

Book Q  
2309 BOOK 2309  
FIELD NOTES

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2309

OF THE SURVEY OF THE

Subdivision Lines of T22 N. R. 16 W.

2309

Of the T22 N. Meridian,

In the State of Territory of Arizona

EXECUTED BY

Jesse B. Wright

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 May 27, 1899.

2309

Survey commenced April 9, 1911

Survey completed April 15, 1911

6-151

2309

6082

240  
1/2

# Book No. 2309

For Oaths, see Book B.

BOOK 2309

## INDEX DIAGRAM.

Township 22 N., Range 16 W.

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Note: For N. & E. Oaths see Book D. <sup>6-157</sup> Group 10  
 " West Oath. " " A. " "

## Chains.

Survey commenced April 9, 1911, and executed with a W. & L.E. Gurley light mountain transit, special make, unnumbered, with Burt's patent solar attachment. The horizontal limb of the instrument is provided with two double verniers, placed opposite to each other and each reading to 1' of arc, which is also the least reading of the verniers of the latitude and declination arcs.

At the cor. of secs. 1, 2, 35 & 36, on the S. bdy. of the Tp.,

I examine and test all the adjustments of the transit & solar attachment, and correct the levels, and line of collimation, which I find slightly in error; then, in order to test the solar apparatus, by comparing the results of observations on the sun, for meridians, made during p.m. & a.m. hours, respectively, with a true meridian as determined by observations on Polaris, I proceed as follows :-

At 4h p.m., l.m.t., at the cor. above described, in lat.  $35^{\circ}14'49''$  N., long.  $113^{\circ}56'40''$  W.,

I set off  $7^{\circ}28'$  N. on the decl. arc, and  $35^{\circ}15'$  N. on the lat. arc, and determine a meridian with the solar, and mark a point in the meridian thus determined by a tack in a stake driven firmly in the ground 5 chs. N. of my station.

At 6h 15m p.m., l.m.t., I observe Polaris at W. elongation, in accordance with instruction in the "Manual", and mark the line thus determined by a tack in a stake driven firmly in the ground 6 chs. N. of my station.  
April 9, 1911.

April 10, 1911.

At 7h 45m a.m., l.m.t., I set off the azimuth of Polaris,  $1^{\circ}25\frac{1}{2}'$  to the East, and mark the true meridian thus determined by a tack in the stake 5 chs. N. of my station, which point falls .20 ins. W. of the point in the meridian as established by the solar on the preceding afternoon.

At 8h a.m., l.m.t., I set off  $7^{\circ}42'$  N. on the decl. arc, and  $35^{\circ}15'$  N. on the lat. arc, and determine a meridian with the solar, and mark a point in the meridian thus determined by a tack in the stake 5 chs. N. of my station, which point falls .25 ins. W. of the point in the true meridian as established by observation of Polaris.

The solar apparatus, by p.m. & a.m. hours observations, defines positions for meridians, about  $10''$  E. &  $13''$  W., respectively, of the true meridian as established by observation of Polaris; therefore, from these observations, I conclude that my instrument is in accurate and satisfactory adjustment.

The magnetic bearing of the true meridian at 8h a.m., is N.  $15^{\circ}20'$  W.;

The angle thus determined gives the magnetic declination as  $15^{\circ}20'$  E.

From the corner above described, I run, as per instructions,

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N. 0° 1' W., bet. secs. 35 & 36.

Var. 15° 20' E.

Over gently rolling land, desc. grad., through scattering greasewood, cacti. Good native grass.

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. 35 in W., and 1/4 S. 36 in E. half,

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

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

T. 22 N., R. 16 W. in N. half,  
S. 26 in NW.,  
S. 25 in NW.,  
S. 36 in SE., and  
S. 35 in SW. quadrants,

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, 3rd rate, sandy, gravelly, loose. Scattering greasewood, cacti. Good native grass, in places.

East, on a random line, bet. secs. 25 & 36.

40.00 Set temp. 1/4 sec. cor.

80.02 Intersect E. bdy. of Tp. at point 5 lks. N. of cor. of secs. 25, 30, 31 & 36, whence I run, N. 89° 58' W., on a true line, bet. secs. 25 & 36.

Over gently rolling land, desc. grad.

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. 25 in N., and 1/4 S. 36 in S. half,

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

80.02 To cor. of secs. 25, 26, 35 & 36.

Land, rolling.

Soil, 2nd & 3rd rate, sandy, gravelly, loose, dry, fertile. Sparse sage brush, greasewood, cacti, tseseta. Fair grass.

N. 0° 1' W., bet. secs. 25 & 26.

Over gently undulating plain, desc. slightly.

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. 26 in W., and 1/4 S. 25 in E. half,

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

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 & 26, marked on brass cap,

T. 22 N., R. 16 W. in N. half,  
S. 23 in NW.,  
S. 24 in NE.,  
S. 25 in SE., and  
S. 26 in SW. quadrants,

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, 3rd rate, sandy, gravelly, loose, dry, fertile. Sparse sage brush, & cacti. Good native grass.

## Chains.

S.  $89^{\circ}58'$  E., on a random line, bet. secs. 24 & 25.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.00 Intersect E. bdy. of Tp. at a point 5 lks. E. of cor. of  
 secs. 19, 24, 25 & 30, whence I run,  
 N.  $89^{\circ}56'$  W., on a true line, bet. secs. 24 & 25.  
 Over gently rolling land, desc. grad., drains 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. 24 in N., and  
 S. 25 in S. half,  
 dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
 raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
 80.00 To cor. of secs. 23, 24, 25 & 26.  
 Land, rolling.  
 Soil, 3rd rate, sand, gravelly, loose, dry.  
 Sparse sage brush, cacti, greasewood. Fair native grass.

N.  $0^{\circ}1'$  W., bet. secs. 23 & 24.  
 Over gently undulating plain, desc. slightly.  
 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. & S. of cor. 3 ft. dist., and  
 raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in  
 the ground for cor. of secs. 13, 14, 23 & 24, marked on  
 brass cap,  
 T. 22 N., R. 16 W. in N. half,  
 S. 14 in NW.,  
 S. 13 in NE.,  
 S. 24 in SE., and  
 S. 23 in SW. quadrants,  
 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, 3rd rate, sandy, gravelly, loose, dry, fertile.  
 Sparse sage brush, cacti. Good native grass.

S.  $89^{\circ}56'$  E., on a random line, bet. secs. 13 & 24.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.02 Intersect E. bdy. of Tp. at a point 7 lks. N. of cor. of  
 secs. 13, 18, 19 & 24, whence I run,  
 N.  $89^{\circ}53'$  W., on a true line, bet. secs. 13 & 24.  
 Over gently rolling land, desc. grad.  
 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. 13 in N., and  
 S. 24 in S. half,  
 dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
 raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
 80.02 To cor. of secs. 13, 14, 23 & 24.  
 Land, rolling slightly.  
 Soil, 3rd rate, sandy, gravelly, loose, dry, fertile.  
 Sparse sage brush, cacti, greasewood. Fair grass.  
 At this cor. at noon, 1-m.t., I set off  $7^{\circ}46'$  N. on the  
 decl. arc, and observe the sun on the meridian.  
 The resulting lat. is  $35^{\circ}17\frac{1}{2}'$  N.

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|--------|---|
| Chains | <p>N. 0° 1' W., bet. secs. 13 &amp; 14.<br/>Over gently undulating plain, desc. grad.</p> <p>18.72 Centre of Atchison, Topeka &amp; Santa Fe R.R., brs.<br/>N. 38° 16' E. &amp; S. 38° 16' W.</p> <p>20.35 Road, brs. NE. &amp; SW.</p> <p>40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in<br/>the ground for <math>\frac{1}{4}</math> sec. cor., marked on brass cap,<br/><math>\frac{1}{4}</math> S. 14 in W., and<br/>S. 13 in E. half,<br/>dig pits 18x18x12 ins. N. &amp; S. of cor. 3 ft. dist., and<br/>raise a mound of earth <math>3\frac{1}{2}</math> ft. base, <math>1\frac{1}{2}</math> ft. high W. of cor.</p> <p>80.00 Set an iron pose 3 ft. long, 2 ins. in diam. 24 ins. in<br/>the ground for cor. of secs. 11, 12, 13 &amp; 14, marked on<br/>brass cap,<br/>T. 22 N., R. 16 W. in N. half,<br/>S. 11 in NW.,<br/>S. 12 in NE.,<br/>S. 13 in SE., and<br/>S. 14 in SW. quadrants,<br/>dig pits 18x18x12 ins. in each sec. <math>5\frac{1}{2}</math> ft. dist., and<br/>raise a mound of earth 4 ft. base, 2 ft. high W. of cor.<br/>Land, rolling, slightly.<br/>Soil, 2nd &amp; 3rd rate, sandy, gravelly, loose, fertile.<br/>Scattering greasewood, cacti, sage brush, Coarse bunch<br/>grass.</p> |
|        | <p>S. 89° 53' E., on a random line, bet. secs. 12 &amp; 13.</p> <p>40.00 Set temp. <math>\frac{1}{4}</math> sec. cor.</p> <p>80.02 Intersect E. bdy. of Tp. at a point 5 lks. S. of cor. of<br/>secs. 7, 12, 13 &amp; 18, whence I run,<br/>N. 89° 55' W., on a true line, bet. secs. 12 &amp; 13.<br/>Over gently rolling land, desc. grad.</p> <p>31.88 Centre of A. T. &amp; S. F. RR., brs. N. 38° 16' E. &amp; S. 38° 16' W.</p> <p>33.28 Road, brs. NE. &amp; SW.</p> <p>40.01 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in<br/>the ground for <math>\frac{1}{4}</math> sec. cor., marked on brass cap,<br/><math>\frac{1}{4}</math> S. 12 in N., and<br/>S. 13 in S. half,<br/>dig pits 18x18x12 ins. E. &amp; W. of cor. 3 ft. dist., and<br/>raise a mound of earth <math>3\frac{1}{2}</math> ft. base, <math>1\frac{1}{2}</math> ft. high N. of cor.</p> <p>80.02 To cor. of secs. 11, 12, 13 &amp; 14.<br/>Land, gently rolling. Soil, 3rd rate, sandy, loose, fertile.<br/>Scattering greasewood, cacti, sage brush. Fair grass..</p>   |
|        | <p>N. 0° 1' W., bet. secs. 11 &amp; 12.<br/>Over gently undulating plain.</p> <p>40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in<br/>the ground for <math>\frac{1}{4}</math> sec. cor., marked on brass cap,<br/><math>\frac{1}{4}</math> S. 11 in W., and<br/>S. 12 in E. half,<br/>dig pits 18x18x12 ins. N. &amp; S. of cor. 3 ft. dist., and<br/>raise a mound of earth <math>3\frac{1}{2}</math> ft. base, <math>1\frac{1}{2}</math> ft. high W. of cor.</p> <p>80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in<br/>the ground for cor. of secs. 1, 2, 11 &amp; 12, marked on<br/>brass cap,<br/>T. 22 N., R. 16 W. in N. half,<br/>S. 2 in NW.,<br/>S. 1 in NE.,<br/>S. 12 in SE., and<br/>S. 11 in SW. quadrants,<br/>dig pits 18x18x12 ins. in each sec. <math>5\frac{1}{2}</math> ft. dist., and<br/>raise a mound of earth 4 ft. base, 2 ft. high W. of cor.<br/>Land, gently rolling.<br/>Soil, 3rd rate, sandy, loose, fertile.<br/>Scattering greasewood, cacti, sage brush.<br/>Coarse native bunch grass.</p>   |

## Chains.

- S. 89°55' E., on a random line, bet. secs. 1 & 12.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.02 Intersect E. bdy. of Tp. at a point 5 lks. S. of cor. of  
 secs. 1, 6, 7 & 12, whence I run,  
 N. 89°57' W., on a true line, bet. secs. 1 & 12.  
 Over smooth, open land, slightly undulating plain.  
 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. 1 in N., and  
 S. 12 in S. half,  
 dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
 raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
 80.02 To cor. of secs. 1, 2, 11 & 12.  
 Land, gently undulating.  
 Soil, 2nd & 3rd rate, sandy, loose, fertile.  
 Sparse sage brush, cacti. Good native bunch grass.

- N. 0° 1' W., on a random line, bet. secs. 1 & 2.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.96 Intersect N. bdy. of Tp. at cor. of secs. 1, 2, 35 & 36,  
 whence I run,  
 S. 0° 1' E., on a true line, bet. secs. 1 & 2.  
 Over gently undulating plain.  
 39.96 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. & S. of cor. 3 ft. dist., and  
 raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 79.96 To cor. of secs. 1, 2, 11 & 12.  
 Land, gently undulating, level.  
 Soil, 3rd rate, loose sandy.  
 Sparse sage brush, cacti. Good native grass.

April 10, 1911.

## Chains.

- April 11, 1911.  
At 8h a.m., l.m.t., at the cor. of secs. 2,3,34 & 35,  
on the S. bdy. of the Tp.,  
I set off  $8^{\circ}5'$  N. on the decl. arc, and  $35^{\circ}15'$  N. on the  
lat. arc, and determine a true meridian with the solar.  
Thence I run,  
N.  $0^{\circ}1'$  W., bet. secs. 34 & 35.  
Over gently rolling land, desc. grad.
- 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. 34 in W., and  
S. 35 in E. half,  
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in  
the ground for cor. of secs. 26,27,34 & 35, marked on  
brass cap,  
T. 22 N., R. 16 W. in N. half,  
S. 27 in NW.,  
S. 26 in NE.,  
S. 35 in SE., and  
S. 34 in SW. quadrants,  
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, 3rd rate, sandy, loose, fertile.  
Scattering greasewood, cacti, sage brush. Good grazing.
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- East, on a random line, bet. secs. 26 & 35.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.98 Intersect N. & S. line at point 5 lks. N. of cor. of  
secs. 25,26,35 & 36, whence I run,  
N.  $89^{\circ}58'$  W., on a true line, bet. secs. 26 & 35.
- 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. 26 in N., and  
S. 35 in S. half,  
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist. and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 79.98 To cor. of secs. 26,27,34 & 35.  
Land, rolling. Soil, 3rd rate, sandy, loose, fertile.  
Sparse greasewood, cacti. Good native grass.
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- N.  $0^{\circ}1'$  W., bet. secs. 26 & 27.  
Over gently undulating plain, desc. grad.
- 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 W., and  
S. 26 in E. half,  
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 77.23 Centre of A. T. & S.F. R.R., brs. N.  $38^{\circ}16'$  E. & S.  $38^{\circ}16'$  W.  
Telegraph lines parallel to RR. at 1 ch. on each side.
- 79.20 Road, brs. NE. & SW.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in  
the ground for cor. of secs. 22,23,26 & 27, marked on  
brass cap,  
T. 22 N., R. 16 W. in N. half,  
S. 22 in NW.,  
S. 23 in NE.,  
S. 26 in SE., and  
S. 27 in SW. quadrants,  
dig pits 18x18x12 ins. 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, gently undulating plain.  
Soil, 3rd rate, loose, sandy.  
Sparse greasewood, sage brush, cacti. Fair grazing.



| chains. |   |
|---------|---|
| 40.00   | S. 89°58' E., on a random line, bet. secs. 23 & 26.<br>Set temp. $\frac{1}{4}$ sec. cor.  |
| 80.00   | Intersect N. & S. line at a point 5 lks. N. of cor. of<br>secs. 23, 24, 25 & 26, whence I run,<br>N. 89°56' W., on a true line, bet. secs. 23 & 26.<br>Over gently undulating, nearly level land.   |
| 40.00   | Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in<br>the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,<br>$\frac{1}{4}$ S. 23 in N., and<br>S. 26 in S. half,<br>dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and<br>raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.  |
| 77.88   | Centre of A. T. & S. F. RR., brs. N. 38°16' E. & S. 38°16' W.   |
| 78.95   | Road, brs. NE. & SW.  |
| 80.00   | To cor. of secs. 22, 23, 26 & 27.<br>Land, gently undulating, level.<br>Soil, 2nd & 3rd rate, sandy, loose, fertile.<br>Sparse greasewood, sage brush, cacti. Good native grass.  |
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|         | N. 0° 1' W., bet. secs. 22 & 23.<br>Over gently undulating land, in valley.   |
| 40.00   | Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in<br>the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,<br>$\frac{1}{4}$ S. 22 in W., and<br>S. 23 in E. half,<br>dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and<br>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<br>the ground for cor. of secs. 14, 15, 22 & 23, marked on<br>brass cap,<br>T. 22 N., R. 16 W. in N. half,<br>S. 15 in NW.,<br>S. 14 in NE.,<br>S. 23 in SE., and<br>S. 22 in SW. quadrants,<br>dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and<br>raise a mound of earth 4 ft. base, 2 ft. high W. of cor.<br>Land, gently undulating, nearly level.<br>Soil, 3rd rate, loose, sandy, fertile. drains to NW.<br>Sparse greasewood, cacti. Good native bunch grass. |
| <hr/>   |   |
| 40.00   | S. 89°56' E., on a random line, bet. secs. 14 & 23.<br>Set temp. $\frac{1}{4}$ sec. cor.  |
| 79.98   | Intersect N. & S. line at a point 5 lks. N. of cor. of<br>secs. 13, 14, 23 & 24, whence I run,<br>N. 89°54' W., on a true line, bet. secs. 14 & 23.<br>Over gently rolling land, desc. grad.  |
| 14.81   | Centre of A. T. & S. F. R. R., brs. N. 38°16' E. & S. 38°16' W.   |
| 15.80   | Road, brs. NE. & SW., parallel to R. R.   |
| 19.25   | Wash, 25 lks. wide, course NW.  |
| 39.99   | Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in<br>the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,<br>$\frac{1}{4}$ S. 14 in N., and<br>S. 23 in S. half,<br>dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and<br>raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.  |
| 79.98   | To cor. of secs. 14, 15, 22 & 23.<br>Land, rolling, slightly.<br>Soil, 3rd rate, sandy, loose, fertile.<br>Sparse greasewood, cacti.<br>Good native bunch grass.<br>At this cor. at noon, <del>1. m. t.</del> , I set off 8° 8' N. on the<br>decl. arc, and observe the sun on the meridian.<br>The resulting lat. is 35°18' N.   |

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Chains.

N. 0° 1' W., bet. secs. 14 & 15.  
 Over gently undulating valley or 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. 15 in W., and S. 14 in E. half, dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$  ft. dist., and raise a mound of earth 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high W. of cor.  
 60.00 Wash course NE. Centre of drainage  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 10, 11, 14 & 15, marked on brass cap, T. 22 N., R. 16 W. in N. half, S. 10 in NW., S. 11 in NE., S. 14 in SE., and S. 15 in SW. quadrants, dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$  ft. dist., and raise a mound of earth 4 $\frac{1}{2}$  ft. base, 2 ft. high W. of cor.  
 Land, gently rolling.  
 Soil, 3rd rate, sandy, loose, dry.  
 Sparse sage brush, greasewood, cacti. Good native grass.

S. 89° 54' E., on a random line, bet. secs. 11 & 14.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.98 Intersect N. & S. line at point 9 lks. S. of cor. of secs. 11, 12, 13 & 14, whence I run, N. 89° 58' W., on a true line, bet. secs. 11 & 14.  
 Over gently undulating plain, nearly level.  
 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. 11 in N., and S. 14 in E. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high N. of cor.  
 72.00 Small drain or arroyo, 10 lks. wide, course N. 30° E., centre of drainage of valley.  
 79.98 To cor. of secs. 10, 11, 14 & 15.  
 Land, rolling, level.  
 Soil, 3rd rate, sandy, loose, with a little clay.  
 Sparse undergrowth, sage brush, cacti. Good grazing.

N. 0° 1' W., bet. secs. 10 & 11.  
 Over level valley, drains to NNE.  
 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. & S. of cor. 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high W. of cor.  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 2, 3, 10 & 11, marked on brass cap, T. 22 N., R. 16 W. in N. half, S. 3 in NW., S. 2 in NE., S. 11 in SE., and S. 10 in SW. quadrants, dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
 Land, level, smooth and open.  
 Soil, 3rd rate, sandy, some clay, heavy, fertile.  
 Sparse sage brush, greasewood, cacti. Fair grazing.

## Chains.

- S.  $89^{\circ}58'$  E., on a random line, bet. secs. 2 & 11.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.96 Intersect N. & S. line at cor. of secs. 1, 2, 11 & 12, whence I run,  
 N.  $89^{\circ}58'$  W., on a true line, bet. secs. 2 & 11.  
 Over gently undulating valley, nearly level, drains N.  
 39.98 Cor. point for  $\frac{1}{4}$  sec. cor. falls in arroyo, 50 lks. wide, course NNE, centre of drainage of valley.  
 40.98 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.  $\frac{1}{4}$  E. of centre  
 S. 2 in NW., and  
 S. 11 in SW. quadrants,  
 dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
 79.96 The cor. of secs. 2, 3, 11 & 12 raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Land, rolling slightly. level.  
 Soil, 3rd rate, sandy, some clay, heavy.  
 Sparse sage brush, cacti. Sparse grass.
- 
- N.  $0^{\circ}1'$  W., on a random line, bet. secs. 2 & 3.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.90 Intersect N. bdy. of Tp. at a point 2 lks. E. of cor. of secs. 2, 3, 34 & 35, whence I run,  
 S.  $0^{\circ}2'$  E., on a true line, bet. secs. 2 & 3.  
 Over gently undulating plain, nearly level, drains to NNE.  
 39.90 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. & S. of cor. 3 ft. dist., and  
 79.90 The cor. of secs. 2, 3, 11 & 12 raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Land, level. drains to NE. & NNE.  
 Soil, 2nd & 3rd rate, sandy, some clay, heavily, fertile.  
 Sparse sage brush, cacti. Fair grass in places.  
 April 11, 1911.

Chains.

April 12, 1911.  
 At 8h a.m., l.m.t., at the cor. of secs. 3, 4, 33 & 34,  
 on the S. bdy. of the Tp.,  
 I set off 8° 27' N. on the decl. arc, and 35° 15' N. on the  
 lat. arc, and determine a true meridian with the solar.  
 Thence I run,  
 N. 0° 2' W., bet. secs. 33 & 34.  
 Over gently rolling land, desc. grad.  
 .92 Road, from Berry Station to Frost's ranch, brs. NNW. & SSE.  
 36.00 Section house at Berry siding, brs. West, about 15 chs.  
 dist.  
 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. & S. of cor. 3 ft. dist., and  
 raise a mound of earth 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high W. of cor.  
 54.60 Telegraph line, parallel to R.R.  
 56.00 Centre of A. T. & S. F. R.R., brs. N. 38° 16' E. & S. 38° 16' W.  
 57.00 NE. End of Berry sidetrack, brs. N. 38° 16' E. 250 lks. dist.,  
 centre of siding.  
 57.40 Telegraph line, parallel to R.R.  
 57.80 Road, brs. NE. & SW., parallel to R.R.  
 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 & 34, marked on  
 brass cap, T. 22 N., R. 16 W. in N. half,  
 S. 28 in NW.,  
 S. 27 in NE.,  
 S. 34 in SE., and  
 S. 33 in SW. quadrants,  
 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, 3rd rate, loose, sandy,  
 Scattering greasewood, cacti, sage brush. Fair grass.

East, on a random line, bet. secs. 27 & 34.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.04 Intersect N. & S. line at a point 2 $\frac{1}{2}$  lks. N. of cor. of  
 secs. 26, 27, 34 & 35, whence I run,  
 N. 89° 59' W., on a true line, bet. secs. 27 & 34.  
 Over gently undulating valley, desc. grad.  
 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. 27 in N., and  
 S. 34 in S. half,  
 dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
 raise a mound of earth 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high N. of cor.  
 61.10 Centre of A. T. & S. F. R.R., brs. N. 38° 16' E. & S. 38° 16' W.  
 Telegraph lines parallel to RR. on each side of track,  
 at 87 lks. from track.  
 62.70 Road, brs. NE. & SW. parallel to R.R.  
 80.04 To cor. of secs. 27, 28, 33 & 34.  
 Land, gently rolling. Soil, 3rd rate, sandy, loose, fertile.  
 Sparse sage brush, greasewood, tesseta. Good grass.

N. 0° 2' W., bet. secs. 27 & 28.  
 Over gently undulating plain, drainage to 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. 28 in W., and  
 S. 27 in E. half,  
 dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and  
 raise a mound of earth 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high W. of cor.  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in  
 the ground for cor. of secs. 21, 22, 27 & 28, marked on  
 brass cap, T. 22 N., R. 16 W. in N. half,  
 S. 21 in NW., S. 22 in NE., S. 27 in SE., and S. 28 in SW.  
 quadrants, Dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$  ft. dist. &

## Chains.

raise a mound of earth 24 ft. base, 2 ft. high W. of cor. Land, gently rolling, nearly level, drains to N. Soil, 3rd rate, sandy, loose, fertile. Sparse greasewood, sage brush. Good native grass.

- 40.00 S.  $89^{\circ}59'$  E., on a random line, bet. secs. 22 & 27.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 80.02 Intersect N. & S. line at a point 5 lks. N. of cor. of secs. 22, 23, 26 & 27, whence I run, N.  $89^{\circ}57'$  W., on a true line, bet. secs. 22 & 27. Over gently undulating plains, desc. slightly.
- 30.00 Wash, 25 lks. wide, course N.  $30^{\circ}$  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. 22 in N., and S. 27 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 80.02 To cor. of secs. 21, 22, 27 & 28. Land, gently undulating. Soil, 3rd rate, loose, sandy, gravelly. Sparse greasewood, cacti, sage brush. Good native grass.
- N.  $0^{\circ}2'$  W., bet. secs. 21 & 22. Over nearly level land, drainage to NE.; heavy clayey soil.
- 32.70 Wash, 20 lks. wide, centre of drainage in valley, course N.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. 21 in W., and S. 22 in E. half, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 15, 16, 21 & 22, marked on brass cap, T. 22 N., R. 16 W. in N. half, S. 16 in NW., S. 15 in NE., S. 22 in SE., and S. 21 in SW. quadrants, 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 undulating, level. Soil, 3rd rate, clayey. Sparse sage brush, cacti. Fair grass in places.
- S.  $89^{\circ}57'$  E., on a random line, bet. secs. 15 & 22.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.04 Intersect N. & S. line at a point 5 lks. N. of cor. of secs. 14, 15, 22 & 23, whence I run, N.  $89^{\circ}55'$  W., on a true line, bet. secs. 15 & 22. Over gently undulating land, desc. slightly.
- 39.70 Wash, 35 lks. wide, course NE., centre of drainage in valley
- 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. & W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 80.04 To cor. of secs. 15, 16, 21 & 22. Land, gently undulating, nearly level. Soil, 3rd rate. clayey, sandy, heavy, fertile. Sparse grass or undergrowth. At this cor. at noon, ~~1.11.11.~~ I set off  $8^{\circ}30'$  N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is  $35^{\circ}17\frac{1}{2}'$  N.

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40.00 N. 0° 2' W., bet. secs. 15 & 16.  
Over level plain, drains to East.  
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  $\frac{1}{4}$  S. 15 in E. half, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 9, 10, 15 & 16, marked on brass cap,  
T. 22 N., R. 16 W. in N. half,  
S. 9 in NW.,  
S. 10 in NE.,  
S. 15 in SE., and  
S. 16 in SW. quadrants,  
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 undulating, level. drains to E. & ENE.  
Soil, 2nd & 3rd rate, sandy, clayey, heavy, fertile, moist.  
Sparse sage brush, cacti. Fair grass in places.

40.00 S. 89° 55' E., on a random line, bet. secs. 10 & 15.  
Set temp.  $\frac{1}{4}$  sec. cor.

80.06 Intersect N. & S. line at a point 5 lks. S. of cor. of secs. 10, 11, 14 & 15, whence I run,  
N. 89° 57' W., on a true line, bet. secs. 10 & 15.  
Over nearly level valley, drainage to NE.

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. 10 in N., and  $\frac{1}{4}$  S. 15 in S. half,  
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

80.06 To cor. of secs. 9, 10, 15 & 16.  
Land, gently undulating, level.  
Soil, 3rd rate, sandy, clayey, heavy, moist, fertile.  
Sparse greasewood, cacti, sage brush. Good native grass.

40.00 N. 0° 2' W., bet. secs. 9 & 10.  
Over gently undulating plain, drainage to NE.  
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  $\frac{1}{4}$  S. 10 in E. half,  
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

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 & 10, marked on brass cap,  
T. 22 N., R. 16 W. in N. half,  
S. 4 in NW.,  
S. 3 in NE.,  
S. 10 in SE., and  
S. 9 in SW. quadrants,  
dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base, 2 ft. high W. of cor.  
Land, gently undulating, level,  
Soil, 3rd rate, sandy, clayey, heavy, fertile.  
Scattering sage brush, cacti. Good bunch grass.

- Chains.
- 40.00 S.  $89^{\circ}57'$  E., on a random line, bet. secs. 3 & 10.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 80.06 Intersect N. & S. line at a point 2 lks. S. of cor. of  
sec. 2, 3, 10 & 11, whence I run,  
N.  $89^{\circ}58'$  W., on a true line, bet. secs. 3 & 10.  
Over gently rolling land, asc. grad.
- 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. 3 in N., and  
S. 10 in S. half,  
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 80.06 To cor. of secs. 3, 4, 9 & 10.  
Land, gently rolling.  
Soil, 3rd rate, sandy, gravelly, some clay, fertile.  
Sparse sage brush, greasewood, cacti.  
Good native bunch grass.
- 
- 40.00 N.  $0^{\circ}2'$  W., on a random line, bet. secs. 3 & 4.  
Set temp.  $\frac{1}{4}$  sec. cor.,
- 79.85 Intersect N. bdy. of Tp. at a point 2 lks. W. of cor. of  
secs. 3, 4, 33 & 34, whence I run,  
S.  $0^{\circ}1'$  E., on a true line, bet. secs. 3 & 4.  
Over gently undulating valley, drains to NE.
- 39.85 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. & S. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 79.85 To cor. of secs. 3, 4, 9 & 10.  
Land, gently rolling.  
Soil, 2nd & 3rd rate, sandy, clayey, some gravel in places.  
Scattering greasewood, cacti, sage brush.  
Fair native grass.
- April 12, 1911.

## Chains.

April 13, 1911.

At 8h a.m., l.m.t., at the cor. of secs. 4, 5, 32 & 33,  
on the S. bdy. of Tp.,

I set off  $8^{\circ}49'$  N. on the decl. arc, and  $35^{\circ}15'$  N. on the  
lat. arc, and determine a true meridian with the solar.

Thence I run,

N.  $0^{\circ}3'$  W., bet. secs. 32 & 33.

Over gently rolling land, desc. slightly, drainage 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. 32 in W., and  
S. 33 in E. half,

dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

61.50 Road, brs. ESE. & WNW.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in  
the ground for cor. of secs. 28, 29, 32 & 33, marked on  
brass cap,

T. 22 N., R. 16 W. in N. half,

S. 29 in NW.,

S. 28 in NE.,

S. 33 in SE., and

S. 32 in SW. quadrants,

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, 3rd rate, sandy, gravelly,  
Scattering greasewood, sage brush, cacti. Good native  
grass.

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

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

80.02 Intersect N. & S. line at cor. of secs. 27, 28, 33 & 34,  
whence I run,

West, on a true line, bet. secs. 28 & 33.

Over nearly level valley.

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. 28 in N., and

S. 33 in S. half,

dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

46.18 Road, brs. NW. & SE.

80.02 To cor. of secs. 28, 29, 32 & 33.

Land, gently undulating, level.

Soil, 3rd rate, sandy, loose, some clay, fertile.

Scattering greasewood, cacti, sage brush. Good grass.

N.  $0^{\circ}3'$  W., bet. secs. 28 & 29.

Over gently undulating plain, level in places.

20.00 Dim road, brs. NW. & 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. 29 in W., and

S. 28 in E. half,

dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and  
raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

42.25 Wash, 20 lks. wide, 4 ft. deep, course NE., centre of drainage.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in  
the ground for cor. of secs. 20, 21, 28 & 29, marked on  
brass cap,

T. 22 N., R. 16 W. in N. half,

S. 20 in NW.,

S. 21 in NE.,

S. 28 in SE., and

S. 29 in SW. quadrants,

dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and  
raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level. Soil, 2nd & 3rd rate, sandy, some clay.

Scattering greasewood, sage brush, cacti. Fair grass.



## Chains.

- East, on a random line, bet. secs. 21 & 28.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.00 Intersect N. & S. line at point 2 lks. N. of cor. of secs. 21, 22, 27 & 28, whence I run, N.  $89^{\circ}59'$  W., on a true line, bet. secs. 21 & 28. Over nearly level valley, drains to 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. 21 in N., and S. 28 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 41.15 Wash, 20 lks. wide, course ENE.
- 50.00 Wash, 20 lks. wide, course ENE., in centre of valley.
- 80.00 To cor. of secs. 20, 21, 28 & 29.  
Land, level.  
Soil, 3rd rate, sandy, clayey, heavy, fertile.  
Sparse sage brush, greasewood, and bunch grass.

- N.  $0^{\circ}3'$  W., bet. secs. 20 & 21.  
Over level valley, drainage to ENE.
- 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. & S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 16, 17, 20 & 21, marked on brass cap,  
T. 22 N., R. 16 W. in N. half,  
S. 17 in NW.,  
S. 16 in NE.,  
S. 21 in SE., and  
S. 20 in SW. quadrants,  
dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.  
Land, level, slightly undulating.  
Soil, 3rd rate, sandy, clayey, heavy, fertile.  
Sparse sage brush, and bunch grass.

- S.  $89^{\circ}59'$  E., on a random line, bet. secs. 16 & 21.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.00 Intersect N. & S. line at point  $2\frac{1}{2}$  lks. S. of cor. of secs. 15, 16, 21 & 22, whence I run, West, on a true line, bet. secs. 16 & 21. Over gently undulating plain, asc. slightly.
- 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 N., and S. 21 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 80.00 To cor. of secs. 16, 17, 20 & 21.  
Land, slightly undulating, drains to NE.  
Soil, 2nd & 3rd rate, sandy, clayey, heavy, fertile.  
Sparse sage brush, greasewood, cacti, bunch grass.  
At this cor. at noon, 1.m.t., I set off  $8^{\circ}52'$  N. on the decl. arc, and observe the sun on the meridian.  
The resulting lat. is  $35^{\circ}17\frac{1}{2}'$  N.

## Chains.

- N. 0° 3' W., bet. secs. 16 & 17.  
Over gently undulating plain, drainage to 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. 17 in W., and  
S. 16 in E. half,  
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 8, 9, 16 & 17, marked on brass cap,  
T. 22 N., R. 16 W. in N. half,  
S. 8 in NW.,  
S. 9 in NE.,  
S. 16 in SE., and  
S. 17 in SW. quadrants,  
dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.  
Land, level, gently undulating.  
Soil, 3rd rate, sandy, some clay, heavy in places, fertile.  
Sparse sage brush, cacti, Fair bunch grass.
- 
- East, on a random line, bet. secs. 9 & 16.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.98 Intersect N. & S. line at a point 9 lks. S. of cor. of secs. 9, 10, 15 & 16, whence I run,  
S. 89° 56' W., on a true line, bet. secs. 9 & 16.  
Over gently undulating plain, drainage to 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. 9 in N., and  
S. 16 in S. half,  
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 79.98 To cor. of secs. 8, 9, 17 & 16.  
Land, gently undulating.  
Soil, 2nd & 3rd rate, sandy, clayey, heavy in places.  
Scattering greasewood, cacti. Good native grass.
- 
- N. 0° 3' W., bet. secs. 8 & 9.  
Over slightly undulating plain, asc. slightly,  
drainage to E.
- 19.00 Small wash, course 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. 8 in W., and  
S. 9 in E. half,  
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 8 & 9, marked on brass cap,  
T. 22 N., R. 16 W. in N. half,  
S. 5 in NW.,  
S. 4 in NE.,  
S. 9 in SE., and  
S. 8 in SW. quadrants,  
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 undulating, level.  
Soil, 3rd rate, loose, sandy, some clay, fertile.  
Sparse greasewood, cacti. Good native grass.

- Chains.
- 40.00 N.  $89^{\circ}56'$  E., on a random line, bet. secs. 4 & 9.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 79.96 Intersect N. & S. line at a point 14 lks. N. of cor. of  
secs. 3, 4, 9 & 10, whence I run,  
N.  $89^{\circ}58'$  W., on a true line, bet. secs. 4 & 9.  
Over nearly level valley.
- 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 N., and  
S. 9 in S. half,  
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 79.96 To cor. of secs. 4, 5, 8 & 9.  
Land, gently undulating, level, drains to E.  
Soil, 3rd rate, sandy, gravelly.  
Sparse greasewood, sage brush, cacti. Good native grass.
- 
- 40.00 N.  $9^{\circ}2'$  W., on a random line, bet. secs. 4 & 5.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 79.75 Intersect N. bdy. of Tp. at cor. of secs. 4, 5, 32 & 33,  
whence I run,  
S.  $9^{\circ}2'$  E., on a true line, bet. secs. 4 & 5.  
Over gently undulating plain, drainage to E.
- 30.58 Road, Kingman to Thompson's ranch, and Music Mountain  
mine, bds. NE. & SW.
- 39.75 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. & S. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 79.75 To cor. of secs. 4, 5, 8 & 9.  
Land, gently undulating.  
Soil, 2nd & 3rd rate, sandy, loamy.  
Scattering greasewood, cacti, sage brush.  
Good native grass.

April, 13, 1911.

## Chains

- April 14, 1911.  
At 8h a.m., l.m.t., at the cor. of secs. 5, 6, 31 & 32,  
on the S. bdy. of Tp.,  
I set off  $9^{\circ} 10' N.$  on the decl. arc, and  $35^{\circ} 15' N.$  on the  
lat. arc, and determine a true meridian with the solar.  
Thence I run,  
N.  $0^{\circ} 3' W.$ , bet. secs. 31 & 32.  
Over gently rolling plain, desc. slightly, land drains  
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. 31 in W., and  
S. 32 in E. half,  
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 53.50 Wash, 80 lks. wide, course  $N. 70^{\circ} E.$
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in  
the ground for cor. of secs. 29, 30, 31 & 32, marked on  
brass cap,  
T. 22 N., R. 16 W. in N. half,  
S. 30 in NW.,  
S. 29 in NE.,  
S. 32 in SE., and  
S. 31 in SW. quadrants,  
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, 3rd rate, sandy, gravelly loam.  
Scattering greasewood, sage brush, cacti. Good grass.
- 
- East, on a random line, bet. secs. 29 & 32.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.98 Intersect N. & S. line at point 2 lks. N. of cor. of  
secs. 28, 29, 32 & 33, whence I run,  
N.  $89^{\circ} 59' W.$ , on a true line, bet. secs. 29 & 32.  
Over gently undulating plain, drainage to 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. 29 in N., and  
S. 32 in S. half,  
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 47.50 Road, dir. brs. ESE. & WNW.
- 53.00 Wash, 60 lks. wide, course NE.
- 56.75 Wash, 20 lks. wide, course NE.
- 79.98 To cor. of secs. 29, 30, 31 & 32.  
Land, gently undulating, level.  
Soil, 3rd rate, sandy, gravelly, some clay, fertile.  
Sparse greasewood, cacti, good native grass.
- 
- West, bet. secs. 30 & 31.
- Over gently undulating plain, asc. slightly, drains 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. 30 in N., and  
S. 31 in S. half,  
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 118.00 Telephone line, Kingman to Stockton Hill, brs. NW. & SW.  
in turn.
- 119.00 Road, Kingman to Stockton Hill, brs. NNW. & SSE., near turn.
- 125.00 Leave valley, brs. NE. & SW., asc. point of spur.
- 129.60 Intersect East bdy. of T. 22 N., R. 17 W. at a point,  
whence the cor. of secs. 25 & 36, on said bdy.,  
brs. North, 26.40 chs. dist., as heretofore  
re-established and described by me.  
At the point of intersection, I

## Chains.

Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 30 & 31, marked on brass cap,

C.C., E. of centre.

S. 25, S. 36, R. 17 W. in W., and

T. 22 N. in N. half,

S. 30, in NE., and

S. 31, R. 16 W. in SE. quadrants,

raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor. Land, gently rolling.

Soil, 3rd rate, sandy, gravelly.

Scattering greasewood, cacti. Good native grass.

N.  $0^{\circ} 3'$  W., bet. secs. 29 & 30.

Over gently rolling, or undulating valley, drainage NE. asc. gently.

13.50 Road, brs. ESE. & WNW.

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,

dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 19, 20, 29 & 30, marked on brass cap,

T. 22 N., R. 16 W. in N. half,

S. 19 in NW.,

S. 20 in NE.,

S. 29 in SE., and

S. 30 in SW. quadrants,

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, 3rd rate, sandy, gravelly.

Scattering greasewood, cacti, few mesquite, good grass.

S.  $89^{\circ} 59'$  E., on a random line, bet. secs. 20 & 29.

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

80.04 Intersect N. & S. line at a point  $2\frac{1}{2}$  lks. S. of cor. of secs. 20, 21, 28 & 29, whence I run,

West, on a true line, bet. secs. 20 & 29.

Over gently undulating valley or plain, drains to SE.

20.95 Old road, brs. NW. & SE.

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. 20 in N., and

S. 29 in S. half,

dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

80.04 To cor. of secs. 19, 20, 29 & 30.

Land, gently rolling.

Soil, 3rd rate, sandy, gravelly, loose, clayey in places.

Scattering greasewood, cacti. Good native grass.

At this cor. at noon, ~~1. m. t.~~, I set off  $9^{\circ} 13'$  N. on the decl. arc, and observe the sun on the meridian.

The resulting lat. is  $35^{\circ} 17'$  N.

## Chains.

- West, bet. secs. 19 & 30.  
Over gently rolling valley, asc. grad.
- 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 N., and  
S. 30 in S. half,  
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 129.52 Intersect East bdy. of T. 22 N., R. 17 W. at a point, whence the cor. of secs. 24 & 25, on said bdy., as re-established by me, and heretofore described, brs. North, 26.45 chs. dist.  
At the point of intersection, I  
Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 19 & 30, marked on brass cap,  
C.C., on E. of centre,  
T. 22 N. in N., and  
S. 24, S. 25, R. 17 W. in W. half,  
S. 19 in NE., and  
S. 30, R. 16 W. in SE. quadrants,  
raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.  
Land, rolling slightly.  
Soil, 3rd rate, sandy, clayey, fertile.  
Scattering greasewood, cacti. Good native grass.
- 
- N.  $0^{\circ} 3'$  W., bet. secs. 19 & 20.  
Over gently undulating valley, drains 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. 19 in W., and  
S. 20 in E. half,  
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 41.20 Wash, 10 lks. wide, course 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 & 20, marked on brass cap, T. 22 N., R. 16 W. in N. half,  
S. 18 in NW.,  
S. 17 in NE.,  
S. 20 in SE., and  
S. 19 in SW. quadrants,  
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, 3rd rate, sandy, gravelly.  
Sparse greasewood, cacti, sage brush. Fair native grass.
- 
- East, on a random line, bet. secs. 17 & 20.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.00 Intersect N. & S. line at a point  $2\frac{1}{2}$  lks. S. of cor. of secs. 16, 17, 20 & 21, whence I run,  
S.  $89^{\circ} 59'$  W., on a true line, bet. secs. 17 & 20.  
Over gently undulating plain, drains to ESE.
- 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. & W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 58.10 Old road, brs. NNE. & SSW.
- 80.00 To cor. of secs. 17, 18, 19 & 20.  
Land, gently rolling.  
Soil, 3rd rate, sandy, gravelly, clayey in places.  
Sparse cacti, sage brush, Fair native grass. Apr. 14, 1911.
- 
- April 15, 1911.  
At 8h a.m., l.m.t., at the cor. of secs. 17, 18, 19 & 20,  
I set off  $9^{\circ} 32'$  N. on the decl. arc, and  $35^{\circ} 17\frac{1}{2}'$  N. on the lat. arc, and determine a true meridian with the solar.,

Chains. Thence I run,  
West, bet. secs. 18 & 19.  
Over gently rolling, land, asc. slightly.  
37.30 Old road, brs. NNW. & SSE.  
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 N., and  
S. 19 in S. half,  
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
127.00 Small wash, course ESE.  
129.40 Intersect East bdy. of T. 22 N., R. 17 W., at a point  
whence the cor. of secs. 13 & 24, of said bdy., as  
re-established by me, and heretofore described,  
brs. North, 24.75 chs. dist.  
At the point of intersection, I  
Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in  
the ground for closing cor. of secs. 18 & 19, marked on  
brass cap,  
C.C., E. of centre,  
T. 22 N. in N., and  
S. 13, S. 24, R. 17 W. in W. half,  
S. 18 in NE., and  
S. 19, R. 16 W. in SE., quadrants,  
raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.  
Land, gently rolling. Soil, 3rd rate, sandy, clayey, fertile.  
Sparse cacti, sage brush. Fair native grass.

N.  $0^{\circ} 3'$  W., bet. secs. 17 & 18.  
Over gently rolling valley or plain, drainage to E.  
36.27 Old road, brs. NW. & 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. 18 in W., and  
S. 17 in E. half,  
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in  
the ground for cor. of secs. 7, 8, 17 & 18, marked on  
brass cap,  
T. 22 N., R. 16 W. in N. half,  
S. 7 in NW.,  
S. 8 in NE.,  
S. 17 in SE., and  
S. 18 in SW. quadrants,  
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, 3rd rate, sandy, gravelly.  
Sparse greasewood, cacti, sage brush. Good native grass.

N.  $89^{\circ} 59'$  E., on a random line, bet. secs. 8 & 17.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.04 Intersect N. & S. line at a point  $2\frac{3}{4}$  lks. N. of cor. of  
secs. 8, 9, 16 & 17, whence I run,  
West, on a true line, bet. secs. 8 & 17.  
Over gently undulating plain, asc. grad.  
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. 8 in N., and  
S. 17 in S. half,  
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
53.00 Old road, brs. N. & S.  
80.04 To cor. of secs. 7, 8, 17 & 18.  
Land, gently undulating.  
Soil, 3rd rate, sandy, gravelly, loamy, loose, fertile.  
Scattering greasewood, cacti, sage brush. Fair grass.

- Chains.
- West, bet. secs. 7 & 18.  
Over gently rolling valley asc. grad.
- 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 N., and  
S. 18 in S. half,  
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 128.60 Intersect East bdy. of T. 22 N., R. 17 W. at a point whence the cor. of secs. 12 & 13, on said bdy., brs. N.  $0^{\circ} 42'$  E., 24.65 chs. dist., as re-established by me, and heretofore described.  
At the point of intersection, I  
Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 7 & 18, marked on brass cap,  
C.C., E. of centre,  
T. 22 N. in N., and  
S. 12, S. 13, R. 17 W. in W. half,  
S. 7, in NE., and  
S. 18 in SE. quadrants,  
dig pits 24x18x12 ins, crosswise on each line, N. & S. 3 ft., and E. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high E. of cor.
- Land, rolling.  
Soil, 3rd rate, sandy, loamy, gravelly, loose, fertile.  
Sparse greasewood, cacti, sage brush. Good native grass.
- 
- N.  $0^{\circ} 3'$  W., bet. secs. 7 & 8.  
Over gently rolling land, asc. grad.
- 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. & S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 5, 6, 7 & 8, marked on brass cap,  
T. 22 N., R. 16 W. in N. half,  
S. 6 in NW.,  
S. 5 in NE.,  
S. 8 in SE., and  
S. 7 in SW. quadrants,  
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, 3rd rate, sandy, gravelly, loose, fertile.  
Sparse greasewood, cacti. Good native bunch grass.  
At this cor. at noon, ~~1. m. t.~~, I set off  $9^{\circ} 35'$  N. on the decl. arc, and observe the sun on the meridian.  
The resulting lat. is  $35^{\circ} 19'$  N. ✓
- 
- East, on a random line, bet. secs. 5 & 8.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.02 Intersect N. & S. line at a point 7 lks. N. of cor. of secs. 4, 5, 8 & 9, whence I run,  
N.  $39^{\circ} 57'$  W., on a true line, bet. secs. 5 & 8.  
Over gently rolling valley, asc. grad.
- 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. 5 in N., and  
S. 8 in S. half,  
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 45.00 Old road, brs. NNE. & SSW.
- 80.02 To cor. of secs. 5, 6, 7 & 8.  
Land, rolling. Soil, 3rd rate, sandy. Fair grass.



Chains.

West, bet. secs. 6 & 7.  
 Over gently undulating valley, asc. grad.  
 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. 6 in W., and  
 S. 7 in S. half,  
 dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and  
 raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
 108.00 Wash, 50 lks. wide, course SE.  
 128.18 Intersect East bdy. of T. 22 N., R. 17 W. at a point  
 whence the cor. of secs. 1 & 12, on said bdy.,  
 brs. N.  $0^{\circ} 9'$  E., 24.65 chs. dist., as re-established  
 by me, and heretofore described.  
 At the point of intersection, I  
 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in  
 the ground for closing cor. of secs. 6 & 7, marked on  
 brass cap,  
 C.C., E. of centre.,  
 T. 22 N. in N., and  
 S. 1, S. 12, R. 17 W. in W. half,  
 S. 6 in NE., and  
 S. 7, R. 16 W. in SE. quadrants,  
 dig pits 24x18x12 ins., crosswise on each line,  
 N. & S. 3 ft., and E. of cor. 7 ft. dist., and  
 raise a mound of earth 4 ft. base, 2 ft. high E. of cor.  
 Land, gently rolling. Soil, 2nd & 3rd rate, sandy, loose.  
 Scattering greasewood, cacti, sage brush. Fair grass.

N.  $0^{\circ} 3'$  W., bet. secs. 5 & 6, on a random line.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.60 Intersect N. bdy. of Tp. at cor. of secs. 5, 6, 31 & 32,  
 whence I run,  
 S.  $0^{\circ} 3'$  E., on a true line, bet. secs. 5 & 6.  
 Over gently undulating plain, or valley, desc. grad.  
 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. 6 in W., and  
 S. 5 in E. half,  
 dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and  
 raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 79.60 To cor. of secs. 5, 6, 7 & 8.  
 Land, rolling.  
 Soil, 3rd rate, sandy, gravelly, loose, fertile.  
 Sparse sage brush, cacti. Good native bunch grass.  
 April 15, 1911.

#### General Description.

T. 22 N., R. 16 W. is gently rolling, or level, valley.  
 The soil in the SE. & NW. portions is sandy or  
 gravelly, with a little clay in places.  
 The soil in the NE., SW., and central portions is  
 loamy, and heavy with clay in places, with some  
 sand and gravel. All of the land in the Tp. is fertile,  
 and would produce well if irrigated.  
 There is no water or timber in the Tp.  
 The indications are that water could be developed  
 at comparatively slight depth, or from 40 to 80 ft.  
 in the middle of the valley.  
 There are no settlers in the Tp., nor any trace of  
 occupation of the land anywhere.  
 The land is covered throughout the Tp. with a fair  
 growth of native grass, profuse in places.

*Jesse B. Wright*  
 U. S. Surveyor.

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BOOK 2309

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

*Phoenix Ariz March 25, 1912*

The foregoing field notes of the survey of *the subdivisions of T22N. R16W,*  
*G&SR Meridian Arizona*

executed by *Jose B Wright* U.S. Surveyor  
under his special instructions dated *Sept. 16*, 191*0*, 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. Lyall*  
U. S. Surveyor General.