 and 33. Thence I run, West, on a true line, bet. secs. 29 and 32. Over level land, through greasewood brush.
9.76	Wash, 10 lks. wide, 1 ft. deep, course S. $50^{\circ}$ E.
24.64	Wash, 10 lks. wide, 1 ft. deep, course S. $50^{\circ}$ E.
39.93	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 29 on N. half; and S 32 1913 on 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.
45.00	Wash, 18 lks. wide, 2 ft. deep, course S. $60^{\circ}$ E.
56.56	Wash, 12 lks. wide, 2 ft. deep, course S. $60^{\circ}$ E.
72.00	Wash, 10 lks. wide, 2 ft. deep, course S. $60^{\circ}$ E.
79.86	Cor. of secs. 29, 30, 31 and 32. Land, level. Adobe soil, covered in places with malpais gravel. Greasewood brush; palo verde and ironwood timber along washes; scattering giant cactus.
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Subdivision of Township 4 South, Range 16 West, 25.

Chains.

40.00 West, on a random line, bet. secs. 30 and 31.  
Set temporary  $\frac{1}{4}$  section corner.

80.62 Intersect west boundary of Township at cor. of secs. 25, 30, 31 and 36, established by me, as described in Book "B."  
Thence I run,  
East, on a true line, bet. secs. 30 and 31.  
Over stony surface; ascend NW. slope.

17.00 Descend steep NE. slope, over large boulders.

22.60 Foot of descent; brs. N. and S.

35.62 Wash, 60 lks. wide, 4 ft. banks, course S. 30° E. Heavy timber along banks.  
Thence over level land..

40.62 Set an iron post  $\frac{3}{8}$  ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked  $\frac{1}{4}$  S 30 on N. half, and S 31 1913 on 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.

67.00 Wash, 12 lks. wide, 2 ft. deep, course S. 50° E.

80.62 Cor. of secs. 29, 30, 31 and 32.  
Land, hilly, stony, 22.60 chs.  
Large boulders.  
Level adobe soil, 58.02 chs. Soil covered with malpais gravel; greasewood brush, 60.00 chs.  
Palo verde and ironwood along big washes

Note: At the cor. of secs. 29, 30, 31 and 32, I set off 20° 6' N. on the decl. arc, and at noon, observe the sun on the meridian; the resulting lat. is 33° 02 $\frac{1}{2}$ ' N.

Thence I run,  
N. 0° 03' W., on a true line, bet. secs. 29 and 30.  
Over level land, through greasewood brush.

2.50 Wash, 12 lks. wide, course S. 80° E.

3.90 Wash, 25 lks. wide, course east.

4.90 Ascend steep rocky south slope, over large boulders.

11.77 Top of ridge, brs. E. and W. The ridge is about 30.00 chs. long, E. and W., 315 ft. above south cor. Descend steep N. slope, over large boulders.

20.89 Foot of ridge, brs. E. and W. Thence over nearly level land.

21.20 Wash, 10 lks. wide, 2 ft. deep, course N. 8° E.

24.00 Wash, 18 lks. wide, 2 ft. deep, course east.

38.80 Wash, 12 lks. wide, 3 ft. deep, course S. 60° E.

40.00 Set an iron post  $\frac{3}{8}$  ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked  $\frac{1}{4}$  S 30 on W. half; S 29 on E. half; and 1913 on S. half; from which,  
A palo verde, 8 ins. in diam., brs. N. 68° E., 101 lks. dist., marked  $\frac{1}{4}$  S 29 B T.  
An ironwood, 4 ins. in diam., brs. S. 1° W., 120 lks. dist., marked  $\frac{1}{4}$  S 30 B T.

44.80 A wagon road, brs. N. 70° W., and east.

62.20 Wash, 12 lks. wide, 2 ft. deep, course S. 80° E.

65.50 Wash, 20 lks. wide, 2 ft. deep, course S. 50° E.

79.10 Wash, 15 lks. wide, 2 ft. deep, course S. 80° E.

80.00 Set an iron post  $\frac{3}{8}$  ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, with brass cap, marked  
T 4 S S 19 in NW.,  
R 16 W S 20 in NE.,  
S 29 in SE., and  
S 30 in SW. quadrants;  
1913 on S. half; from which,  
An ironwood, 5 ins. in diam., brs. N. 55° 30' E., 53 lks. dist., marked T 4 S R 16 W S 20 B T.

Chains.

A palo verde, 8 ins. in diam., brs.S.62°45'E.  
139 lks.dist., marked T 4 S R 16 W S 29 B T.

A palo verde, 6 ins. in diam., brs.S.35°45'W.,  
112 lks.dist., marked T 4 S R 16 W S 30 B T.

No other trees in limits; dig pits 18x18x12 ins., in each  
sec.5<sup>1</sup>/<sub>2</sub> ft. dist., and raise a mound of earth, 3 ft.  
base, 2 ft. high, W of cor.

Land, level, 65.00 chs.

Adobe soil, stony surface, hill and large boulders,15.00  
chs.

Greasewood brush, palo verde and ironwood timber; scatter-  
ing giant cactus.

East, on a random line, bet. secs.20 and 29.

Set temp.<sup>1</sup>/<sub>4</sub> sec.cor.

40.00  
79.94

Intersect N.and S. line, 7 lks.N.of cor.of secs.20,21,28  
and 29.

Thence I run,

N.89°57'W., on a true line, bet. secs.20 and 29.

Over level stony land, through greasewood brush.

7.50  
39.97

Wash, 15 lks.wide, 2 ft. deep, course S.70° E.

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
the ground, for <sup>1</sup>/<sub>4</sub> sec.cor., with brass cap, marked  
<sup>1</sup>/<sub>4</sub> S 20 on N.half, and

S 29, 1913 on S.half; from which,

An ironwood, 4 ins. in diam., bears N.18°15'E.,  
34 lks.dist., marked <sup>1</sup>/<sub>4</sub> S 20 B T.

No other trees in limits. Dig pits 18x18x12 ins.,E.and  
W.of cor., 3 ft. dist., and raise a mound of earth 3<sup>1</sup>/<sub>2</sub>  
ft.base, 1<sup>1</sup>/<sub>2</sub> ft. high, N.of cor.

46.30  
48.80  
58.54  
75.34  
79.54  
79.94

Wash, 18 lks.wide, course S.70°E.

Wash, 12 lks.wide, course S.80°E.

Wash, 12 lks.wide, course N.80°E.

Wash, 10 lks.wide, course S.70°E.

Wash, 12 lks.wide, course S.80°E.

Cor.of secs.19,20,29 and 30.

Land, adobe, stony soil. Greasewood brush; palo verde  
timber.

July 23, 1913.

July 24, 1913: At 9h. 0m. a.m.,l.m.t., I set off 33°03<sup>1</sup>/<sub>2</sub>'  
N. on lat.arc; and 19°55<sup>1</sup>/<sub>2</sub>'N. on decl.arc, and determine  
a meridian with the solar at the cor.of secs.19,20,29  
and 30.

Thence I run,

West, on a random line, bet. secs.19 and 30.

40.00  
80.46

Set temp.<sup>1</sup>/<sub>4</sub> sec.cor.

Intersect west bdy.of Tp., 2 lks.S.of cor.of secs.19,24,  
25 and 30, established by me, as described in Book "B."

Thence I run,

S.89°59'E., on a true line, bet. secs.19 and 30.

Over level land, through greasewood brush.

7.46  
19.50  
33.00  
40.46

Wash, 15 lks.wide, course SE.

Wash, 8 lks.wide, course S.70°E.

Wash, 10 lks.wide, course S. 80°E.

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground, for <sup>1</sup>/<sub>4</sub> sec.cor., with brass cap, marked  
<sup>1</sup>/<sub>4</sub> S 19 on N.half; and

S 30, 1913 on S.half; from which,

A palo verde 8 ins. in diam., brs.N.23°15'E.,  
183 lks.dist., marked <sup>1</sup>/<sub>4</sub> S 19 B T.

An ironwood, 5 ins. in diam., brs.S.60°E., 18  
lks.dist., marked <sup>1</sup>/<sub>4</sub> S 30 B T.

Subdivision of Township 4 South, Range 16 West. 27.

Chains.

41.60 Wash, 12 lks.wide, course S.80°E.  
 72.00 Wash, 25 lks.wide, course S.70°E.  
 80.46 Cor.of secs.19,20,29 and 30.  
 Land,level adobe soil, stony surface. Malpais rock.  
 Greasewood brush; palo verde and ironwood along washes;  
 scattering giant cactus.

N.0° 03' W., on a true line, bet. secs.19 and 20, over level land, through brush.  
 .90 Wash, 12 lks.wide, course S.80°E.  
 13.30 Wash, 18 links wide, course S.60°E.  
 28.00 A road brs.E.and W.  
 35.60 Wash, 12 lks.wide, 2 ft.deep, course S.60°E.  
 39.40 Wash, 12 lks.wide, 2 ft. deep, course S.60°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 brass cap, marked  $\frac{1}{4}$  S 19 on W.half; S 20 on E.half; and 1913 on S.half; from which,  
 A palo verde, 12 ins. in diam., brs.S.10°15'E., 109 lks.dist., marked  $\frac{1}{4}$  S 20 B T.  
 An ironwood, 12 ins. in diam., bears S.78°15'W., 192 lks.dist., marked  $\frac{1}{4}$  S 19 B T.  
 58.95 Wash, 25 lks.wide, 2 ft. deep, course S.60°E.  
 72.55 Wash, 10 lks.wide, 2 ft. deep, course S.60°E.  
 79.80 Wash, 10 lks.wide, 2 ft. deep, course S.80°E.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor.of secs.17,18,19 and 20, with brass cap, marked  
 T 4 S S 18 in NW.,  
 R 16 W S 17 in NE.,  
 S 20 in SE., and  
 S 19 in SW. quadrants;  
 1913 on S.half; from which,  
 An ironwood, 12 ins. in diam., brs.S.60°E., 95 lks.dist., marked T 4 S R 16 W S 20 B T.  
 A palo verde, 8 ins. in diam., brs.S.50°W., 147 lks.dist., marked T 4 S R 16 W S 19 B T.  
 No other trees in limits. Dig pits 18x18x12 ins., in each sec. 5 $\frac{1}{2}$  ft. dist., and raise a mound of earth and stone 4 ft.base, 2 ft.high,W.of cor.  
 Land,level. Adobe soil, covered with malpais stone.  
 Greasewood brush; palo verde and ironwood.  
 Scattering giant cactus.

Thence East on a random line, bet. secs.17 and 20.  
 40.00 Set temp. $\frac{1}{4}$  sec.cor.  
 79.95 Intersect N.and S. line,12 lks.N.of cor.of secs.16,17, 20 and 21.  
 Thence I run,  
 N.89°55'W., on a true line, bet. secs.17 and 20.  
 Over level land, through greasewood brush.  
 7.75 Wash, 8 lks.wide, course S.60° E.  
 30.80 Wash, 15 lks.wide, course S.60°E.  
 39.975 Set an iron post 3 ft.long, 1 in. indiam., 26 ins. in the ground, for  $\frac{1}{4}$  sec.cor., with brass cap, marked  $\frac{1}{4}$  S 17 on N.half; and S 20, 1913 on S.half; from which,  
 A palo verde, 6 ins. in diam., brs.N.77°30'E., 12 lks.dist., marked  $\frac{1}{4}$  S 17 B T.  
 A catsclaw. 4 ins. in diam., brs.S.86°30'E., 29 lks.dist., marked  $\frac{1}{4}$  S 20 B T.  
 77.45 Wash, 10 lks.wide, 2 ft.deep, course N.85°E.  
 79.95 Cor.of secs.17,18,19 and 20.

## BOOK 2698

## 28. Subdivision of Township 4 South, Range 16 West.

Chains,

Land, level. Adobe soil, covered with malpais gravel. Greasewood brush; palo verde and ironwood timber along washes.

I run west on a random line, bet. secs. 18 and 19.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.44 Intersect the corner of secs. 13, 18, 19 and 24, on west bdy. of Tp., established by me, as described in Book "B." Thence I run, East, on a true line, bet. secs. 18 and 19. Over level land, through greasewood brush.  
 4.36 Wash, 10 lks. wide, course SE.  
 12.44 A road, brs. NW. and SE.  
 19.81 Wash, 15 lks. wide, 2 ft. deep, course S. 70° E.  
 22.44 A road brs. N. 20° E. and S. 20° W.  
 35.00 Wash, 10 lks. wide, 2 ft. deep, course SE.  
 40.44 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked  $\frac{1}{4}$  S 18 on N. half; and S 19, 1913 on S. half; from which, A palo verde, 8 ins. in diam., brs. S. 73° 30' E., 73 lks. dist., marked  $\frac{1}{4}$  S 19 B T.  
 No other trees within limit. Pits impracticable.  
 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.  
 41.30 Wash, 15 lks. wide, 2 ft. deep, course N. 70° E.  
 70.44 Wash, 10 lks. wide, 2 ft. deep, course N. 70° E.  
 79.84 Wash, 10 lks. wide, 2 ft. deep, course S. 80° E.  
 80.44 Cor. of secs. 17, 18, 19 and 20.  
 Land, level. Adobe soil, covered with malpais gravel. Brush, greasewood, palo verde timber along washes. Scattering giant cactus.

N. 0° 03' W., on a true line, bet. secs. 17 and 18.  
 Over level land, through greasewood brush.  
 4.80 Wash, 18 lks. wide, 2 ft. deep, course E.  
 10.00 Wagon road brs. E. and W.  
 12.90 Wash, 10 lks. wide, 2 ft. deep, course S. 80° E.  
 17.00 Wagon road brs. NE. and SW.  
 21.00 Wash, 10 lks. wide, course SE.  
 34.80 Wash, 18 lks. wide, 2 ft. deep, course S. 60° E.  
 40.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked  $\frac{1}{4}$  S 18 on W. half; S 17 on E. half, and 1913 on S. half; from which, A palo verde, 5 ins. in diam., bears N. 24° E., 40 lks. dist., marked  $\frac{1}{4}$  S 17 B T.  
 A palo verde, 12 ins. in diam., brs. N. 3° 15' W., 99 lks. dist., marked  $\frac{1}{4}$  S 18 B T.  
 45.54 Wash, 12 lks. wide, 2 ft. deep, course S. 20° E.  
 49.60 Wash, 15 lks. wide, 2 ft. deep, course east.  
 57.90 Wash, 12 lks. wide, 2 ft. deep, course S. 80° E.  
 65.80 Wash, 12 lks. wide, 2 ft. deep, course east.  
 72.06 Wash, 15 lks. wide, 2 ft. deep, course S. 80° E.  
 76.72 Wash, 12 lks. wide, 2 ft. deep, course S. 8° 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 and 18, with brass cap, marked  
 T 4 S S 7 in NW.,  
 R 16 W S 8 in NE.,  
 S 17 in SE., and  
 S 18 in SW. quadrants;  
 1913 on S. half; from which,  
 A palo verde, 10 ins. in diam., brs. N. 48° 15' E., 205 lks. dist., marked T 4 S R 16 W S 8 B T.

Chains.

A palo verde, 6 ins in diam., brs. S.1°E., 205 lks.dist., marked T 4 S R 16 W S 17 B T.  
 No other trees within limits. Dig pits, 18x18x12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of stone and earth 4 ft. base, 2 ft. high, west of cor.  
 Land, level. Adobe soil. covered with malpais gravel. Greasewood brush, 4 to 6 ft. high.  
 Palo verde timber along washes; scattering giant cactus.  
 July 24, 1913.

July 25, 1913: At 8h. 0m. a.m., l.m.t., I set off 33°05' N., on lat.arc, and 19°43 1/2' N. on decl.arc, and determine a meridian with the solar at the cor.of secs.7,8, 17 and 18.

Thence  
 I run East on a random line, bet. secs.8 and 17.  
 40.00 Set temp. 1/4 sec.cor.  
 79.91 Intersect N.and S. line, 7 lks.S.of cor.of secx. 8,9,16 and 17.

Thence I run,  
 S.89°57'W., on a true line, bet. secs.8 and 17.  
 Over level land, through greasewood brush.  
 17.21 Wash, 8 lks.wide, course S.60°E.  
 31.91 Wash, 12 lks.wide, 2 ft. deep, course S.60°E.  
 39.955 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec.cor., with brass cap, marked 1/4 S 8 on N.half; and 1/4 S 17, 1913 on S.half;  
 dig pits, 18x18x12 ins., E and W.of cor., 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N.of corner.

42.70 Road brs.NW. and SE.  
 74.65 Wash, 12 lks.wide, 2 ft. deep, course S.60° E.  
 79.91 Cor.of secs.7,8,17 and 18.  
 Land, level. Adobe soil, covered with malpais gravel and rock.  
 Palo verde timber along washes.  
 Scattering giant cactus; greasewood brush.

40.00 West, on a random line, bet. secs.7 and 18.  
 80.36 Set temp. 1/4 sec.cor.  
 Intersect west bdy.of Tp., 2 lks.north of cor.of secs.7,12, 13 and 18, established by me, as described in Book "B."

Thence I run,  
 N.89°59'E., on a true line, bet. secs.7 and 18.  
 Over level land, through brush.  
 31.62 Wood road brs.NE. and SW.  
 40.36 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec.cor., with brass cap, marked 1/4 S 7 on N.half; and 1/4 S 18 1913 on S.half; from which,  
 A palo verde, 6 ins. in diam., brs.N.9°30'E., 15 lks.dist., marked 1/4 S 7 B T.  
 A palo verde, 5 ins. in diam., brs.S.37°15'W., 41 lks.dist., marked 1/4 S 18 B T.

40.46 Wash, 8 lks.wide, course south.  
 70.36 Wash, 10 lks.wide, 2 ft. deep, course S.70°E.  
 80.36 Cor.of secs.7,8,17 and 18.  
 Land, level adobe; soil covered with malpais gravel. Greasewood brush; palo verde timber; giant cactus.

N.0° 03' W., on a true line, bet. secs.7 and 8.  
 Over level land, through greasewood brush.

## BOOK 2698

30. Subdivision of Township 4 South, Range 16 West.

Chains.

- 1.00 Wash, 8 lks.wide, course east.  
 3.10 Wash, 12 lks.wide, 2 ft. deep, course S.85°E.  
 12.20 Wash, 15 lks.wide, 2 ft. deep, course S.80°E.  
 20.00 Road brs.NE. and SW.  
 24.70 Wash, 12 lks.wide, 2 ft. deep, course S.80° 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 brass cap, marked  
 $\frac{1}{4}$  S 7 on W.half;  
 S 8 on E.half; and  
 1913 on S.half; from which,  
 A palo verde, 12 ins. in diam., brs.N.7°15'E.,  
 226 lks.dist., marked  $\frac{1}{4}$  S 8 BT.  
 No other trees within limits. Dig pits 18x18x12 ins., N. and S. of cor, 3 ft. dist., and raise a mound of earth and stone,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 55.85 Wash, 12 lks.wide, 2 ft. deep, course east.  
 58.75 Wash, 12 lks.wide, 2 ft. deep, course S.80°E.  
 59.15 Wash, 15 lks.wide, 2 ft. deep, course east.  
 77.75 A road brs.NE. and SW.  
 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 and 8, with brass cap, marked.  
 T 4 S S 6 in NW.,  
 R 16 W S 5 in NE.,  
 S 8 in SE., and  
 S 7 in SW. quadrants;  
 1913 on S. edge of cap;  
 dig pits, 18x18x12 ins., in each sec.  $5\frac{1}{2}$  ft. dist., and and raise a mound of earth and stone, 4 ft. base, 2 ft. high, west of corner.  
 Land, level. Adobe soil, covered with malpais stone.  
 Greasewood brush and palo verde timber.
- 
- Note: At the cor. of secs. 5, 6, 7 and 8, I set off 19°41' N. on decl. arc, and at noon, observe the sun on the meridian; the resulting latitude is 33°06' N.  
 Thence  
 I run East, on a random line, bet. secs. 5 and 8.  
 40.00 Set a temp.  $\frac{1}{4}$  sec.cor.  
 79.92 Intersect N. and S. line, 7 lks. N. of cor. of secs. 4, 5, 8 and 9.  
 Thence I run,  
 N. 89°57' W., on a true line, bet. secs. 5 and 8.  
 Over level land, through brush.  
 3.72 Wash, 12 lks.wide, 2 ft. deep, course S.50°E.  
 7.92 Wood road, brs. N. and S.  
 24.62 Wood road brs.NE. and SW.  
 35.14 Wash 12 lks.wide, 2 ft. deep, course S.50° E.  
 38.62 Wash, 40 lks.wide, 3 ft. deep, course S.50°E.  
 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 brass cap, marked  
 $\frac{1}{4}$  S 5 on N.half; and  
 S 8, 1913 on S.half; from which,  
 A palo verde, 10 ins. in diam., brs.N.49°E., 68 lks.dist., marked  $\frac{1}{4}$  S 5 B T.  
 A palo verde, 8 ins. in diam., brs.S.82°E., 116 lks.dist., marked  $\frac{1}{4}$  S 8 B T.  
 76.72 Wagon road brs.NE. and SW.  
 79.92 Cor. of secs. 5, 6, 7 and 8.  
 Land, level. Adobe soil. Greasewood brush. Palo verde and ironwood timber along washes; scattering giant cactus.

July 25, 1913.



## Subdivision of Township 4 South, Range 16 West, 31.

Chains,

July 26, 1913: At 8h. 0m. a.m., l.m.t., I set off  $33^{\circ}06'$  N., on lat.arc, and  $19^{\circ}30\frac{1}{2}'$  N. on the decl.arc, and determine a meridian with the solar at the cor.of secs. 5,6,7 and 8.

Thence  
I run West, on a random line, bet. secs.6 and 7.

40.00 Set temp. $\frac{1}{4}$  sec.cor.  
80.25 Intersect the west bdy.of the Tp.3 lks.N.of the cor.of secs.1, 6,7 and 12, established by me, as described in Book "B."  
Thence I run,  
N. $89^{\circ}59'$ E., on a true line, bet. secs.6 and 7.  
Over level land, through brush.

10.00 Road brsN. $70^{\circ}$ W. and S. $70^{\circ}$ E.  
40.25 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec.cor., with brass cap, marked  $\frac{1}{4}$  S 6 on N.half; and  
S 7, 1913 on S.half; from which,  
An ironwood, 10 ins. in diam., brs.N. $43^{\circ}$ E., 216 lks.dist., marked  $\frac{1}{4}$  S 6 B T.  
An ironwood, 10 ins. in diam., bears S. $17^{\circ}30'$ W., 73 lks.dist., marked  $\frac{1}{4}$  S 7 B T.

43.70 Wash, 12 lks.wide, 2 ft. deep, course S. $80^{\circ}$ E.  
67.20 Wash, 12 lks.wide, 2 ft. deep, course N. $80^{\circ}$ E.  
80.25 Cor.of secs.5,6,7 and 8.  
Land,level. Adobe soil, covered with malpais gravel. Greasewood brush; palo verde and ironwood timber along washes; scattering giant cactus.

40.00 N. $0^{\circ}03'$  W., on a random line, bet. secs.5 and 6.  
Set temp. $\frac{1}{4}$  sec.cor.  
79.93 Intersect north bdy.of Tp., 2 lks.N. $89^{\circ}57'$ W., of the cor. of secs. 5,6,31 and 32, established by me, as described in Book "B."  
Thence I run,  
S. $0^{\circ}02'$ E., on a true line, bet. secs.5 and 6..  
Over level land, through brush.

26.47 Wash, 15 lks.wide, 2 ft. deep, course S. $50^{\circ}$  E.  
37.53 Wash, 12 lks.wide, 2 ft. deep, course east.  
39.93 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec.cor., with brass cap, marked  $\frac{1}{4}$  S 6 on W.half;and  
S 5 on E.half;  
1913 on S'edge of cap, from which,  
An ironwood, 8 ins. indiam., brs.N. $64^{\circ}$ W., 186 lks.dist., marked  $\frac{1}{4}$  S 6 B T.  
A palo verde, 10 ins. in diam., brs.S. $60^{\circ}$ E., 158 lks.dist., marked  $\frac{1}{4}$  S 5 B T.

42.10 Wash, 10 lks.wide,course E.  
55.00 Wash, 10 lks.wide, course east.  
61.15 Wash, 15 lks.wide, course east.  
66.13 A wood road, brs.N. $70^{\circ}$ E. and S. $70^{\circ}$ W.  
72.59 Wash, 12 lks.wide, 2 ft. deep, course east.  
79.93 Cor,of secs.5,6,7 and 8.  
Land,level. Adobe soil; greasewood brush. Palo verde and ironwood along washes; scattering giant cactus.

Note: All lines runwest by solar observation. A solar observationttaken at each set up.

July 26, 1913.

GENERAL DESCRIPTION.

This township has a gradual SE. slope, and is cut up by numerous washes, with palo verde and ironwood along banks of washes. Most of the large ironwood has been

cut down and hauled away, which makes excellent fire-wood and fence posts. The palo verde is almost worthless as a commercial value. The entire township is covered with greasewood brush from 3 to 8 ft. high. The soil is adobe from 1 to 2 ft. deep, and about  $\frac{3}{4}$  of the township is covered with malpais gravel. The middle well is located in the NW. corner of sec. 23, which is 500 ft. deep. No water in it at the time the survey was made. There is no grass in the township, and there are no settlers. Scattering giant cactus over the entire township.

*N. H. Thorn*  
U.S. Surveyor.

For FINAL OATH OF UNITED STATES SURVEYOR.

see book " L " (subdivision of T.5 S.,R.13 W.)

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
 this \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,  
 Phoenix, Arizona DECEMBER 1\_\_\_\_, 1914

The foregoing field notes of the survey of the \_\_\_\_\_  
 Subdivision Lines of \_\_\_\_\_  
 Township No.4 South, Range No.16 West  
 of the Gila and Salt River Base and Meridian,  
 in the State of Arizona

executed by W.H.Thorn, U.S.Surveyor  
 under his special instructions dated February 26, 1913, for Group 28\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Frank S. Ingalls*  
 U. S. Surveyor General.  
 of Arizona

~~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.~~