

Book R  
2310

FEB 12 1912

BOOK 2310

# FIELD NOTES

OF THE SURVEY OF THE

2310

Subdivision Lines of J. V. K. R. 15 W.

2310

Of the G. S. A. Meridian,

In the State of Territory of Arizona

EXECUTED BY

W. O. DeCar

In the capacity of U. S. <sup>Assistant</sup> 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.

2310

Survey commenced April 9, 1911.

Survey completed April 18, 1911.

2310

2310

*See Atlas, see Book J*

BOOK 2310

INDEX DIAGRAM.

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Note: For E. Bdy. see Book A, Group 10<sup>6-151</sup>  
 " N.P. Mid W. Bdy. see Book W. Group 10.

Chains.

Survey commenced April 9, 1911, and executed with a Buff & Berger 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 corner of secs. 35 and 36 on South boundary at 6h. 15m.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. North of my station.

April 9, 1911.

April 11: At 7:30 a.m., l.m.t., I lay off the azimuth of Polaris  $1^{\circ}26'$  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  $35^{\circ}15'$  N. on the lat. arc,  $8^{\circ}05'$  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. 01m.p.m., l.m.t., I observe the sun on the meridian; the resulting lat. is  $35^{\circ}15'$  N.

At 3h. 0m.p.m., l.m.t., I set off  $35^{\circ}15'$  N. on the lat. arc;  $8^{\circ}11'$  N. on the decl. arc, and determine a meridian with the solar; this point falls 0.1 ins. east of the point established by the Polaris observation; I therefore conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian is  $14^{\circ}50'$  W.; the angle thus determined gives the magnetic decl.  $14^{\circ}50'$  E.; thence I run,

N.  $0^{\circ}1'$  W., bet. secs. 35 and 36.

Over rolling land.

35.16 Wash, 30 lks. wide, course W.

37.45 Wash, 25 lks. wide, course W,

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  $\frac{1}{4}$  S 35 in W., and

S 36 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.

65.00 Two small hills, each about 15 chs. dist. E. and W. of line.

80.00 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 22 N R 15 W. in N. half;

S 26 in NW.,

S 25 in NE.,

S 36 in SE., and

S 35 in SW. quadrant; 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.

No timber.

Fair grazing.

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

Chains.	
	East, on a random line, bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect E. boundary of township 14 lks. N. of cor. of secs. 25, 30, 31 and 36.
	Thence I run,
	N. $89^{\circ}54'W.$ , on a true line, bet. secs. 25 and 36.
	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 25 in N., and $\frac{1}{4}$ S 36 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.
80.00	The cor. of secs. 25, 26, 35 and 36. Land, rolling. Soil, a sandy loam, mixed with gravel; fair grazing.
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	N. $0^{\circ}1'W.$ , bet. secs. 25 and 26.
	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 26 in W., and $\frac{1}{4}$ 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.
72.00	Wash, 100 lks. wide, course SW.
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, marked on brass cap, T 22 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, a sandy loam, mixed with gravel; fair grazing.
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	S. $89^{\circ}54'E.$ , on a random line, bet. secs. 24 and 25.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect E. bdy. of township 2 lks. south of cor. of secs. 19, 24, 25 and 30.
	Thence I run,
	N. $89^{\circ}55'W.$ , on a true line, bet. secs. 24 and 25.
	Over rolling land; descend.
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 24 in N., and $\frac{1}{4}$ S 25 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.
53.00	Wash, 10 lks. wide, course SW.
80.02	The cor. to secs. 23, 24, 25 and 26. Land, rolling. Soil, a sandy loam mixed with gravel; fair grazing.
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	N. $0^{\circ}1'W.$ , bet. secs. 23 and 24.
	Over rolling land.
16.00	Wash, 30 lks. wide, course W.
23.00	Wash, 20 lks. wide, course W.

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

3.

Chains.	
27.30	Wash, 10 lks. wide, course W.
39.00	Wash, 10 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 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.
48.00	Leave valley; ascend S. slope of spur.
60.00	Top of spur, brs. N. 25° E.; descend.
73.00	Foot of descent; ascend gentle slope.
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 22 N, R: 15 W in N. half; S 14 in NW., S 13 in NE., S 24 in SE., and S 23 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 S. 40 chs., land hilly; soil, rocky, 4th rate N. 40 chs.; fair grazing.
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	S. 89° 55' E. on a random line, bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect E. bdy. of township 2 lks. S. of corner of secs. 13, 18, 19 and 24. Thence I run, N. 89° 56' W., on a true line, bet. secs. 13 and 24. Over rough, broken land; ascend.
6.00	Top of hill; descend.
35.00	Wash, 20 lks. wide, course NE.; ascend SE. slope of rocky hill.
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 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.
61.00	Top of spur, bears N. and S., 15° W.; descend precipitously.
64.00	Gulch, 40 lks. wide, course S.; ascend abruptly.
67.65	Top of high ridge, bears N. and S.; descend abruptly.
80.04	The cor. of secs. 13, 14, 23 and 24. Land, mountainous. Soil, rocky, 4th rate; fair grazing. April 11, 1911.
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	April 12, 1911: At 8:00 a.m., l.m.t., I set off 8° 27' N. on the decl. arc; 35° 18' N. on the lat. arc, and determine a meridian with the solar at the corner of secs. 13, 14, 23 and 24. Thence I run, N. 0° 1' W., bet. secs. 13 and 14. Over mountainous land; ascend.
18.00	Top of spur, bears NE. and SW.; descend. Top of main hill 20 chs. E.
32.00	Wash, 20 lks. wide, course NW. Thence proceed over valley 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; 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.

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

Chains.	
56.00	Wash, 50 lks.wide, course N.70°W.
67.00	Wash, 20 lks.wide, course N.60°W.
70.60	Wash, 20 lks.wide, course W.
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 22 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.5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high,W.of cor. Land, mountainous, S.32 chs.; land rolling N.48 chs.;soil a sandy loam, mixed with gravel; fair grazing.
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	S.89°56'E. on a random line, bet. secs.12 and 13.
40.00	Set temp. ¼ sec,cor.
80.04	Intersect E. bdy. of township 2 lks.N.of cor. of secs. 7,12, 13 and 18. Thence I run, N.89°55'W., on a true line, bet. secs. 12 and 13. Over mountainous land; descend.
25.00	Foot of descent; ascend steep slope.
35.00	Top of spur, bears S.
40.02	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 12 in N., and S 13 in S,half; and raise a mound of stone 2 ft. base, 1½ ft. high,N.of cor. Pits impracticable.
48.00	Wash,80 lks.wide, course NE.; proceed over rolling land.
80.04	The cor.of secs.11,12,13 and 14. Land, mountainous. Soil, rocky, 4th rate the E.48 chs. Land rolling; soil, a sandy loam, mixed with gravel W. 32 chs.
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	N.0°1'W., bet. secs. 11 and 12. Over rough, broken land.
9.50	Wash 20 lks.wide course W.
19.50	Wash, 50 lks.wide, course NW.
30.00	Wash, 50 lks.wide, course W.; ascend spur.
40.00	Top of sour, bears E.and W. 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 11 in W., and S 12 in E,half; and raise a mound of stone 2 ft. base, 1½ ft. high,W.of cor. Pits impracticable.
44.00	Head of gulch, course NW.; ascend.
48.00	Spur, extends W. about 10 chs.; descend.
60.00	Foot of descent, wash 50 lks.wide, course S.60°W.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor.of secs. 1,2,11 and 12, marked on brass cap, T 22 N, R 15 W in N.half; S 2 in NW., S 1 in NE., S 12 in SE., and S 11 in SW. quadrant; and raise a mound of stone 2 ft. base, 1½ ft. high,W.of cor. Pits impracticable. Land, rough and broken. Soil, a heavy disintegrated granite sand and gravel;fair grazing.
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## Subdivision of Township 22 North, Range 15 West.

Chains.

- S.  $89^{\circ}55'E$ . on a random line, bet. secs. 1 and 12.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.08 Intersect E. bdy. of township 9 lks. south of cor. of secs. 1, 6, 7 and 12.  
 Thence I run,  
 N.  $89^{\circ}59'W$ . on a true line, bet. secs. 1 and 12.  
 Over broken land; ascend.  
 34.00 Top of N. slope of hill; descend.  
 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 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  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 80.08 The cor. of secs. 1, 2, 11 and 12.  
 Land, broken.  
 Soil, a heavy granite sand and gravel; fair grazing.

- April 12, 1911: I set off  $8^{\circ}30'N$ . on the decl. arc, and at 12h. 01m. p.m., l.m.t., observe the sun on the meridian; the resulting lat. is  $35^{\circ}19'N$ .  
 Thence I run,  
 N.  $0^{\circ}1'W$ ., on a random line, bet. secs. 1 and 2.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.04 Intersect N. bdy. of Tp. 2 lks. W. of cor. of secs. 1, 2, 35 and 36.  
 Thence I run,  
 South on a true line, bet. secs. 1 and 2.  
 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 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  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 41.50 Wash, 75 lks. wide, course  $N.60^{\circ}W$ .  
 48.00 Wash, 100 lks. wide, course  $N.60^{\circ}W$ .  
 80.04 The cor. of secs. 1, 2, 11 and 12.  
 Land, rolling.  
 Soil, a sandy loam, mixed with gravel; fair grazing.  
 April 12, 1911.

- April 13, 1911: At 8:00 a.m., l.m.t., I set off  $35^{\circ}15'N$ . on the lat. arc;  $8^{\circ}48'N$ . on the decl. arc, and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35.  
 Thence I run,  
 N.  $0^{\circ}01'W$ ., bet. secs. 34 and 35.  
 Over rolling land; descend.  
 39.15 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for witness corner to  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 W C, S of center  
 $\frac{1}{4}$  S 34 in NW., and  
 S 35 in NE. quadrant; 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.  
 40.00 Wash, 30 lks. wide, course NW., and true point for  $\frac{1}{4}$  sec. cor.  
 49.00 Wash, 150 lks. wide, course NW.  
 52.00 Wash, 150 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. 26, 27, 34 and 35, marked on brass cap,

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

Chains.

T 22 N, R 15 W in N.half,  
 S 27 in NW.,  
 S 26 in NE.,  
 S 35 in SE., and  
 S 34 in SW. quadrant; 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, rolling.  
 Soil, a sandy loam, mixed with gravel.  
 Fair grazing.

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. of secs. 25, 26,  
 35 and 36.  
 Thence I run,  
 N. 89° 59' W., on a true line, bet. secs. 26 and 35.  
 Over rolling land; descend.  
 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 26 in N., and  
 S 35 in S. half; dig pits 18x18x12 ins. E. and W.  
 of post 3 ft. dist., and raise a mound of earth 3½ ft.  
 base, 1½ ft. high, N. of cor.  
 68.00 Wash, 40 lks. wide, course SE. to N. 65° W.  
 72.00 Wash, same, course, N. 70° W.  
 80.00 The cor. of secs. 26, 27, 34 and 35.  
 Land, rolling.  
 Soil, sandy loam, mixed with gravel; fair grazing.

N. 0° 1' W., bet. secs. 26 and 27.  
 Over rolling land.  
 2.00 Wash, 40 lks. wide, course N. 60° W.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for ¼ sec. cor., marked on brass cap,  
 ¼ S 27 in W., and  
 S 26 in E. half; dig pits 18x18x12 ins., N. and  
 S. of post, 3 ft. dist., and raise a mound of earth 3½  
 ft. base, 1½ 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. 22, 23, 26 and 27, marked  
 on brass cap,  
 T 22 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; 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, rolling.  
 Soil, a sandy loam, mixed with gravel.  
 Fair grazing.

S. 89° 59' E. on a random line, bet. secs. 23 and 26.  
 40.00 Set temp. ¼ sec. cor.  
 80.00 Intersect N. and S. line at cor. of secs. 23, 24, 25 and  
 26.  
 Thence I run,  
 N. 89° 59' W., on a true line, bet. secs. 23 and 26.  
 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,

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

7.

Chains.

$\frac{1}{4}$  S 23 in N., and  
 S 26 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.  
 80.00 The cor.of secs. 22,23,26 and 27.  
 Land, rolling.  
 Soil, a sandy loam mixed with gravel; fair grazing.

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N.0°1'W., bet. secs. 22 and 23.  
 Over rolling land.  
 30.00 Wash, 100 lks.wide, course W.  
 38.00 Wash, 100 lks.wide, course W.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  
 $\frac{1}{4}$  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  $3\frac{1}{2}$  ft.  
 base,  $1\frac{1}{2}$  ft. high, W.of cor.  
 70.00 Wash, 75 lks.wide, course west.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground for cor.of secs. 14,15,22 and 23, marked on  
 brass cap,  
 T 22 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.  $5\frac{1}{2}$  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.

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S.89°59'E. on a random line, bet. secs. 14 and 23.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.00 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.  
 Over rough land; descend W.slope of high ridge.  
 10.00 Foot of ridge, enter valley.  
 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 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.  
 80.00 The cor.of secs. 14,15,22 and 23.  
 Land, hilly.  
 Soil, rocky E.10 chs.; land rolling. Soil, sandy loam W.  
 70 chs.; fair grazing.

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April 13, 1911: I set off 8° 52' N. on the decl.arc;  
 and at 12h.1m.p.m., 1.m.t., observe the sun on the  
 meridian; the resulting lat.is 35° 17'N.

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N.0°1'W., bet. secs. 14 and 15.  
 Over gently rolling land.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in

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

Chains.

- 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.
- 51.50 Wash, 25 lks. wide, course NW.  
 74.00 Wash, 20 lks. wide, course W.  
 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 22 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; fair grazing.
- 
- N.  $89^{\circ}59'E.$ , on a random line, bet secs. 11 and 14.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.00 Intersect N. and S. line at cor. of secs. 11, 12, 13 and 14.  
 Thence I run,  
 S.  $89^{\circ}59'W.$  on a true line, bet. secs. 11 and 14.  
 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 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.  
 80.00 The cor. of secs. 10, 11, 14 and 15.  
 Land, rolling.  
 Soil, a sandy loam mixed with gravel; fair grazing.
- 
- N.  $0^{\circ}1'W.$ , bet. secs. 10 and 11.  
 Over gently rolling land.  
 17.30 Wash, 20 lks. wide, course W.  
 27.00 Wash, 50 lks. wide, course W.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., 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.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground for cor. of secs. 2, 3, 10 and 11, marked on  
 brass cap,  
 T 22 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; fair grazing.
- 
- N.  $89^{\circ}59'E.$  on a random line, bet. secs. 2 and 11.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.

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

9.

Chains.

- 80.00 Intersect N. and S. line 2 lks. S. of cor. of secs. 1, 2, 11 and 12.  
Thence I run,  
S. 89° 58' W., on a true line, bet. secs. 2 and 11.  
Over rolling land; descend.
- 5.50 Wash, 30 lks. wide, course N. 50° 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 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.
- 70.50 Wash, 30 lks. wide, course N. 60° W.
- 80.00 The cor. to secs. 2, 3, 10 and 11.  
Land, rolling.  
Soil, a sandy loam, mixed with gravel; fair grazing..

- N. 0° 2' W., on a random line, bet. secs. 2 and 3.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.02 Intersect N. bdy. of township 5 lks. W. of cor. of secs. 2, 3, 34 and 35.  
Thence I run,  
South, on a true line, bet. secs. 2 and 3.  
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 3 in W., and  
S 2 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 Wash, 30 lks. wide, course N. 70° W.
- 69.25 Wash, 20 lks. wide, course N. 60° W.
- 80.02 The cor. of secs. 2, 3, 10 and 11.  
Land, rolling.  
Soil, sandy loam, mixed with gravel. Fair grazing.  
On this day I discharged C. J. Schwartz.

April 13, 1911.

- April 14, 1911: At 8:00 a.m., l.m.t., I set off 9° 10' N. on the decl. arc; 35° 15' N., on the lat. arc, and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34 on the south boundary.  
Thence I run,  
N. 0° 2' W., bet. secs. 33 and 34.  
Over gently rolling land; descend.
- 10.00 Wash, 100 lks. wide, course N. 40° 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 33 in W., and  
S 34 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.
- 72.56 Wash, 10 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. 27, 28, 33 and 34, marked on brass cap,  
T 22 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; 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, sandy loam, mixed with gravel.  
Fair grazing.

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

Chains

- East, on a random line, bet. secs. 27 and 34.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.00 Intersect N. and S. line 2 lks. N. of cor. of secs. 26, 27, 34 and 35.  
 Thence I run,  
 N.  $89^{\circ}59'W.$ , on a true line, bet. secs. 27 and 34.  
 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 27 in N., and S 34 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.  
 42.00 Wash, 300 lks. wide, course NW.  
 64.65 Wash, 15 lks. wide, course NW.  
 80.00 The cor. of secs. 27, 28, 33 and 34.  
 Land, rolling.  
 Soil, a sandy loam mixed with gravel; fair grazing.
- 
- N.  $0^{\circ}2'W.$ , bet. secs. 27 and 28.  
 Over rolling land, through thick high cacti.  
 11.50 Wash, 30 lks. wide, course N.  $60^{\circ}W.$   
 23.50 Center of wash 400 lks. wide, course N.  $65^{\circ}W.$   
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  $\frac{1}{4}$  S 28 in W., and S 27 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. 21, 22, 27 and 28, marked on brass cap,  
 T 22 N R 15 W in N. half;  
 S 21 in NW.,  
 S 22 in NE.,  
 S 27 in SE., and  
 S 28 in SW. quadrant; dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
 Land, gently rolling.  
 Soil, a light sandy loam,  
 Fair grazing.
- 
- S.  $89^{\circ}59'E.$ , on a random line, bet. secs. 22 and 27.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.02 Intersect N. and S. line at cor. to secs. 22, 23, 26 and 27.  
 Thence I run,  
 N.  $89^{\circ}59'W.$  on a true line, bet. secs. 22 and 27.  
 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 22 in N., and S 27 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.  
 43.00 Enter dense, high cacti, bears NW. and SE.  
 80.02 The cor. to secs. 21, 22, 27 and 28.  
 Land, rolling.  
 Soil, light sandy loam; dense cacti W. 40 chs.  
 Fair grazing.
- 
- N.  $0^{\circ}2'W.$ , bet. secs. 21 and 22.  
 Over rolling land; descend through dense cactus.

## Chains.

- 30.00 Leave cactus.  
 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 21 in W., and S 22 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.  
 54.40 Wash, 50 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. 15, 16, 21 and 22, marked on brass cap,  
 T 22 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, rolling.  
 Soil, sandy loam; dense cactus S. 30 chs.  
 Fair grazing.

- S.  $89^{\circ}59'$  E., on a random line, bet. secs. 15 and 22.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.00 Intersect N. and S. line 5 lks. S. of cor. of secs. 15, 15, 22 and 23.  
 Thence I run,  
 S.  $89^{\circ}59'$  W., on a true line, bet. secs. 15 and 22.  
 Over gently 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 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.  
 46.00 Wash, 100 lks. wide, course NW.  
 80.00 The cor. of secs. 15, 16, 21 and 22.  
 Land, rolling.  
 Soil, a light sandy loam; fair grazing.  
 April 14, 1911: I set off  $9^{\circ}13'$  N. on the decl. arc; and at 12h. l.m.p.m., l.m.t., observe the sun on the meridian; the resulting lat. is  $35^{\circ}17'$  N.

- N.  $0^{\circ}2'$  W., bet. secs. 15 and 16.  
 Over gently rolling land.  
 29.50 Wash, 30 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 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.  
 66.30 Wash, 20 lks. wide, course W.  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 9, 10, 15 and 16, marked on brass cap,  
 T 22 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; 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, gently rolling.

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

Chains.

Soil, light sandy loam; fair grazing.

- N.89°59'E. on a random line, bet. secs.10 and 15.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 79.96 Intersect N.and S.line 2 lks.N.of cor. of secs.10,11,14  
 and 15.  
 Thence I run,  
 West, on a true line, bet. secs.10 and 15.  
 Over gently rolling land, descend.  
 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 10 in N.half; and  
 S 15 in S.half; dig pits 18x18x12 ins. E.and W.of  
 post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base,  $1\frac{1}{2}$  ft. high,N.of cor.  
 79.96 The cor.of secs.9,10,15 and 16.  
 Land, gently rolling.  
 Soil, light sandy loam.  
 Fair grazing.

- N.0°2'W., bet. secs. 9 and 10.  
 Over gently rolling land, through scattering cacti.  
 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 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  $3\frac{1}{2}$  ft.  
 base.  $1\frac{1}{2}$  ft. high,W.of cor.  
 64.40 Wash,50 lks.wide, course N.80°W.  
 66.20 Wash,50 lks.wide, course W.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground for cor.of secs. 3,4,9 and 10, marked on  
 brass cap,  
 T 22 N, R 15 W in N.half;  
 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. $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft.  
 base, 2 ft. high,W.of cor.  
 Land, rolling.  
 Soil, light sandy loam; fair grazing.

- East on a random line, bet. secs. 3 and 10.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 79.96 Intersect N.and S.line 5 lks.S.of cor. of secs. 2,3,10  
 and 11.  
 Thence I run,  
 S.89° 58'W., on a true line, bet. secs.3 and 10.  
 Over rolling land.  
 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 3 in N.,and  
 S 10 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.  
 79.96 The cor.of secs.3,4,9 and 10.  
 Land, rolling. Soil, sandy loam. Fair grazing.

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

13.

Chains.

- N.0° 2'W., on a random line, bet. secs.3 and 4.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.03 Intersect N.bdy. of township 7 lks.west of corner of secs.  
 3,4,33 and 34.  
 Thence I run,  
 S.0°1'W., on a true line, bet. secs.3 and 4.  
 Over gently rolling land; ascend.  
 40.03 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  
 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.  
 80.03 The cor.of secs.3,4,9 and 10. Land gently rolling.  
 Soil,a sandy loam; fair grazing. April 14, 1911.
- 

- April 15,1911: At 8:00 a.m., l.m.t., I set off 35°15'N.  
 onthe lat.arc; 9°32'N on the decl.arc, and determine  
 a meridian with the solar at the cor.of secs.4,5,32  
 and 33.  
 Thence I run,  
 N.0°3'W., bet. secs.32 and 33.  
 Over gently 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 32 in W., and  
 S 33 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.  
 63.00 Wash, 50 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. 28,29,32 and 33, marked  
 on brass cap,  
 T 22 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; 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, sandy loam; fair grazing.
- 

- East, on a random line, bet. secs.28 and 33.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.08 Intersect N.and S. line 5 lks.S.of cor. of secs. 27,28,  
 33 and 34.  
 Thence I run,  
 S.89°58'W., on a true line, bet. secs.28 and 33.  
 Over rolling land; descend.  
 10.00 Wash,20 lks.wide, course N.60°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 28 in N., and  
 S 33 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.  
 78.00 Wash,80 lks.wide, course NW.  
 80.08 The cor.of secs. 28,29, 32 and 33.  
 Land, gently rolling.  
 Soil, light sandy loam; fair grazing.
-

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

Chains.

N.  $0^{\circ}03'$  W., bet. secs. 28 and 29.  
Over gently rolling land; descend.  
2.00 Wash, 80 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 29 in W., and S 28 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.  
50.60 Wash, 30 lks. wide, course NW.  
54.50 Enter wash, course NW.  
59.60 Leave wash, 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 22 N, R 15 W in N. half;  
S 20 in NW.,  
S 21 in NE.,  
S 28 in SE.,  
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, rolling.  
Soil, light sandy loam; fair grazing.

N.  $89^{\circ}58'E.$ , bet. secs. 21 and 28, on a random line.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.06 Intersect N. and S. line 9 lks. N. of cor. to secs. 21, 22, 27 and 28; thence I run, N.  $89^{\circ}58'W.$ , on a true line, bet. secs. 21 and 28.  
Over gently rolling land; descend.  
40.03 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; 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.  
80.06 The cor. to secs. 20, 21, 28 and 29.  
Land, gently rolling.  
Soil, a sandy loam; fair grazing.

N.  $0^{\circ}03'W.$ , bet. secs. 20 and 21.  
Over nearly level plain.  
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 22 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, gently rolling.  
Soil, a sandy loam.  
Fair grazing.

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

15.

## Chains.

- S.89°58'E., on a random line, bet. secs.16 and 21.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 79.96 Intersect N.and S.line 7 lks.S.of cor. of secs. 15,16,21  
 and 22.  
 Thence I run,  
 S.89°59'W., bet. secs.16 and 21, on a true line.  
 Over gently rolling land.  
 35.00 Center wash, 6 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 16 in N., and  
 S 21 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.  
 79.96 The cor.of secs.16,17,20 and 21.  
 Land, gently rolling.  
 Soil, a sandy loam; fair grazing.  
 At this cor. I set off 9°35' N.on the decl.arc, and at  
 12h.00m p.m., 1. m.t., observe the sun on the meridian;  
 the resulting lat.is 35° 17'N.

- N.0°3'W., bet. secs.16 and 17.  
 Over gently rolling land.  
 32.00 Wash,150 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 17 in W., 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.  
 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 22 N, R 15 W in N.half;  
 S 8 in NW.,  
 S 9 in NE., and  
 S 16 in SE., and  
 S 17 in SW.quadrant; dig pits 18x18x12ins.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, gently rolling.  
 Soil, a sandy loam; fair grazing.

- N.89°59'E., on a random line, bet. secs.9 and 16.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor,  
 80.00 Intersect N.and S. line 2,lks.S.of cor. of secs. 9,10,  
 15 and 16; thence I run,  
 S.89°58'W., on a true line, bet. secs.9 and 16.  
 Over gently 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 9 in N., and  
 S 16 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.  
 80.00 The cor.of secs.8,9,16 and 17.  
 Land, gently rolling.  
 Soil, a sandy loam; fair grazing.

N.0° 03' W., bet. secs. 8 and 9.  
 Over gently rolling land.

16. Subdivision of Township 22 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 8 in W., and S 9 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. 4, 5, 8 and 9, marked on brass cap, T 22 N, R 15 W in N. half; S 5 in NW., S 4 in NE., S 9 in SE., and S 8 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; fair grazing.

- N.  $89^{\circ}58'E.$ , bet. secs. 4 and 9, on a random line.  
Over gently rolling land.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
  - 80.06 Intersect N. and S. line 2 lks. S. of cor. of secs. 3, 4, 9 and 10; thence I run, S.  $89^{\circ}57'W.$ , on a true line, bet. secs. 4 and 9.  
Over gently rolling land.
  - 40.03 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.
  - 50.30 Wash, 30 lks. wide, course N.  $30^{\circ} W.$
  - 80.06 The cor. of secs. 4, 5, 8 and 9.  
Land, gently rolling.  
Soil, a sandy loam; fair grazing.

- N.  $0^{\circ}03'W.$  on a random line, bet. secs. 4 and 5.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
  - 80.04 Intersect N. bdy. of Tp. 5 lks. W. of cor. of secs. 4, 5, 32 and 33; thence I run, S.  $0^{\circ}01'E.$ , on a true line, bet. secs. 4 and 5.  
Over nearly level land.
  - 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 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.
  - 80.04 The cor. of secs. 4, 5, 8 and 9.  
Land, nearly level.  
Soil, a sandy loam; fair grazing.
- April 15, 1911.

April 17, 1911: At 8:00 a.m., l.m.t., I set off  $10^{\circ}15'$  N. on the decl. arc;  $35^{\circ}15'N.$  on the lat. arc, and determine a meridian with the solar at the cor. of secs. 5.6.31 and 32 on the S. bdy.  
Thence I run, N.  $0^{\circ}03'W.$ , bet. secs. 31 and 32.

## Subdivision of Township 22 North, Range 15 West. 17.

## Chains.

- Over rolling land; descend.
- 40.00 Point for  $\frac{1}{4}$  sec.cor. comes in wash, 30 lks.wide, course NW.
- 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,  
 WC  $\frac{1}{4}$  N of center;  
 S 31 in SW., and  
 S 32 in SE. quadrant; 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 N.70°W.
- 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 22 N R 15 W in N.half;  
 S 30 in NW.,  
 S 29 in NE.,  
 S 32 in SE., and  
 S 31 in SW. quadrant; dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist.,and raise a mound of earth 4 ft. base, 2 ft .high,W.of cor.
- Land, rolling.  
 Soil, a sandy loam; fair grazing.
- 

- E. on a random line bet. secs.29 and 32.
- 40.00 Set temp.  $\frac{1}{4}$  sec.cor.
- 79.98 Intersect N'and S.line 5 lks.N.of cor.of secs.28,29,32 and 33.  
 Thence I run,  
 N.89°58'W. on a true line, bet. secs.29 and 32.
- Over rolling land; descend.
- 14.00 Wash,50 lks.wide, course NW.
- 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 29 in N., and  
 S 32 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.
- 79.98 The cor.of secs. 29,30,31 and 32.  
 Land, gently rolling.  
 Soil, a light sandy loam; fair grazing.
- 

- West, on a random line, bet. secs.30 and 31.
- 40.00 Set temp.  $\frac{1}{4}$  sec.cor.
- 79.18 Intersect W. bdy.of township 5 lks.S.of cor. of secs.25, 30, 31 and 36.  
 Thence I run,  
 S.89°58'E., on a true line, bet. secs.30 and 31.
- Over gently rolling land; ascend.
- 35.20 Fries' Wash 50 lks.wide, course NW.
- 39.18 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; dig pits 18x18x12 ins. E.and W.of 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.
- 79.18 The cor.of secs. 29,30, 31 and 32.  
 Land, gently rolling.  
 Soil, a light sandy loam; fair grazing.
-

18. Subdivision of Township 22 North, Range 15 West.

Chains.

N.0°3'W., bet. secs.29 and 30.

Over gently 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 30 in W., and S 29 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.

78.00 Wash,50 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. 19,20, 29 and 30, marked on brass cap,

T 22 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 1/2 ft. high,W.of cor. Pits impracticable. Land, gently rolling.

Soil, light sandy loam; fair grazing.

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April 17,1911: I set off 10°18'N. on the decl.arc, and at noon observe the sun on the meridian; the resulting lat.is 35°17'N.

S.89°58'E. on a random line, bet. secs.20 and 29.

40.00 Set temp. 1/4 sec.cor.

80.04 Intersect N.and S. line at cor.of secs. 20,21,28 and 29. Thence I run,

N.89°58'W., on a true line, bet. secs.20 and 29.

Over gently rolling land; descend.

30.00 Main wash,180 lks.wide, course NW.

40.02 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec.cor., marked on brass cap,

1/4 S 20 in N., and

S 29 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.

58.00 Wash,80 lks.wide, course N.60°W.

67.00 Wash,30 lks.wide, course NW.

79.50 Wash,50 lks.wide, course NW.

80.04 The cor.of secs.19,20, 29 and 30.

Land, gently rolling.

Soil, light sandy loam; fair grazing.

-----  
N,89°58'W., on a random line, bet. secs.19 and 30.

40.00 Set temp. 1/4 sec.cor.

79.00 Intersect W.bdy.of Tp. 16 lks.N.of cor. of secs. 19,24, 25 and 30.

Thence I run,

N.89°55'E.on a true line, bet. secs.19 and 30.

Over gently rolling land; ascend.

39.00 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 19 in N.half, and

S 30 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.

79.00 The cor.of secs.19,20,29 and 30.

Land, gently rolling.

Soil, a light sandy loam; fair grazing.

-----  
N.0°3'W., bet. secs.19 and 20.

Over gently rolling land; descend.

## Chains.

- 7.60 Wash, 20 lks. wide, course N. 75° W.  
 37.35 Wash, 50 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; 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. 17, 18, 19 and 20, marked on brass cap, T 22 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 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, gently rolling.  
 Soil, light sandy loam; good grazing.

April 17, 1911.

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 April 18, 1911: At 8:00 a.m., l.m.t., I set off 35°17'N. on the lat. arc; 10°36'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 17, 18, 19 and 20.

- Thence I run, S. 89°58'E. on a random line, bet. secs. 17 and 20.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.00 Intersect N. and S. line, 9 lks. S. of cor. of secs. 16, 17, 20 and 21.  
 Thence I run, S. 89°58'W., on a true line, bet. secs. 17 and 20.  
 Over level plain.  
 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 N., and S 20 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.  
 80.00 The cor. of secs. 17, 18, 19 and 20.  
 Land, level.  
 Soil, light sandy loam; good grazing.

- S. 89°55'W. on a random line, bet. secs. 18 and 19.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 78.80 Intersect W. bdy. of Tp., 5 lks. N. of cor. of secs. 13, 18, 19 and 24.  
 Thence I run, N. 89°53'E., on a true line, bet. secs. 18 and 19.  
 Over gently rolling land; ascend.  
 16.80 Wash, 20 lks. wide, course NW.  
 30.00 Wash, 20 lks. wide, course NW.  
 38.80 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 S 19 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.  
 78.80 The cor. of secs. 17, 18, 19 and 20.  
 Land, gently rolling.  
 Soil, light sandy loam; good grazing.
-

Chains.

- N.0°3'W., bet. secs.17 and 18.  
Over level plain.
- 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 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.
- 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 22 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 4ft. base, 2 ft. high,W.of cor.
- Land, level  
Soil, light sandy loam; good grazing.

- N.89°58'E. on a random line, bet. secs.8 and 17.
- 40.00 Set temp.  $\frac{1}{4}$  sec.cor.
- 80.00 Intersect N.and S.line at cor.of secs.8,9,16 and 17.  
Thence I run,  
S.89°58'W. on a true line, bet. secs.8 and 17.  
Over gently rolling land.
- 40.00 Set 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; 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.
- 80.00 The cor.of secs .7,8,17 and 18.  
Land, gently rolling.  
Soil, light sandy loam; good grazing.

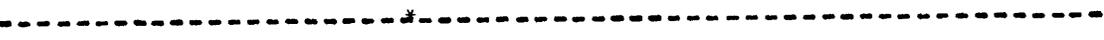
- S.89°53' W. on a random line, bet. secs.7 and 18.
- 40.00 Set temp.  $\frac{1}{4}$  sec.cor.
- 78.70 Intersect W.bdy. of township 12 lks.S.of cor.of secs. 7,12,13 and 18.  
Thence I run,  
N.89°58'E., on a true line, bet. secs.7 and 18.  
Over nearly level land.
- 38.70 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,  $\frac{1}{4}$  S 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.
- 78.70 The cor.of secs. 7,8,17 and 18.  
Land, nearly level.  
Soil, light, sandy loam; fair grazing.

- N.0°3' W., bet. secs. 7 and 8.  
Over nearly level 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 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.

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

Chains.

base, 1½ 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. 5, 6, 7 and 8, marked on brass cap,  
     T 22 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. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
 Land, nearly level.  
 Soil, light sandy loam; fair grazing.



N. 89° 58' E., on a random line bet. secs. 5 and 8.  
 40.00 Set temp. ¼ sec. cor.  
 79.90 Intersect N. and S. line at cor. of secs. 4, 5, 8 and 9. Thence I run,  
     S. 89° 58' W. on a true line, bet. secs. 5 and 8.  
 Over level land.  
 39.95 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 5 in N., and  
     S 8 in S half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.  
 79.90 The cor. of secs. 5, 6, 7 and 8.  
 Land, nearly level.  
 Soil, light, sandy loam.  
 Fair grazing.



S. 89° 58' W., on a random line, bet. secs. 6 and 7.  
 40.00 Set temp. ¼ sec. cor.  
 78.50 Intersect west boundary of township 5 lks. S. of cor. of secs. 1, 6, 7 and 12.  
 Thence I run,  
 East on a true line, bet. secs. 6 and 7.  
 Over gently rolling land; through dense cactus.  
 30.00 Road, Kingman to Hackberry, bears N. 38¼° E. and S. 38¼° W.  
 31.37 Intersect center line of Santa Fe R.R., which bears S. 38° 23' W. and N. 38° 23' E.  
 38.50 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 6 in N., and  
     S 7 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.  
 78.50 The cor. of secs. 5, 6, 7 and 8.  
 Land, gently rolling.  
 Soil, light, sandy loam; fair grazing.



N. 0° 3' W., on a random line, bet. secs. 5 and 6.  
 40.00 Set temp. ¼ sec. cor.  
 80.02 Intersect N. bdy. of township 2 lks. E. of cor. of secs. 5, 6, 31 and 32.  
 Thence I run,  
     S. 0° 4' E., on a true line, bet. secs. 5 and 6.  
 19.25 Road, Kingman to Hackberry, bears N. 38° 15' E. and S. 38° 15' W.  
 20.54 Intersect center line Santa Fe R.R., which bears N. 38° 23' E. and S. 38° 23' W.

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

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., marked on brass cap,  $\frac{1}{4}$  S. 6 in W., and 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.  
 80.02 The cor. of secs. 5, 6, 7 and 8.  
 Land, gently rolling.  
 Soil, sandy loam; fair grazing.

April 18, 1911.

GENERAL DESCRIPTION.

This township consists mostly of a gently rolling plain, with drainage towards N. and W. Along the eastern tier of secs., there are a few rough hills of granite. The soil is generally a light sandy loam, with heavy clay sub-soil at a depth of about two feet. While there is no water in the township, the soil produces a fair growth of bunch grass. There are no settlers, though in the SE.  $\frac{1}{4}$  of sec. 1; there is a cattle corral. The A.T. & S.F.R. crosses this township through sec. 6 diagonally.

*W. O. Decor*  
 U. S. Transitman.

23

APPROVAL.

BOOK 2311

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

*Phoenix Ariz. March 15, 1912*

The foregoing field notes of the survey of *the Subdivisions of T. 22 N. R. 15 W.*  
*G. & R. Meridian, Arizona*

executed by *W. O. Decor, 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 S. Ingalls*  
 U. S. Surveyor General.