

D P.  
2308  
BOOK 2308  
**FIELD NOTES**

211  
FEB. 12 1912

OF THE SURVEY OF THE

2308

*Subdivision Lines of T 21 N. R 15 W.*

2308

Of the *T 21 N. R. 15 W.* Meridian,

In the State of *Territory of Arizona*

EXECUTED BY

*W. O. DeCar*

*Assistant*  
In the capacity of U. S. Surveyor, under instructions dated *Sept. 16, 1910*,  
issued by the United States Surveyor General to govern surveys included in  
Group No. *9*, which were approved by the Commissioner of the General Land  
Office, *Sept. 28*, 1910, pursuant to authority contained in the Act of  
Congress dated *February 27*, 1910/1899.

Survey commenced *March 26*, 191*1*

Survey completed *April 8*, 191*1*

2308

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1A212

*Not Batts, see Book J*

BOOK 2308

INDEX DIAGRAM.

Township 21 N, Range 15 W

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*Not D. Bdy, see Book C. Group 10*

*" N. E. and W. Bds. see " D. " 10*

Chains.

Survey commenced March 26, 1911, and executed with a Buff & Burger engineer's transit #672 with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to 30" of arc. I examine the adjustments of the transit and solar apparatus, and find them to be correct; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:  
 At the Standard cor. of secs. 35 and 36, at 7h.10m.p.m., l.m.t., I observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a stake set in the ground about 5 chs. N. of my station.  
 March 26, 1911.

March 27. At 7:30 a.m., l.m.t., I lay off the azimuth of Polaris 1° 26' to the east, and mark the meridian thus determined, by a tack set in a stake about 5 chs. north of my station.  
 At 8:00 a.m., l.m.t., I set off 35°10'N. on the lat. arc; 2°21'N. on the decl. arc, and determine a meridian with the solar; this point falls 0.2 ins. east of the point established by the Polaris observation.  
 At 12h.06m. p.m., l.m.t., I set off 2°24'N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 35° 10'N.  
 At 3h.0m. p.m., l.m.t., I set off 35°10'N. on the lat. arc; 2°27'N. on the decl. arc, and determine a meridian with the solar; this point falls 0.3 ins. east of the point established by the Polaris observation; I therefore conclude that the adjustments of my instrument are satisfactory.  
 The magnetic bearing of the meridian is 14°50'W.; the angle thus determined gives the magnetic declination 14°50'E.; thence I run,

N.0°1'W., bet. secs. 35 and 36.  
 Over mountainous land; ascend SE. slope of rocky spur, through scattering oak brush and dense palo negro.  
 Top of rocky spur, descend.  
 Foot of slope.  
 Set an iron post 3 ft. long, 1 in. in diam. in a mound of stone for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{2}$  S 35 in W., and  
 S 36 in E. half, and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.  
 Road, brs. N.60°W., S 60°E.  
 Head of wash, 10 lks. wide, course NW.  
 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. to secs. 25, 26, 35 and 36, marked on brass cap,  
 T 21 N, R 15 W in N.,  
 S 26 in NW.,  
 S 25 in NE.,  
 S 36 in SE., and  
 S 35 in SW. quadrant, and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 Land, mountainous.  
 Soil, thin and rocky, 4th rate.  
 Timber, dense palo negro and scattering oak brush.

34.00  
 37.00  
 40.00  
 49.70  
 50.00  
 80.00

## 2. Subdivision of Township 21 North, Range 15 West.

## Chains.

- East, on a random line, bet. secs. 25 and 36.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.02 Intersect east bdy. of township 5 lks. N. of corner of secs. 25, 30, 31 and 36.
- Thence I run,  
N.  $89^{\circ}58'$  W. on a true line, bet. secs. 25 and 36.  
Over mountainous land, across foot-hills of the Hualpai Mountains; descend through a dense scrub oak.
- 8.00 Foot of hill.
- 10.00 Wash, 40 lks. wide, course NE., ascend.
- 20.00 Top of low spur, bears NE. and SW.
- 31.00 Wash, 20 lks. wide, course NE.
- 37.00 Ascend ridge.
- 40.01 Top of ridge.  
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 25 in N., and  
S 36 in S. half; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.; descend.
- 44.00 Gulch, 50 lks. wide, course NE.
- 80.02 The cor. of secs. 25, 26, 35 and 36.  
Land, mountainous.  
Soil, rocky, 4th rate; timber, dense scrub oak; fair grazing.

- N.  $0^{\circ}1'$  W., bet. secs. 25 and 26.  
Descend gentle slope, through scattering clumps of thick oak brush.
- 32.00 Wash, 30 lks. wide, course N.  $30^{\circ}$  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., marked on brass cap,  
 $\frac{1}{4}$  S 26 in W., and  
S 25 in E. half; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 60.00 Low ridge, brs. N.  $20^{\circ}$  E. and S.  $20^{\circ}$  W.; descend.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. to secs. 23, 24, 25 and 26, marked on brass cap,  
T 21 N R. 15 W in N. half;  
S 23 in NW.,  
S 24 in NE.,  
S 25 in SE., and  
S 26 in SW. quadrant; dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
Land, rolling.  
Soil, heavy granite, sand and gravel.  
Scattering clumps of thick oak brush; fair grazing.

- S.  $89^{\circ}58'$  E. on a random line, bet. secs. 24 and 25.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.98 Intersect E. bdy. of township at corner of secs. 19, 24, 25, and 30.
- Thence I run,  
N.  $89^{\circ}58'$  W. on a true line, bet. secs. 24 and 25.  
Over rolling hills, sloping north; ascend.
- 15.50 Ridge, bears NE. and SW.; descend.
- 31.50 Wash, 25 lks. wide, course NE.; ascend.
- 39.00 Top of ridge, bears NE. and SW.; descend.
- 39.99 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,

Chains.

$\frac{1}{4}$  S 24 in N. and  
 S 25 in S.half; and raise a mound of stone 2 ft. base,  
 $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 44.80 Gulch, 50 lks. wide, course NE.; ascend.  
 52.50 Gulch, 50 lks. wide, course NE.  
 71.00 Ridge brs. N.15°E. and S.15°W.  
 79.98 The cor. of secs. 23, 24, 25 and 26.  
 Land, rough and rolling.  
 Soil, a heavy granite sand and gravel.  
 No timber; fair grazing.

March 27, 1911.

March 28; At 8:00 a.m., l.m.t., I set off 35°11'N. on the  
 lat. arc; 2°44'N. on the decl. arc, and determine a  
 meridian with the solar at the cor. of secs. 23, 24, 25  
 and 26.

Thence I run,  
 N.0°01'W., bet. secs. 23 and 24.  
 Descend over heavily rolling ground.  
 15.00 Wash, 40 lks. wide, course N.30°W.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 23 in W., and  
 S 24 in E.half; dig pits 18x18x12 ins. N. and S. of  
 post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 Ascend.  
 43.50 Top of low ridge, bears N.15°W. and SE., descend.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground for cor. of secs. 13, 14, 23 and 24, marked on  
 brass cap,  
 T 21 N, R 15 W in N.,  
 S 14 in NW.,  
 S 13 in NE.,  
 S 24 in SE., and  
 S 23 in SW. quadrant; dig pits 18x18x12 ins. in  
 each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4  
 ft. base, 2 ft. high, W. of cor.  
 Land, heavily rolling; soil, heavy granite sand, mixed  
 with gravel; good grazing.

S.89°58'E. on a random line, bet. secs. 13 and 24.  
 Over rolling land.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.98 Intersect E. bdy. of township, 5 lks. south of cor. of secs.  
 13, 18, 19 and 24; thence I run,  
 West on a true line, bet. secs. 13 and 24.  
 7.50 Wash, course NE.; ascend.  
 26.00 Top of ridge, bears N.10°E. and S.10°W.; descend.  
 39.00 Ravine, course N.10°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., marked on brass cap,  
 $\frac{1}{4}$  S 13 in N., and  
 S 24 in S.half, and raise a mound of stone 2 ft.  
 base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 79.98 The cor. of secs. 13, 14, 23 and 24.  
 Land, rolling.  
 Soil, a sandy loam, mixed with gravel; fair grazing.

## 4. Subdivision of Township 21 North, Range 15 West.

Chains.

- N.0°01'W., bet. secs.13 and 14.  
Descend over rolling land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  $\frac{1}{4}$  S 14 in W., and S 13 in E.half; and raised a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W.of cor. Pits impracticable.
- 59.00 Wash, 30 lks.wide, course NW.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor.of secs. 11,12,13 and 14, marked on brass cap,  
T 21 N, R 15 W in N.half;  
S 11 in NW.,  
S 12 in NE.,  
S 13 in SE., and  
S 14 in SW. quadrant; dig pits 18x18x12 ins.in each sec. $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W.of cor.  
Land, a sandy loam, mixed with gravel, rolling; fair grazing.

- March 28, 1911: At the cor.of secs. 11,12,13 and 14, at 12.05 p.m., l.m.t., I set off 2°47 $\frac{1}{2}$ 'N. on the decl. arc; observe the sun on the meridian; the resulting lat. is 35°13'N.; thence I run,  
East, on a random line, bet., secs.12 and 13.
- 40.00 Set temporary  $\frac{1}{4}$  sec.cor.
- 80.02 Intersect east boundary of Tp. 3 lks.N.of cor. of secs. 7,12,13 and 18; thence I run,  
N.89°59'W. on a true line, bet. secs.12 and 13.  
Over rolling land.
- 40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  $\frac{1}{4}$  S 12 in N., and S 13 in S.half; dig pits 18x18x12 ins.E.and W.of post 3 ft. dist., and raise a mound of earth 4 ft. base,  $1\frac{1}{2}$  ft. high, W.of cor.
- 49.00 Wash, 20 lks.wide, course NW.
- 80.02 The cor.of secs. 11,12,13 and 14.  
Land, rolling.  
Soil, a sandy gravel, 3rd rate.  
Fair grazing.

- N.0°01' W., bet, secs.11 and 12.  
Over rolling land, descend.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  $\frac{1}{4}$  S 11 in W., and S 12 in E.half; dig pits 18x18x12 ins.N.and S.of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W.of cor.
- 52.00 Wash, 40 lks.wide, course NW.
- 80.00 Set an iron post 3 ft. long, 2 ins.diam., 26 ins. in the ground for cor.of secs.1,2,11 and 12, marked on brass cap,  
T 21 N R 15 W in N.;  
S 2 in NW.,  
S 1 in NE.,  
S 12 in SE., and  
S 11 in SW. quadrant; dig pits 18x18x12 ins.N.and S. of post 3 ft. dist., and raise a mound of earth

Chains.

3 1/2 ft. base, 1 1/2 ft. high, W. of cor.  
Land, rolling.  
Soil, a sandy loam; fair grazing.

S. 89° 59' E. on a random line, bet. secs. 1 and 12.

40.00

Set temp. 1/4 sec. cor.

80.04

Intersect E. bdy. of township 2 lks. north of cor. of secs. 1, 6, 7 and 12; thence I run, N. 89° 58' W., on a true line, bet. secs. 1 and 12. Over rolling land.

10.50

Wash, 15 lks. wide, course NW.

40.02

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 1 in N., and S 12 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

54.00

Wash, 150 lks. wide, course NW.

80.04

The cor. of secs. 1, 2, 11 and 12.

Land, rolling.

Soil, a sandy loam, fair grazing.

N. 0° 01' W, on a random line, bet. secs. 1 and 2.

40.00

Set temp. 1/4 sec. cor.

80.02

Intersect N. bdy. of township at corner of secs. 1, 2, 35 and 36.

Thence I run,

S. 0° 01' E. on a true line, bet. secs. 1 and 2.

Over rolling land; ascend.

3.00

Wash, 40 lks. wide, course NW.

40.02

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

54.50

Wash 150 lks. wide, course NW.

80.02

The cor. of secs. 1, 2, 11 and 12.

Land, rolling.

Soil, a sandy loam, fair grazing.

March 28, 1911.

March 29, 1911: At 8:00 a.m., l.m.t., I set off 3° 08' N. on the decl. arc; 35° 10' N. on the lat. arc, and determine a meridian with the solar at the standard cor. of secs. 34 and 35.

Thence I run,

N. 0° 01' W., bet. secs. 34 and 35.

Over mountainous land, through scattering palo negro and dense oak brush.

7.80

Spur, descend precipitously.

29.00

Bottom of canyon, 75 lks. wide, course NE.; ascend abruptly.

40.00

Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone to bedrock for 1/4 sec. cor., marked on brass cap,

1/4 S 34 in W., and

S 35 in E. half; and raise a mound of stone 2 ft.

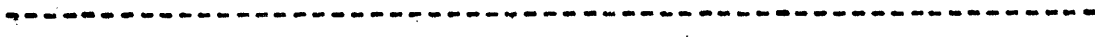
base, 1 1/2 ft. high, N. of cor. Pits impracticable.

Top of spur, bears E. and W.; descend.

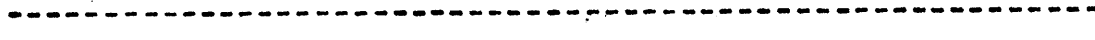
6. Subdivision of Township 21 North, Range 15 West.

Chains.

47.00 Foot of descent; ascend.  
 72.75 Top of spur; descend NW.slope.  
 80.00 Set an iron post 3 ft. long, 2 ins.diam., 24 ins. in the ground for cor.of secs. 26,27, 34 and 35, marked on brass cap,  
 T 21 N R 15 E in N.half,  
 S 27 in NW.,  
 S 26 in NE.,  
 S 35 in SE., and  
 S 34 in SW. quadrant, and raise a mound of stone 2 ft. base, 1½ ft. high,W.of cor. Pits impracticable.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, scattering palo negro and dense oak brush.



East on a random line bet. secs. 26 and 35.  
 40.00 Set temp. ¼ sec.cor.  
 80.00 Intersect N.and S. line 2 lks.N,of cor. to secs. 25,26, 35 and 36; thence I run, N.89°59'W. on a true line, bet. secs.26 and 35. Over heavily rolling land, through scattering oak brush.  
 6.00 Wash,30 lks.wide, course N.  
 17.70 Wash,40 lks.wide, course NW.  
 29.69 Road, bears NW.and SE. Ascend over mountainous land.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec.cor., marked on brass cap, ¼ S 26 in N., and S 35 in S.half; and raise a mound of stone 2 ft. base, 1½ ft. high,N.of cor. Pits impracticable.  
 45.40 Gulch,60 lks.wide, course N.; ascend.  
 52.00 Spur, bears N.and S.  
 62.00 Spur brs. NE.and SW.; descend.  
 80.00 The cor.to secs.26,27,34 and 35. Land, heavily rolling and mountainous. Soil, rocky, 3rd rate. Timber, palo negro, with oak brush.



March 29, 1911: At this cor. I set off 3°11' N. on the decl.arc; at 12h.05m.p.m.,1.m.t., observe the sun on the meridian; the resulting lat.is 35° 10'N. N.0°01'W., bet. secs.26 and 27. Descend steep slope of mountain, through scattering palo negro and oak brush.  
 14.00 Point of spur; descend;mine shaft bears E.2 chs.  
 16.42 Wire fence bears N.52°E.  
 23.50 Wash,20 lks.wide, course N.15°E. Foot of steep descent.  
 38.00 House of W.E.Frost bears E.10 chs.dist.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec.cor., marked on brass cap, ¼ S 27 in W., and S 26 in E.half; and raised a mound of stone 2 ft. base, 1½ ft. high,W.of cor. Pits impracticable.  
 54.46 Wire fence brs. NW.and SE.  
 55.04 Road, brs. NW.and SE.  
 78.00 Wash, course N.10°W.  
 80.00 Set an iron post 3 ft. long, 2 ins.diam., 24 ins. in the ground for cor.to secs. 22,23,26 and 27, marked on brass cap,  
 T 21 N R 15 W. in N.half;  
 S 22 in NW.,  
 S 23 in NE.,  
 S 26 in SE., and  
 S 27 in SW.quadrant, and raise a mound of stone 2



Chains.

ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.  
Land, rough and rolling.  
Soil, rocky, 3rd rate.  
Timber, scattering palo negro with oak brush; fair grazing.

- 
- S. 89°59'E. on a random line, bet. secs. 23 and 26.
  - 40.00 Set temp. 1/4 sec. cor.
  - 80.01 Intersect N. and S. line at the cor. of secs. 23, 24, 25 and 26.
  - Thence I run,  
N. 89°59'W., on a true line, bet. secs. 23 and 26.  
Over heavily rolling land.
  - 11.25 Wash, course NW.
  - 18.50 Wash, course N.
  - 40.00 1/2 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 23 in N., and S 26 in S. half, and raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
  - 41.75 Wash, course NW.
  - 65.00 Gulch, course N.
  - 80.01 The cor. of secs. 22, 23, 26 and 27.  
Land, heavily rolling.  
Soil, heavy granite sand mixed with gravel.  
No timber.

March 29, 1911.

March 30, 1911: At 8:00 a.m., l.m.t., I set off 35°11'N. on the lat. arc; 3° 31' N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 22, 23, 26 and 27.

- Thence I run,  
N. 0°1'W., bet. secs. 22 and 23.  
Over heavily rolling land; descend.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 22 in W., and S 23 in E. half; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.
- 48.00 Wash, 100 lks. wide, course NE.
- 80.00 Set an iron post 2 ins. diam., 24 ins. in the ground for cor. of secs. 14, 15, 22 and 23, marked on brass cap, T 21 N R 15 W in N. half;  
S 15 in NW.,  
S 14 in NE.,  
S 23 in SE., and  
S 22 in SW. quadrant; 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, heavily rolling.  
Soil, a sandy loam, mixed with gravel.  
No timber.

- 
- S. 89°59'E. on a random line, bet. secs. 14 and 23.
  - 40.00 Set temp. 1/4 sec. cor.
  - 80.04 Intersect N. and S. line 5 lks. S. of cor. of secs. 13, 14, 23 and 24.
  - Thence I run,  
S, 89°59'W. on a true line, bet. secs. 14 and 23.

## 8. Sundivision of Township 21 North, Range 15 West.

Chains

- Over heavily rolling land.
- 13.50 Low ridge, bears N.10°W. and S.10°E.; descend.
- 18.00 Gulch, 40 lks. wide, course N.15°W.; ascend.
- 25.00 Point of ridge, brs. S.
- 31.50 Wash, 1 ch. wide, course N.
- 40.02 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  $\frac{1}{4}$  S 14 in N., and S 23 in S. half; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- Pits impracticable.
- 55.00 Wash, 100 lks. wide, course NE.
- 80.04 The cor. of secs. 14, 15, 22 and 23.
- Land, heavily rolling.
- Soil, a sandy loam, mixed with gravel.

- N.0°1'W., bet. secs. 14 and 15.
- Over rolling land; descend.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked on brass cap,  $\frac{1}{4}$  S 15 in W., and S 14 in E. half; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 10, 11, 14 and 15, marked on brass cap, T 21 N R 15 W in N. half; S 10 in NW., S 11 in NE., S 14 in SE., and S 15 in SW. quadrant; dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
- Land, rolling.
- Soil, a sandy loam, mixed with gravel.

- N.89°59'E. on a random line, bet. secs. 11 and 14.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.02 Intersect N. and S. line 2 lks. N. of cor. of secs. 11, 12, 13 and 14.
- Thence I run, West, on a true line, bet. secs. 11 and 14.
- Over rolling land.
- 3.00 Gulch, course N.
- 16.00 Gulch, course N., 100 lks. wide.
- 40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  $\frac{1}{4}$  S 11 in N., and S 14 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 80.02 The cor. of secs. 10, 11, 14 and 15.
- Land, rolling.
- Soil, a sandy loam, mixed with gravel.
- At this cor. I set off 3°34' N. on the decl. arc, and at 12h.05m.p.m., 1.m.t., observe the sun on the meridian; the resulting lat. is 35°13'N.

N.0°1'W., bet. secs. 10 and 11.

Over rolling land; descend.

Chains

- 36.50 Wash, 25 lks.wide, course NE.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  $\frac{1}{4}$  S 10 in W., and S 11 in E.half; dig pits 18x18x12 ins. N. and S.of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,W.of cor.  
 50.00 Wash,40 lks.wide, course NW.  
 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 10, marked on brass cap,  
 T 21 N R 15 W in N.half;  
 S 3 in NW.,  
 S 2 in NE.,  
 S 11 in SE., and  
 S 10 in SW. quadrant; dig pits 18x18x12 ins.in each sec. $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high,W.of cor.  
 Land, rolling.  
 Soil, a sandy loam,mixed with gravel.

- 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 2 lks.N.of cor. of secs.1,2,11 and 12.  
 Thence I run,  
 N.89°59'W. on a true line, bet. secs.2 and 11.  
 14.50 Wash,100 lks.wide, course N..  
 40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  $\frac{1}{4}$  S 2 in N., and S 11 in S.half; dig pits 18x18x12 ins. E.and W.of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,N,of cor.  
 80.02 The cor.of secs.2,3,10 and 11.  
 Land, rolling.  
 Soil, a sandy loam, mixed with gravel.

- N.0°1'W. on a random line, bet. secs.2 and 3.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.00 Intersect N. bdy.of township 2 lks.W.of cor.of secs.2,3, 34 and 35.  
 Thence I run,  
 South, on a true line, bet. secs.2 and 3.  
 10.00 Ascend E. slope of low mountain range,diagonally,  
 36.00 Top of east slope, descend.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  $\frac{1}{4}$  S 3 in W., and S 2 in E.half; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high,W.of cor.  
 Pits impracticable.  
 80.00 The cor.of secs. 2,3,10 and 11.  
 Land, heavily rolling.  
 Soil, a sandy loam, mixed with gravel.

March 30, 1911.

10. Subdivision of Township 21 North, Range 15 West.

Chains.

March 31, 1911. At 8:00 a.m., l.m.t., I set off 35°10'N. on the lat.arc; 3°54' N. on the decl.arc, and determine a meridian with the solar at the standard corner of secs. 33 and 34.

Thence I run,  
 N.0°2'W., bet. secs. 33 and 34, over mountainous land, through dense cedars, scattering pinons, and oak brush. Descend from high ridge.

25.00 Gulch, 20 lks.wide, 200 ft. deep, course W.; ascend abruptly.

30.00 Top of ascent; top of hill 4 chs.W., line runs along E. slope.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 33 in W., and  
 S 34 in E.half; from which,  
 A cedar 8 ins.diam., bears S.2°45'E., 169 lks. dist., marked  $\frac{1}{4}$  S 34 B T.  
 A cedar 6 ins.diam., bears S.14°40'W., 156 lks. dist., marked  $\frac{1}{4}$  S 33 BT.

66.50 Gulch, 15 lks.wide, course NE.; ascend.

76.00 Spur in saddle, bears NE.; descend.

80.00 Set an iron post 3 ft. long, 2 ins.diam., 24 ins. in the ground for cor.of secs. 27,28,33 and 34, marked on brass cap,  
 T 21 N R 15 W in N.half;  
 S 28 in NW.,  
 S 27 in NE.,  
 S 34 in SE., and  
 S 33 in SW. quadrant, from which,  
 A pinon 5 ins.diam., bears S.44°40'E., 45 lks. dist., marked T 21 N R 15 W S 34 B T.  
 A pinon 5 ins. diam., bears N.13°E., 61 lks.dist., marked T 21 N R 15 W S 27 B T.  
 A cedar 4 ins.diam., bears N.29°20'W., 111 lks. dist., marked T 21 N R 15 W S 28 B T.  
 A cedar 6 ins.diam., bears S.79°W., 50 lks. dist., marked T 21 N R 15 W S 33 B.T.

Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, dense cedars and pinons and oak brush.

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

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

80.08 Intersect N. and S. line 2 lks.N.of cor.of secs. 26,27, 34 and35.

Thence I run,  
 N.89° 59'W. on a true line, bet. secs.27 and 34.  
 Over mountainous land, across spurs, through scattering cedars and pinon; ascend.

6.00 Spur, bears N.and S.; descend.

16.00 Gulch, 15 lks.wide, course N.15°E., ascend.

28.00 Top of high ridge, bears N.10°E. and S.10°W.

40.04 Set an iron post 3 ft. long 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 27 in N., and  
 S 34 in S.half; and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high, N.of cor.

41.00 Top of low ridge, bears N.15°W. and S.15°E.

46.00 Gulch, 10 lks.wide, course N.15°E.

56.00 Gulch, 15 lks.wide, course N.; ascend.

63.00 Top of low ridge, bears N.and S.; descend.

67.75 Wash, 15 lks.wide, course N.; ascend precipitously, angle 22°35'.

74.00 Top of ridge on high point, bears N.; descend 22°30' slope.

## Subdivision of Township 21 North, Range 15 West.

Chains.

- 80.08 The cor. of secs. 27, 28, 33 and 34.  
Land, rough and mountainous.  
Soil, rocky, 4th rate.  
Timber, dense cedars, pinons, and oak brush.  
At this cor. I set off  $3^{\circ}57\frac{1}{2}'N$ . on the decl. arc, and at  
12h.05m. p.m., l.m.t., observe the sun on the meridian;  
the resulting lat. is  $35^{\circ}10'N$ .
- 
- N.  $0^{\circ}2'W$ . bet. secs. 27 and 28.  
Over mountainous land; descend along W. slope of spur,  
through dense cedars, pinons and palo negros.
- 40.00 Wash, 20 lks. wide, course NW.; ascend: point for  $\frac{1}{4}$  cor.  
41.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for witness cor. to  $\frac{1}{4}$  sec. cor., marked on  
brass cap,  
W C  $\frac{1}{4}$  on N. half;  
S 28 in SW., and  
S 27 in SE. quadrant, and raise a mound of stone 2 ft.  
base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 46.00 Top of ridge from SE. to N.  
79.29 Kingman road, bears 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. 21, 22, 27 and 28, marked  
on brass cap,  
T 21 N R 15 W in N. half;  
S 21 in NW.,  
S 22 in NE.,  
S 27 in SE., and  
S 28 in SW. quadrant, and raise a mound of stone 2 ft.  
base,  $1\frac{1}{2}$  ft. high, W. of cor.  
Land, mountainous.  
Soil, rocky, 4th rate.  
Timber, dense cedars, pinons and palo negros.
- 
- S.  $89^{\circ}59'E$ ., on a random line, bet. secs. 22 and 27.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.06 Intersect N. and S. line at cor. of secs. 22, 23, 26 and  
27.  
Thence I run,  
N.  $89^{\circ}59'W$ ., on a true line, bet. secs. 22 and 27.  
Over heavily rolling land.
- 1.45 Wash, 25 lks. wide, course N.  $10^{\circ}W$ .  
39.03 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for W C to  $\frac{1}{4}$  sec. cor., marked on brass cap,  
W C  $\frac{1}{4}$  in E. half,  
S 22 in NW., and  
S 27 in SW. quadrant; dig pits 18x18x12 ins. E. and  
W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$   
ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 40.03 Point for  $\frac{1}{4}$  cor. falls in wash 100 lks. wide, course NE.  
72.20 Wash, 50 lks. wide, course N.  
80.06 The cor. of secs. 21, 22, 27 and 28.  
Land, heavily rolling.  
Soil, a sandy loam mixed with gravel.  
March 31, 1911.
- 
- N.  $0^{\circ}02'W$ ., bet. secs. 21 and 22.  
Over rolling land.
- 9.00 Wash, 25 lks. wide, course NE.  
20.00 Wash, 100 lks. wide, course NE., ascend.

## 12. Subdivision of Township 21 North, Range 15 West.

Chains.

- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 21 in W., and  
 S 22 in E. half; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.
- 46.00 Top of ascent, granite peak bears E. 4 chs. dist.; descend.
- 72.00 Wash, 15 lks. wide, course NW.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 15, 16, 21 and 22, marked on brass cap,  
 T 21 N R 15 W in N. half;  
 S 16 in NW.,  
 S 15 in NE.,  
 S 22 in SE., and  
 S 21 in SW. quadrant; dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
 Land, heavily rolling.  
 Soil, a heavy granite sand and gravel.

- S.  $89^{\circ}59'$  E. on a random line, bet. secs. 15 and 22.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.04 Intersect N. and S. line at cor. of secs. 14, 15, 22 and 23; thence I run,  
 N.  $89^{\circ}59'$  W., on a true line, bet. secs. 15 and 22.  
 Over heavily rolling land.
- 25.50 Wash, 100 lks. wide, course N.
- 40.02 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 15 in N. and  
 S 22 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 80.04 The cor. of secs. 15, 16, 21 and 22.  
 Land, heavily rolling.  
 Soil, a sandy loam, mixed with gravel.

- N.  $0^{\circ}02'$  W., bet. secs. 15 and 16.  
 Over rolling land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 16 in W., and  
 S 15 in E. half; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 9, 10, 15 and 16, marked on brass cap,  
 T 21 N, R 15 W in N. half;  
 S 9 in NW.,  
 S 10 in NE.,  
 S 15 in SE., and  
 S 16 in SW. quadrant; and 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, rolling.  
 Soil, a sandy loam, mixed with gravel.

April 1, 1911: At this cor. I set off  $4^{\circ}21'$  N. on the decl. arc, and at 12h.04m.p.m., l.m.t., observe the sun on

Chains.

the meridian; the resulting lat. is 35°13'N. At 2h.0m. p.m., l.m.t., I set off 35°13'N. on the lat. arc; 4°23' N. on the decl. arc, and determine a meridian with the solar.

Thence I run, S.89°59'E., on a random line, bet. secs.10 and 15.  
40.00 Set temp. 1/4 sec.cor.  
80.04 Intersect N. and S. line 7 lks.S.of cor. of secs. 10,11, 14 and 15.

Thence I run, S.89°58'W., on a true line, bet. secs.10 and 15. Over rolling land.  
40.02 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec.cor., marked on brass cap, 1/4 S 10 in N., and S 15 in S.half; dig pits 18x18x12 ins.E.and W.of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N.of cor.

55.00 Wash, 50 lks.wide, course NW.  
80.04 The cor.of secs.9,10,15 and 16.  
Land, rolling.  
Soil, sandy loam, mixed with gravel.

N.0°2'W., bet. secs.9 and 10.  
Over rolling land; descend.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec.cor., marked on brass cap, 1/4 S 9 in W., and S 10 in E.half; dig pits 18x18x12 ins. N.and S.of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high,W.of cor.

54.00 Wash, 150 lks.wide, course N.15°W.  
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, marked on brass cap,  
T 21 N R 15 W in N.,  
S 4 in NW.,  
S 3 in NE.,  
S 10 in SE., and  
S 9 in SW. quadrant; 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, rolling.  
Soil, a sandy loam mixed with gravel.

N.89°58'E. on a random line, bet. secs.3 and 10.

40.00 Set temp. 1/4 sec.cor.  
80.02 Intersect N.and S. line 5 lks.N.of cor. of secs. 2,3,10 and 11; thence I run, West, on a true line, bet. secs.3 and 10.  
Over rolling land.

20.00 Wash, 2 chs.wide, course N.30°W.  
40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec.cor., marked on brass cap, 1/4 S 3 in N., and S 10 in S.half; dig pits 18x18x12 ins.E.and W.of of post 3 ft. dist., and raise a mound of earth 3 1/2 ft base, 1 1/2 ft. high,N.of cor.  
80.02 The cor.of secs.3,4,9 and 10.  
Land, rolling.  
Soil, sandy loam, mixed with gravel.

## 14. Subdivision of Township 21 North, Range 15 West.

Chains.

- N.0°2'W. on a random line, bet. secs.3 and 4.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 79.98 Intersect the N.bdy. of township at the corner of secs.  
 3,4,33 and 34.  
 Thence I run,  
 S.0°2'E., on a true line, bet. secs.3 and 4.  
 24.00 Wash,40 lks.wide, course NW.; at 6 chs. turn north.  
 39.98 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 4 in W., and 3  
 S 3 in E.half; dig pits 18x18x12 ins.N.and S.of  
 post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base,  $1\frac{1}{2}$  ft. high,W.of cor.  
 79.98 The cor.of secs.3,4,9 and 10.  
 Land, rolling.  
 Soil, a sandy loam, mixed with gravel.

April 1,1911.

- April 5, 1911: At 8:00 a.m.,l.m.t., I set off 35°10'N.  
 on the lat.arc; 5°50'N. on the decl.arc, and determine  
 a meridian with the solar at the standard corner of  
 secs. 32 and 33.  
 Thence I run,  
 N.0°3'W., bet. secs. 32 and 33.  
 Over heavily rolling land, through thick oak brush and  
 scattering palo negro; descend.  
 35.00 Foot of spur to NW.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 32 inW., and  
 S 33 in E.half; and raise a mound of stone 2 ft.  
 base,  $1\frac{1}{2}$  ft. high,W.of cor.  
 46.00 Wash,100 lks.wide, course SE. to N.,10° W.  
 77.45 Dim road, brs. NW.and SE.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in  
 the ground for cor.of secs. 28,29, 32 and 33, marked  
 on brass cap,  
 T 21 N R 15 W in N.half;  
 S 29 in NW.,  
 S 28 in NE.,  
 S 33 in SE., and  
 S 32 in SW. quadrant, and raise a mound of  
 stone 2 ft. base,  $1\frac{1}{2}$  ft. high,W.of cor.  
 Land, heavily rolling.  
 Soil, rocky, 4th rate; timber, scattering palo negro  
 with dense oak brush.

- East on a random line bet. secs.28 and 33.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.00 Intersect N.and S. line at the cor.of secs. 27,32,33 and  
 34.  
 Thence I run,  
 West, on a true line, bet. secs.28 and 33.  
 Over mountainous land, through scattering cedars and oak  
 brush.  
 1.30 Gulch,50 lks.wide, from SW. to N.,10°E.; ascend.  
 7.00 Top of spur, brs. N. and SW.  
 18.00 Gulch, course N.; ascend.  
 25.00 Top of long spur, bears N.and S.; descend.  
 36.00 Wash,50 lks.wide, course N.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,



Chains

- $\frac{1}{4}$  S 28 in N., and  
 S 33 in S.half; and raise a mound of stone 2 ft.  
 base,  $1\frac{1}{2}$  ft. high, N.of cor.  
 Proceed over heavily rolling land.
- 44.00 Low ridge, ends 15 chs. N.; descend.  
 46.00 Wash, 20 lks.wide, course N.  
 50.00 A round hill, brs. S. 2 chs.  
 53.15 Wash, 15 lks.wide, course N.15°E.; ascend.  
 54.00 Top of flat ridge, bears N.15°E. and SE.  
 60.00 Leave flat ridge; descend.  
 66.00 Wash, 15 lks.wide, course from SE. to N.; ascend.  
 74.00 Top of ridge, brs. NW.and SE.  
 77.00 Wash, 25 lks.wide, course NW.  
 80.00 The cor.of secs.28,29,32 and 33.  
 Land,mountainous east 40 chs. and heavily rolling west  
 40 chs.  
 Timber, scattering cedars, with dense oak brush.  
 April 5, 1911: At this cor. I set off 5°53' N.on the  
 decl.arc; at 12h.4m.p.m., 1.m.t., observe the sun on  
 the meridian; the resulting lat.is 35° 10'N.
- 
- N.0°3'W., bet.secs.28 and 29.  
 Over heavily rolling land; descend.
- 7.00 Wash,30 lks.wide, course NW,  
 24.58 Road bears NE.and SW.  
 36.00 Wash,70 lks.wide, course S.20°W. to N.70°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., marked on brass cap,  
 $\frac{1}{4}$  S 29 in W., and  
 S 28 in E.half; and raise a mound of stone 2 ft.  
 base,  $1\frac{1}{2}$  ft. high,W.of cor.  
 House of George W.Davis, bears east 8 chs. dist.
- 49.55 Road, brs. NW.and SE.  
 66.65 Wash,100 lks.wide, course NW.  
 80.00 Set an iron post 3 ft. long, 2 ins.diam., 24 ins. in the  
 ground for cor.of secs. 20,21,28 and 29, marked on  
 brass cap,  
 T 21 N, R 15 W in N.,  
 S 20 in NW.,  
 S 21 in NE.,  
 S 28 in SE., and  
 S 29 in SW. quadrant; dig pits 18x18x12 ins.in each  
 sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft.  
 base, 2 ft. high,W.of cor.  
 Land, heavily rolling.  
 Soil, heavy granite sand, mixed with gravel.
- 
- East, on a random line, bet. secs.21 and 28.
- 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 79.98 Intersect N.and S. line at the cor.of secs. 21,22,27 and  
 28.  
 Thence I run,  
 West, on a true line, bet. secs.21 and 28.  
 Over heavily rolling land.
- 5.00 Wash,30 lks.wide, course NE.  
 16.25 Wash,100 lks.wide, course NE.  
 20.50 Kingman road brs.S.75°E. and N.75°W.  
 35.50 Wash,15 lks.wide, course NE.  
 39.99 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 21 in N., and  
 S 28 in S.half; and raise a mound of stone 2 ft.  
 base,  $1\frac{1}{2}$  ft. high,N.of cor.

16. Subdivision of Township 21 North, Range 15 West.

Chains.

40.65 Road, bears NE. and SW.  
79.98 The cor. of secs. 20, 21, 28 and 29.  
Land, heavily rolling.  
Soil, sandy loam, mixed with gravel.

N.0°3'W., bet. secs. 20 and 21.  
Over rolling ground, descend.  
18.30 Kingman road, bears 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., marked on brass cap,  
 $\frac{1}{4}$  S 20 in W., and  
S 21 in E. half; dig pits 18x18x12 ins. N. and S. of  
post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
base,  $1\frac{1}{2}$  ft. high, W. of cor.  
80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in  
the ground for cor. of secs. 16, 17, 20 and 21, marked on  
brass cap,  
T 21 N R 15 W in N. half;  
S 17 in NW.,  
S 16 in NE.,  
S 21 in SE., and  
S 20 in SW. quadrant; dig pits 18x18x12 ins. in  
each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4  
ft. base, 2 ft. high, W. of cor.  
Land, rolling.  
Soil, a sandy loam, mixed with gravel.

April 5, 1911.

40.00 East on a random line bet. secs. 16 and 21.  
Set temp.  $\frac{1}{4}$  sec. cor.  
79.98 Intersect N. and S. line at cor. of secs. 15, 16, 21 and 22.  
Thence I run,  
West, on a true line, bet. secs. 16 and 21.  
Over rolling ground.  
7.00 Wash 1 ch. wide, course N.15°W.; ascend.  
15.00 Top of point of slope of ridge, bears S.25°E., descend.  
20.00 Wash, 25 lks. wide, course N.  
39.99 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 16 in N., and  
S 21 in S. half; and raise a mound of stone 2 ft.  
base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
79.98 The corner of secs. 16, 17, 20 and 21.  
Land, rolling.  
Soil, sandy loam, mixed with gravel.

April 6, 1911: At 8h.a.m., l.m.t., I set off 35°12'N.  
on the lat. arc; 6°12'N. on the decl. arc; and determine  
a meridian with the solar.  
Thence I run,  
N.0°03'W., bet. secs. 16 and 17.  
Over rolling land; descend.  
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 17 in W. half, and  
S 16 in E. half; dig pits 18x18x12 ins. N. and S.  
of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
base,  $1\frac{1}{2}$  ft. high, W. of cor.  
49.00 Wash, 100 lks. wide, course from S.10°E. to N.30°W.

## Subdivision of Township 21 North, Range 15 West.

17.

Chains.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 8, 9, 16 and 17, marked on brass cap,  
 T 21 N, R 15 W in N. half  
 S 8 in NW.,  
 S 9 in NE., S. 16 in SE., and  
 S 17 in SW. quadrant; dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
 Land, rolling.  
 Soil, a sandy loam, mixed with gravel.

40.00 East, on a random line, bet. secs. 9 and 16.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.96 Intersect N. and S. line 2 lks. S. of cor. of secs. 9, 10, 15 and 16; thence I run,  
 S.  $89^{\circ}59'W.$ , on a true line, bet. secs. 9 and 16.  
 Over rolling land.  
 37.00 Wash, 2 chs. wide, course NW.  
 39.98 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 9 in N., and  
 S 16 in S. half, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 79.96 The cor. of secs. 8, 9, 16 and 17.  
 Land, rolling.  
 Soil, a sandy loam, mixed with gravel.

N.  $0^{\circ}03' W.$ , bet. secs. 8 and 9.  
 Over rolling land; descend.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 8 in W., and  
 S 9 in E. half; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 45.25 Ravine, 150 lks. wide, course N.  $10^{\circ}W.$   
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 4, 5, 8 and 9, marked on brass cap,  
 T 21 N R 15 W in N.;  
 S 5 in NW.,  
 S 4 in NE.,  
 S 9 in SE., and  
 S 8 in SW. quadrant; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 Land, rolling.  
 Soil, a sandy loam, mixed with gravel.

April 6, 1911. At the cor. of secs. 4, 5, 8 and 9, I set off  $6^{\circ}16'N.$  on the decl. arc; and at 12h. 03m. p.m., l.m.t., observe the sun on the meridian; the resulting lat. is  $35^{\circ}13'N.$   
 Thence I run,  
 N.  $89^{\circ}59' E.$  on a random line, bet. secs. 4 and 9.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.98 Intersect N. and S. line 2 lks. S. of cor. of secs. 3, 4, 9 and 10.  
 Thence I run,  
 S.  $89^{\circ}58'W.$ , on a true line, bet. secs. 4 and 9.  
 Over rolling land.

## 18. Subdivision of Township 21 North, Range 15 West.

Chains.

- 10.00 Wash, 150 lks. wide, course N.  
 21.00 Wash, 50 lks. wide, course N.  
 39.99 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  $\frac{1}{4}$  S 4 in N., and S 9 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 46.00 Wash, 50 lks. wide, course NW.  
 79.00 Wash, 25 lks. wide, course NW.  
 79.98 The cor. of secs. 4, 5, 8 and 9.  
 Land, rolling.  
 Soil, a sandy loam.

- N.  $0^{\circ}03'$  W. on a random line, bet. secs. 4 and 5.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.02 Intersect N. bdy. Tp. 7 lks. W. of cor. of secs. 4, 5, 32 and 33.  
 Thence I run,  
 South, on a true line, bet. secs. 4 and 5.  
 Over rolling land; ascend.  
 40.02 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  $\frac{1}{4}$  S 5 in W., and S 4 in E. half; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 47.00 Center of wash 200 lks. wide, course N.  $40^{\circ}$  W.  
 78.70 Wash, 40 lks. wide, course N.  $30^{\circ}$  W.  
 80.02 The cor. of secs. 4, 5, 8 and 9.  
 Land, rolling.  
 Soil, a sandy loam.

April 6, 1911.

April 7, 1911: At 8:00 a.m., l.m.t., I set off  $35^{\circ}10'$  N. on the lat. arc;  $6^{\circ}35'$  N. on the decl. arc, and determine a meridian with the solar, at the standard cor. of secs. 31 and 32.

- Thence I run,  
 N.  $0^{\circ}03'$  W., bet. secs. 31 and 32,  
 Over mountainous land; ascend through scattering cedars, pinons and dense oak brush.  
 1.00 Dim road, bears NE. and SW.  
 16.00 Gulch, 40 lks. wide, course NE.; ascend.  
 25.00 Top of high ridge, bears NE. and SW.; descend.  
 32.00 Fries' wash, 200 lks. wide, course NE.; ascend.  
 38.00 Top ridge, brs. NE. and SW.; descend.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  $\frac{1}{4}$  S 31 in W., and S 32 in E. half; and raise a mound of stone  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 45.00 Wash, 50 lks. wide, course NE.  
 65.50 Wash, 10 lks. wide, course NE.  
 70.00 Wash, 10 lks. wide, course NE.  
 78.00 Wash, 10 lks. wide, course NE.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 29, 30, 31 and 32, marked on brass cap,  
 T 21 N R 15 W in N. half,  
 S 30 in NW.;  
 S 29 in NE.,

Chains.

S 32 in SE., and  
S 31 in SW. quadrant, and raise a mound of stone  
2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impractica-  
ble.

Land, mountainous.

Soil, rocky, 3rd rate; timber, cedar, pinon, and dense  
oak brush.

- 
- East, on a random line, bet. secs. 29 and 32.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.00 Intersect N. and S. line at cor. of secs. 28, 29, 32 and 33.  
Thence I run,  
West, on a true line, bet. secs. 29 and 32.  
Over heavily rolling, broken land; ascend foot-hills of  
mountains, through scattering cedars, pinons and  
dense oak brush.  
1.00 Dim road, bears NW. and SE.  
5.00 Branch of Fries' Wash, 300 lks. wide, course N.; ascend.  
20.00 Top of ridge, brs. N. and S.; descend.  
28.00 Wash, 20 lks. wide, course N.  
39.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for witness cor. of  $\frac{1}{4}$  sec. cor., marked on  
brass cap,  
W C  $\frac{1}{4}$  in E. half,  
S 29 in NW., and  
S 32 in SW. quadrant; and raise a mound of stone 2  
ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
40.00 Wash, 70 lks. wide, course N.  $20^{\circ}$  E.; road bears N.  $30^{\circ}$  E.  
and S.  $30^{\circ}$  W., point for  $\frac{1}{4}$  sec. cor.  
47.00 Wash, 30 lks. wide, course NE.; ascend.  
62.00 Top of hill, bears NE. and SW., about 8 chs. each way;  
descend.  
74.00 Wash, 50 lks. wide, course N.; at 5 chs. turns NE.  
80.00 The cor. of secs. 29, 30, 31 and 32.  
Land, mountainous.  
Soil, rocky, 4th rate; timber, scattering cedars and pinon,  
with dense oak brush.
- 
- West, on a random line. bet. secs. 30 and 31.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.92 Intersect W. bdy. of township 2 lks. N. of cor. of secs.  
25, 30, 31 and 36.  
Thence I run,  
N.  $89^{\circ}59'$  E. on a true line, bet. secs. 30 and 31.  
Over mountainous land, along east slope of mountains,  
through scattering cedars, pinons and oak brush; ascend.  
19.50 Top of low spur, descend.  
39.92 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 30 in N., and  
S 31 in S. half, and raise a mound of stone 2 ft.  
base,  $1\frac{1}{2}$  ft. high, N. of cor.  
At this cor. I set off  $6^{\circ}38'$  N. on the decl. arc, and at  
12h. 02m. p.m., l.m.t., observe the sun on the meridian;  
the resulting lat. is  $35^{\circ}10'$  N.  
47.70 Descend precipitous east slope of mountains.  
79.92 The corner of secs. 29, 30, 31 and 32.  
Land, mountainous.  
Soil, rocky, 4th rate.  
Timber, scattering cedars, pinons and dense oak brush.
-

## 20. Subdivision of Township 21 North, Range 15 West.

Chains.

- N.  $0^{\circ} 3' W.$ , bet. secs. 29 and 30:  
 Over mountainous land; ascend along east slope of mountain, through scattering cedars, pinons and oak brush.
- 20.00 Top of spur.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 30 in W., and  
 S 29 in E.half; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W.of cor.
- 43.51 Top of mountain, bears east 4 chs.; descend.  
 51.50 Gulch, course NE.; ascend.  
 59.50 Top of spur, ends NE.; descend.  
 75.00 Foot of descent.  
 79.00 Wash, 10 lks.wide, course NE.  
 80.00 Set an iron post 3 ft. long, 2 ins.diam., 24 ins. in the ground for cor.of secs.19,20, 29 and 30, marked on brass cap,  
 T 21 N R 15 W in N.half;  
 S 19 in NW.,  
 S 20 in NE.,  
 S 29 in SE.; and  
 S 30 in SW. quadrant, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W.of cor. Pits impracticable:  
 Land, mountainous.  
 Soil, rocky; timber, scattering cedars and pinons, with dense oak brush.

- East, on a random line, bet. secs. 20 and 29.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.02 Intersect N.and S. line at cor.of secs. 20,21, 28 and 29, Thence I run,  
 West, on a true line, bet. secs.20 and 29.  
 Over rough foot-hills of mountains.
- 7.50 Wash, 40 lks.wide, course N.; ascend.  
 21.50 Ranch road, brs. NW.and SE.; descend.  
 34.75 Fries' Wash, 2 chs.wide, course N. $20^{\circ}W.$   
 40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 20 in N., and  
 S 29 in S.half; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N.of cor.
- 41.00 Gulch, course NW.; land becomes rough and mountainous; ascend.  
 46.00 Ridge bears N.  $15^{\circ}W.$  and S. $15^{\circ}E.$ ; descend.  
 52.50 Gulch, course NE.; ascend.  
 60.00 Ridge, brs, N.and S.  
 69.00 Descend.  
 75.00 Gulch, course N.; ascend precipitously.  
 80.02 Cor. of secs.19,20,29 and 30.  
 Land, mountainous.  
 Soil, rocky, 4th rate; timber, none.

- S. $89^{\circ}59'W.$  on a random line, bet. secs.19 and 30.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 79.84 Intersect west bdy.of township at cor.of secs. 19,24, 25 and 30.  
 Thence I run,  
 N. $89^{\circ}59'E.$ , on a true line, bet. secs.19 and 30.  
 Over mountainous land; descend precipitously.
- 21.00 Gulch, course N.; ascend steep slope.  
 25.50 Top of ridge, bears N.and S.; descend.

## Subdivision of Township 21 North, Range 15 West.

21.

Chains

- 37.50 Gulch, course NE.; ascend.  
 39.84 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  $\frac{1}{4}$  S 19 in N., and S 30 in S. half, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 41.70 Ridge, brs. N. and S.; descend.  
 47.00 Gulch, course N.; ascend.  
 54.50 Top of spur, brs. N. and S.; descend.  
 60.00 Gulch, course N.; ascend.  
 62.40 Top of saddle, descend.  
 79.84 The cor. of secs. 19, 20, 29 and 30. Land, mountainous. Soil, thin and rocky, 4th rate.

April 7, 1911.

April 8: At 8:00 a.m., l.m.t., I set off  $35^{\circ} 11' N.$  on the lat. arc;  $6^{\circ} 58' N.$  on the decl. arc, and determine a meridian with the solar at the corner of secs. 19, 20, 29 and 30.

Thence I run,

N.  $0^{\circ} 3' W.$ , bet. secs. 19 and 20.

Over heavily rolling land; ascend.

- 9.00 Top, of high E. slope of spur, descend abruptly.

- 38.00 Wash, 100 lks. wide, course NW.

- 40.00 Set an iron post, 3 ft. long 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  $\frac{1}{4}$  S 19 in W., and S 20 in E. half, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

- 50.50 Wash, 15 lks. wide, course NW.

- 54.90 Ranch road, bears NW. and SE.

- 59.00 Wash, 25 lks. wide, course W.

- 69.68 Kingman 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. 17, 18, 19 and 20, marked on brass cap,

T 21 N R 15 W in N. half;

S 18 in NW.,

S 17 in NE.,

S 20 in SE., and

S 19 in SW. quadrant; dig pits  $18 \times 18 \times 12$  ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, heavily rolling.

Soil, heavy granite sand and gravel.

East, on a random line, bet. secs. 17 and 20.

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

- 80.04 Intersect N. and S. line, 7 lks. S. of cor. of secs. 16, 17, 20 and 21.

Thence I run,

S.  $89^{\circ} 57' W.$ , on a true line, bet. secs. 17 and 20.

Over rolling land.

- 40.02 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  $\frac{1}{4}$  S 17 in N., and S 20 in S. half; dig pits  $18 \times 18 \times 12$  ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

- 45.50 Enter Fries' Wash, course N.

- 57.50 Leave wash; ascend bank 10 ft. high.

## 22. Subdivision of Township 21 North, Range 15 West.

## Chains.

- 78.00 Wash, 20 lks. wide, course NW.  
 80.04 Cor. of secs. 17, 18, 19 and 20.  
 Land, heavily rolling.  
 Soil, a sandy loam, mixed with gravel.  
 No timber.
- 
- S. 89°59'W. on a random line, bet. secs. 18 and 19.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.70 Intersect west bdy. of township 2 lks. north of cor. of secs.  
 13, 18, 19 and 24.  
 Thence I run,  
 N. 89°58'E. on a true line, bet. secs. 18 and 19.  
 Descend over heavily rolling land.  
 19.00 Wash, 100 lks. wide, course N. 10°W.; at 6 chs. turns west.  
 39.70 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 18 in N., and  
 $\frac{1}{4}$  S 19 in S. half, and raise a mound of stone 2 ft.  
 base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 Ascend.  
 42.00 Top of point of low ridge, bears S.; descend.  
 64.65 Wash, 50 lks. wide, course N. 10°W.  
 66.25 Kingman road, bears N. 30°W. and S. 30°E.  
 78.50 Wash, 10 lks. wide, course N. 10°W.  
 79.70 The cor. of secs. 17, 18, 19 and 20.  
 Land, heavily rolling.  
 Soil, a sandy loam, mixed with gravel.
- 

- N. 0°3'W, bet. secs. 17 and 18.  
 Over rolling land; descend.  
 5.75 Wash, 15 lks. wide, course NW.  
 16.00 Ascend.  
 26.00 Top of ascent; ridge between 2 hills; descend.  
 36.00 Foot of descent.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 18 in W., and  
 $\frac{1}{4}$  S 17 in E. half; dig pits 18x18x12 ins. N. and S. of  
 post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 61.50 Wash, 15 lks. wide, course NW.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in  
 the ground for cor. of secs. 7, 8, 17 and 18, marked on  
 brass cap,  
 T 21 N R 15 W in N. half;  
 S 7 in NW.,  
 S 8 in NE.,  
 S 17 in SE., and  
 S 18 in SW. quadrant; dig pits 18x18x12 ins. in  
 each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth  
 4 ft base, 2 ft. high, W. of cor.  
 Land, rolling.  
 Soil, a sandy loam, mixed with gravel.
- 

- N. 89°57'E., on a random line, bet. secs. 8 and 17.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.02 Intersect N. and S. line 12 lks. N. of cor. of secs. 8, 9,  
 16 and 17.  
 Thence I run,



Subdivision of Township 21 North, Range 15 West.

Chains.

N.89°58'W., on a true line, bet. secs.8. and 17.  
 Over rolling land.  
 19.75 Fries' Wash 25 lks.wide, course N.  
 40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 8 in N., and  
 S 17 in S.half, and raise a mound of stone 2 ft.  
 base,  $1\frac{1}{2}$  ft. high,N.of cor. Pits impracticable.  
 80.02 The cor.of secs.7,8,17 and 18.  
 April,8,1911: At this cor. I set off 7° 01'N. on the  
 decl.arc; and at 12h.02m.p.m.,l.m.t., observe the  
 sun on the meridian; the resulting lat.is 35°13'N.  
 Land, rolling.  
 Soil, sandy loam, mixed with gravel.

S.89°58'W. on a random line, bet. secs.7 and 18.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 79.60 Intersect W. bdy.of township at corner of secs. 7,12,13  
 and 18.  
 Thence I run,  
 N.89°58'E. on a true line, bet. secs.7 and 18.  
 Over rolling land.  
 38.50 Wash,15 lks.wide, course N.35°W.  
 39.60 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 7 in N., and  
 S 18 in S.half; dig pits 18x18x12 ins.E.and W.of  
 post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base,  $1\frac{1}{2}$  ft. high,N.of cor.  
 64.25 Wash,25 lks.wide, course N.  
 75.00 Wash,30 lks.wide, course N.  
 79.60 The cor.of secs.7,8,17 and 18.  
 Land, rolling.  
 Soil, a sandy loam, mixed with gravel.

N.0°3'W., bet. secs.7 and 8.  
 Over rolling land; descend.  
 21.00 Wash,30 lks.wide, course N.20°W.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.in  
 ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 7 in W., and  
 S 8 in E.half; dig pits 18x18x12 ins.N.and S.of  
 post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base,  $1\frac{1}{2}$  ft. high,W.of cor.  
 75.75 Wash,25 lks.wide, course NW.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground for cor.of secs.5,6,7 and 8, marked on brass  
 cap,  
 T 21 N R 15 W in N.half;  
 S 6 in NW.,  
 S 5 in NE.,  
 S 8 in SE., and  
 S 7 in SW. quadrant; dig pits 18x18x12 ins. in  
 each sec. $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4  
 ft.base, 2 ft. high,W.of cor.  
 Land, rolling.  
 Soil, a sandy loam mixed with gravel.  
 Fair grazing.

## 24. Subdivision of Township 21 North, Range 15 West.

## Chains.

- S.89°58'E., on a random line, bet. secs.5 and 8.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.00 Intersect N.and S.line at cor.of secs .4,5,8 and 9.  
 Thence I run,  
 N.89°58'W. on a true line, bet. secs.5 and 8.  
 Over rolling land.  
 15.00 Wash, 15 lks.wide, course N.30°W.  
 31.75 Fries' Wash,100 lks.wide, course N.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 5 in N., and  
 $\frac{1}{4}$  S 8 in S.half; dig pits 18x18x12 ins. E.and W.of  
 post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base,  $1\frac{1}{2}$  ft. high, N.of cor.  
 69.50 Wash, 25 lks.wide, course NW.  
 80.00 The cor.of secs.5,6,7 and 8.  
 Land, rolling.  
 Soil, a sandy loam, mixed with gravel; fair grazing.
- 
- S.89°58'W. on a random line, bet. secs.6 and 7.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 79.48 Intersect W.bdy.of township 2 lks. south of cor. of secs.  
 1,6,7 and 12.  
 Thence I run,  
 N.89°59'E. on a true line, bet. secs.6 and 7.  
 Over rolling land.  
 39.48 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 6 in N., and  
 $\frac{1}{4}$  S 7 in S.half; dig pits 18x18x12 ins. E.and W.of  
 post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base,  $1\frac{1}{2}$  ft. high, N.of cor.  
 74.00 Wash,50 lks.wide, course NW.  
 79.48 The cor.of secs.5,6,7 and 8.  
 Land, rolling.  
 Soil, a sandy loam, mixed with gravel; fair grazing.
- 
- N.0°3'W., on a random line, bet. secs.5 and 6.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 79.98 Intersect N.bdy.of township 2 lks.west of cor. of secs.  
 5,6,31 and 32.  
 Thence I run,  
 S.0°2'E., on a true line, bet. secs.5 and 6.  
 39.98 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
 ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  S 6 in W., and  
 $\frac{1}{4}$  S 5 in E.half; dig pits 18x18x12 ins. N.and S.of  
 post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base,  $1\frac{1}{2}$  ft. high, W.of cor.  
 62.00 Wash,250 lks.wide, course NW.  
 79.98 The cor.of secs. 5,6,7 and 8.  
 Land, rolling.  
 Soil, a sandy loam, mixed with gravel.  
 Fair grazing.

April 8, 1911.

Chains.

GENERAL DESCRIPTION.

This township contains land that is both extremely mountainous and gently rolling. The southern tier of sections lies on the north slope of the Hualpai Mountains, which are very difficult of access, and are of little value except for the mineral contained therein, there being numerous mining claims which are at present being developed, and show considerable value in gold, silver and lead. On the SW. 1/4 of sec.26 is the ranch house of W.E.Frost. On this section are located several small springs of pure water.

The gulch in the SW. 1/4 of sec.36 contains a small running stream of pure water, which sinks before it leaves the section.

On the NW. 1/4 of sec.28 is the ranch house of George W. Davis, near which is a spring of clear, pure water.

The north half of the township is a rolling prairie, sloping to the north, and contains no water. The soil is a sandy loam mixed with gravel, with a hard clay sub-soil; this land produces an excellent growth of bunch grass, the few cattle were seen grazing on the township.

*W. J. Frost*  
U. S. Transitman.



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APPROVAL.

BOOK 2300

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

*Phoenix Ariz. March 25, 1917*

The foregoing field notes of the survey of

*the subdivisions of T 21 N. R 15 W.*

*G. S. R. McEidean, Arizona,*

executed by

*W. O. Dean U. S. Transitman*

under his special instructions dated

*Sept. 16*

, 1910, having been

critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Frank A. Ingalls*

U. S. Surveyor General.