

Book 2312 BOOK 2312
FIELD NOTES

OF THE SURVEY OF THE

2312

Subdivisional Lines of T 23 N. R 16 W

2312

Of the G. S. P. Meridian,

In the State of Territory of Arizona

EXECUTED BY

Jesse B. Wright

In the capacity of U. S. Surveyor, under instructions dated Sept. 1, 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, 1899

Survey commenced April 23, 1911

Survey completed April 29, 1911

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For details see Book B.

Book No. 2312

BOOK 2312

INDEX DIAGRAM.

Township 73 N, Range 16 W.

6	24	5	17	4	3	9	2	5	1	
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Note:

For N. 1/2 W. Bdr. see Book A group 10
 " D. 1/2 E. " " " " " " " 10.

Chains.

Survey commenced April 23, 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 finding same in correct adjustment as to tests: 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. $35^{\circ}20'02''$ N., long. $113^{\circ}56'40''$ W.,

I set off $12^{\circ}25'$ N. on the decl. arc, and $35^{\circ}20'$ 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 5h 29m p.m., l.m.t., I observe Polaris at E. elongation, in accordance with instructions 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 23, 1911.

April 24, 1911.

At 7h 45m a.m., l.m.t., I set off the azimuth of Polaris, $1^{\circ}26''$ to the West, and mark the true meridian thus determined by a tack in the stake 5 chs. N. of my station, which point falls .55 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 $12^{\circ}39'$ N. on the decl. arc, and $35^{\circ}20'$ 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 $18''$ E. & $15''$ 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,

Chains.		
	<p>N. 0° 1' W., bet. secs. 35 & 36. Over gently undulating plain, drains to NE., through sparse greasewood, cacti, sage brush, native bunch grass.</p>	
4.82	Wash, 20 lks. wide, course NE., centre of drainage of valley.	
40.00	<p>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,</p>	
80.00	<p>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. 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,</p>	
	<p>T. 23 N., R. 16 W. in N. half, S. 26 in NW., S. 25 in NE., S. 36 in SE., and S. 35 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, slightly undulating. Soil, 2nd & 3rd rate, sandy, clayey, loamy, heavy, fertile. Sparse sage brush, cacti, greasewood. Fair grass.</p>	
40.00	<p>East, on a random line, bet. secs. 25 & 36. Set temp. $\frac{1}{4}$ sec. cor.</p>	
80.02	<p>Intersect N. & S. line at point 7 lks. S. of cor. of secs. 25, 30, 31 & 36, whence I run, S. 89° 57' W., on a true line, bet. secs. 25 & 36. Over level valley.</p>	
40.01	<p>Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S. 25 in N., and S. 36 in S. half,</p>	
80.02	<p>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. To cor. of secs. 25, 26, 35 & 36. Land, level. Soil, 3rd rate, sandy, clayey, stiff, heavy, fertile. Sparse sage brush, cacti, native grass.</p>	
40.00	<p>N. 0° 1' W., bet. secs. 25 & 26. Over level valley, drains to NE.</p>	
80.00	<p>Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S. 26 in W., and S. 25 in E. half,</p>	
80.00	<p>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. 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,</p>	
	<p>T. 23 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. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, level, drains to NE. Soil, 2nd & 3rd rate, sandy, clayey, loamy, heavy, fertile. Sparse sage brush, cacti. Good native bunch grass.</p>	

Chains.

- N. 89° 57' E., on a random line, bet. secs. 24 & 25.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect E. bdy. of Tp. at a point 5 lks. S. of cor. of secs. 19, 24, 25 & 30, whence I run, S. 89° 55' W., on a true line, bet. secs. 24 & 25.
Over level valley or plain, drainage to E.
- 40.03 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., 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. & 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. 23, 24, 25 & 26.
Land, level.
Soil, 2nd & 3rd rate, sandy, clayey loamy, fertile.
Sparse sage brush, native bunch grass.

- N. 0° 1' W., bet. secs. 23 & 24.
Over level grassy plain, asc. slightly, 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. 23 in W., and $\frac{1}{4}$ 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. 23 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, level, slightly undulating.
Soil, sandy, gravelly, 2nd & 3rd rate, fertile.
Sparse sage brush, good native grass, few cacti.

- N. 89° 55' E., on a random line, bet. secs. 13 & 24.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect East bdy. of Tp. at a point 7 lks. N. of cor. of secs. 13, 18, 19 & 24, whence I run, S. 89° 58' W., on a true line, bet. secs. 13 & 24.
Over gently rolling land, 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. 13 in N., and $\frac{1}{4}$ 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.
- 80.04 To cor. of secs. 13, 14, 23 & 24.
Land, gently rolling.
Soil, 3rd rate, gravelly, loose.
Sparse sage brush, cacti. Good native grass.

- N. 0° 1' W., bet. secs. 13 & 14.
Over rolling land, drains to SW., asc. grad.
- 4.00 Old road, brs. ENE. & WSW.
- 25.00 Asc. steeper.
- 36.50 Gulch, 30 lks. wide, course SW., near head, asc. steep.
- 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 $\frac{1}{4}$ S. 13 in E. half,
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 70.80 Top of rocky spur, brs. SW. & NE., desc.

Chains.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 11,12,13 & 14, marked on brass cap,
 T. 23 N., R. 16 W. in N. half,
 S. 11 in NW.,
 S. 12 in NE.,
 S. 13 in SE., and
 S. 14 in SW. quadrants,
 raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
 Land, rolling, mts.
 Soil, 3rd rate, gravelly, stony.
 Scattering mesquite, palonegro, cacti, sparse grass.
 At this cor., at noon, ~~1 m.t.~~, I set off 12° 41½' N. on the decl. arc, and observe the sun on the meridian.
 The resulting lat. is 35° 23½' N.

N. 89° 53' E., on a random line, bet. secs. 12 & 13.
 40.00 Set temp. ¼ sec. cor.
 80.02 Intersect E. bdy. of Tp. at a point 5 lks. N. of cor. of secs. 7,12,13 & 18, whence I run, West, on a true line, bet. secs. 12 & 13.
 Over mts.. land, asc. steep, broken E. slope.
 11.30 Asc. very steep.
 40.01 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,
 raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
 47.70 Top of mountain ridge, brs. N. & S., desc. prec.
 70.50 Foot of main slope, head of gulch, course NW., asc.
 78.60 Spur, brs. NW. & SE., desc.
 80.02 To cor. of secs. 11,12,13 & 14.
 Land, mts., rough.
 Soil, 3rd rate, stony.
 Scattering palonegro, cacti, greasewood, native grass.

N. 0° 1' W., bet. secs. 11 & 12.
 Over. mts. land, asc.
 2.50 Spur, brs. NW. & SE., desc. steep.
 9.00 Gulch, 50 lks. wide, course NW., asc. SW. slope.
 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. 11 in W., and
 S. 12 in E. half,
 raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
 Desc. grad. from cor., slope to NW.
 43.00 Gulch 50 lks. wide, course NW., asc. prec. SW. slope.
 79.55 Top of saddle on spur, brs. NW. & SE., desc.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 1,2,11 & 12., marked on brass cap,
 T. 23 N., R. 16 W. in N. half,
 S. 2 in NW.,
 S. 1 in NE.,
 S. 12 in SE., and
 S. 11 in SW. quadrants,
 raise a mound of stone 3 ft. base, 2 ft. high W. of cor.
 Land, mts.
 Soil, 3rd rate, stony, gravelly.
 Sparse greasewood, cacti. Fair grass.

Chains.

- East, on a random line, bet. secs. 1 & 12.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect E. bdy. of Tp. at a point 5 lks. S. of cor. of
 secs. 1, 6, 7 & 12, whence I run,
 S. $89^{\circ} 58'$ W., on a true line, bet. secs. 1 & 12.
 Over mts. land, asc. steep, E. slope.
 14.00 Top of rocky ridge, brs. NE. & SW., desc.
 30.50 Gulch, 50 lks. wide, course NE., asc. gradually.
 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. 1 in N., and
 S. 12 in S. half,
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 58.00 Asc. steep. E. slope.
 68.00 Asc. prec.
 71.00 Top of high rocky ridge, brs. NNW. & SSE.,
 Top of highest peak in this range on this ridge,
 brs. S. 20° E., about 7 chs. dist.
 Desc. prec.
 77.00 Head of gulch, course NNW., asc. prec.
 79.96 To cor. of secs. 1, 2, 11 & 12.
 Land, mts.,
 Soil, 3rd rate, stony.
 Sparse greasewood, cacti, palonegro, native grass.

- N. $0^{\circ} 1'$ W., on a random line, bet. secs. 1 & 2.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect N. bdy. of Tp. at a point 7 lks. E. of cor. of
 secs. 1, 2, 35 & 36, whence I run,
 S. $0^{\circ} 4'$ E., on a true line, bet. secs. 1 & 2.
 Over broken or mts. land, desc. grad.
 2.00 Gulch, 20 lks. wide, course WSW.
 Thence along W. slope, near foot.
 29.06 Gulch, 50 lks. wide, course NW., asc. steep NE. slope,
 40.06 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,
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 68.00 Top of East side of peak on ridge, top of peak brs. W., 4
 chs. dist., cross ridge, and desc. steep SW. slope.
 71.60 Gulch, 50 lks. wide, course NW., asc. steep.
 80.06 To cor. of secs. 1, 2, 11 & 12.
 Land, broken, mts.
 Soil, 3rd rate, gravelly, stony.
 Scattering greasewood, cacti. sparse native grass.
 This small range of mountains running through the East
 range of secs. of this Tp. is practically barren.
 The line, bet. secs. 1 & 2, was run on true line,
 by back & fore sight, bet. 5 & 6 p.m., this date, it
 being too late to run by the solar.

April 24, 1911.

Chains.

- April 25, 1911.
At 7h 30m a.m., l.m.t., at the cor. of secs. 2, 3, 34 & 35,
on the S. bdy. of the Tp.,
I set off $12^{\circ}58'$ N. on the decl. arc, and $35^{\circ}20'$ 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 valley, 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. 34 in W., and
S. 35 in E. half,
dig pits $18 \times 18 \times 12$ 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. 23 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 $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land, gently rolling. Soil, 3rd rate, sandy, loose, fertile
Good native grass, scattering sage brush, cacti.
-
- East, on a random line, bet. secs. 26 & 35.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. & S. line at a point 2 lks. N. of cor. of
secs. 25, 26, 35 & 36, whence I run,
N. $89^{\circ}59'$ W., on a true line, bet. secs. 26 & 35.
Over gently undulating 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. 26 in N., and
S. 35 in S. half,
dig pits $18 \times 18 \times 12$ 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. 26, 27, 34 & 35.
Land, gently undulating, level, drains to NE.
Soil, 3rd rate, sandy, some clay, fertile.
Sparse sage brush, cacti. Good native bunch grass.
-
- N. $0^{\circ}1'$ W., bet. secs. 26 & 27.
Over gently undulating plain, 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. 27 in W., and
S. 26 in E. half,
dig pits $18 \times 18 \times 12$ 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.
- 68.00 Wash, course NE., spreads out at this point.
- 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. 23 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 $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land, gently undulating, level.
Soil, 2nd & 3rd rate, sandy, loamy, some clay, fertile.
Sparse sage brush, cacti. Good native grass.

Chains.

S. 89°59' E., on a random line, bet. secs. 23 & 26.
 40.00 Set temp. 1/4 sec. cor.
 80.02 Intersect N. & S. line at cor. of secs. 23,24,25 & 26,
 whence I run,
 N. 89°59' W., on a true line, bet. secs. 23 & 26.
 Over nearly level plain, drains to NE., and E.
 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. 23 in N., and
 S. 26 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. 22,23,26 & 27.
 Land, nearly level plain, or valley.
 Soil, 2nd & 3rd rate, sandy, some gravel, loose, fertile.
 Sparse sage brush, cacti. Good native bunch grass.

N. 0° 1' W., ber. secs. 22 & 23.
 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 1/4 sec. cor., marked on brass cap,
 1/4 S. 22 in W., and
 S. 23 in E. half,
 dig pits 18x18x12 ins. N. & 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.
 61.50 Old road, brs. NNE. & SSW., cross drainage divide, and
 desc. slightly.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 14,15,22 & 23, marked on
 brass cap,
 T. 23 N., R. 16 W. in N. half,
 S. 15 in NW.,
 S. 14 in NE.,
 S. 23 in SE., and
 S. 22 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, gently undulating.
 Soil, 3rd rate, sandy, gravelly, loose, dry.
 Sparse sage brush, cacti, few mesquite. Good native grass.

S. 89°59' E., on a random line, bet. secs. 14 & 23.
 40.00 Set temp. 1/4 sec. cor.
 80.00 Intersect N. & S. line at cor. of secs. 13,14,23 & 24,
 whence I run,
 N. 89°59' W., on a true line, bet. secs. 14 & 23.
 Over gently rolling land, desc. grad.
 4.12 Old road, brs. ENE. & WSW.
 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. 14 in N., and
 S. 23 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.
 74.00 Old road, brs. N. & SSW.
 80.00 To cor. of secs. 14,15, 22 & 23.
 Land, gently rolling, drains to W. & NW.
 Soil, 2nd & 3rd rate, sandy, gravelly, loose.
 Sparse sage brush, cacti. Good coarse bunch grass.
 At this cot. at noon, ~~1. m. t.~~, I set off 13° 1' N. on the
 decl. arc, and observe the sun on the meridian.
 The resulting lat. is 35° 23' N.

Chains.

- N. 0° 1' W., bet. secs. 14 & 15.
Over gently rolling land, asc. slightly, drainage to W.
25.00 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. 15 in W., and
S. 14 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. 10, 11, 14 & 15, marked on brass cap,
T. 23 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 ft. base, 2 ft. high W. of cor.
Land, gently rolling, smooth and open.
Soil, 3rd rate, sandy, gravelly, loose, fertile.
Sparse undergrowth. Good native grass.
-
- S. 89° 59' E., on a random line, bet. secs. 11 & 14.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.96 Intersect N. & S. line at a point 5 lks. S. of cor. of secs. 11, 12, 13 & 14, whence I run,
S. 89° 59' W., on a true line, bet. secs. 11 & 14.
Over mts. land, desc. steep W. slope.
15.00 Foot of main slope, brs. ENE. & WSW., desc. grad.
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. 11 in N., and
S. 14 in S. half,
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
50.00 Foot of slope, brs. NE. & SW., enter valley.
79.96 To cor. of secs. 10, 11, 14 & 15.
Land, mts., rolling:
Soil, 3rd rate, stony, gravelly, sandy.
Sparse sage brush, greasewood, cacti. Good native grass in valley.
-
- N. 0° 1' W., bet. secs. 10 & 11.
Over gently rolling valley, asc. grad., drainage to 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. & 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. 23 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, gently rolling.
Soil, 3rd rate, sandy, gravelly, loose, dry.
Sparse sage brush, cacti, low. Coarse bunch grass.

Subdivision of T. 23 N., R. 16 W.

Chains.

N. 89° 59' E., on a random line, bet. secs. 2 & 11.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect N. & S. line at a point $2\frac{3}{4}$ lks. N. of cor. of
 secs. 1, 2, 11 & 12, whence I run,
 West, on a true line, bet. secs. 2 & 11.
 Over mts. land, asc. prec.
 1.75 Top of high rocky spur, brs. NW. & SE., desc. prec.
 SW. slope.
 36.00 Foot of main slope, brs. NW. & SE., desc. grad.
 39.97 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,
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 79.94 To cor. of secs. 2, 3, 10 & 11.
 Land, mts., rolling.
 Soil, 3rd rate, stony, gravelly.
 Sparse sage brush, mesquite, few cacti. Good grass in
 valley.

N. 0° 4' W., on a random line, bet. secs. 2 & 3.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect N. bdy. of Tp. at a point 18 lks. E. of cor. of
 secs. 2, 3, 34 & 35, whence I run,
 S. 0° 12' E., on a true line, bet. secs. 2 & 3.
 Over gently undulating plain, drains to W. & NW.
 40.10 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
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 80.10 To cor. of secs. 2, 3, 10 & 11.
 Soil, 2nd rate, sandy, gravelly, loose, dry, Land, rolling.
 Sparse sage brush, cacti. Coarse bunch grass.
 April 25, 1911.

Chains.

- April 26, 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 $13^{\circ}18'$ N. on the decl. arc, and $35^{\circ}20'$ N. on the
lat. arc, and determine a true meridian with the solar.
Thence I run,
N. $0^{\circ}2'$ W., bet. secs. 33 & 34.
Over level valley, drains 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. 33 in W., and
S. 34 in E. half,
dig pits $18 \times 18 \times 12$ 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. 27, 28, 33 & 34, marked on
brass cap,
T. 23 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 $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land, level, slightly undulating.
Soil, 2nd rate, sandy, loose, loamy, fertile.
Sparse low sage brush, cacti. Good native grasss.
-
- East, on a random line; bet. secs. 27 & 34.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. & S. line at a point 5 lks. N. of cor. of
secs. 26, 27, 34 & 35, whence I run,
N. $89^{\circ}58'$ W., on a true line, bet. secs. 26 & 35.
Over gently 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. 27 in N., and
S. 34 in S. half,
dig pits $18 \times 18 \times 12$ 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. 27, 28, 33 & 34.
Land, gently undulating.
Soil, 3rd rate, sandy, some gravel, loose, dry.
Sparse low sage brush, cacti. Good grass.
-
- N. $0^{\circ}2'$ W., bet. secs. 27 & 28.
Over gently undulating plain, drains to NE. & E.
- 16.00 Wash, 50 lks. wide, course ENE.
- 26.15 Old road, hrs. NNE, & SSW.
- 27.48 Wash, 30 lks. wide, 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. 28 in W., and
S. 27 in E. half,
dig pits $18 \times 18 \times 12$ 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.
- 62.00 Low saddle between two hills, 15 chs. to SE. & NW., desc.
- 80.00 Set an iron post 3 ft. long, 2 ins. in dian. 24 ins. in
the ground for cor. of secs. 21, 22, 27 & 28, marked on
brass cap,
T. 23 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 $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land, gently undulating, rolling. Soil, 3rd rate, gravelly.
Sparse sage brush, cacti. Fair grass.

- Chains.
- S. $89^{\circ}58'$ E., on a random line, bet. secs. 22 & 27.
- 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. 22, 23, 26 & 27, whence I run, N. $89^{\circ}59'$ W., on a true line, bet. secs. 22 & 27. Over gently rolling land, asc. grad. in broad draw.
- 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. 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.
- 49.00 Old road, brs. NNE. & SSW.
- 80.04 To cor. of secs. 21, 22, 27 & 28. Land, gently rolling. Soil, 3rd rate, sandy, gravelly. Sparse undergrowth, Dense, coarse bunch grass.
-
- N. $0^{\circ}2'$ W., bet. secs. 21 & 22. Over rolling land, desc. grad.
- 7.00 Wash, 20 lks. wide, middle of draw, course ESE.
- 10.00 Asc. steep.
- 22.13 Top of stony malapais ridge, brs. ESE. & WNW., ends 20 chs. to ESE., and about 35 chs. WNW., desc.
- 38.00 Foot of slope, brs. ESE. & WNW., 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. 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.
- 71.00 Old road, brs. E. & W. A sign board at junction of roads about 15 chs. to E., gives distances, 8 miles to Thompsons Ranch, 56 miles to Greggs Ferry, 33 miles to Gold Basin, 14 miles to Music Mountain Mine.
- 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. 23 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, rolling. Soil, 3rd rate, gravelly, stony. Sparse sage brush, cacti, greasewood. Good grass.
-
- S. $89^{\circ}59'$ E., on a random line, bet. secs. 15 & 22.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect N. & S. line at a point $2\frac{1}{4}$ lks. S. of cor. of secs. 14, 15, 22 & 23, whence I run, West, on a true line, bet. secs. 15 & 22. Over gently undulating plain, 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. 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.
- 60.74 Road, brs. NE. & SW.
- 67.96 Road, brs. N. & S.
- 80.06 To cor. of secs. 15, 16, 21 & 22. Land, gently rolling. Soil, 2nd rate, sandy, gravelly. Sparse sage brush, cacti. Fair grass.

Chains. At this cor. at noon, ~~1. m. t.~~, I set off $13^{\circ}21'$ N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is $35^{\circ}23'$ N.

N. $0^{\circ}2'$ W., bet. secs. 15 & 16.
Over smooth open 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. 16 in W., and
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.
67.83 Road, brs. NNW. & SSE.
70.00 Top of rise, brs. NE. & SW. desc.
72.00 Wash, 100 lks. wide, course ENE.
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. 23 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, rolling. Soil, 3rd rate, sandy, gravelly, dry.
Sparse low sage brush, few cacti. Good short native grass.

East, on a random line, bet. secs. 10 & 15.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.10 Intersect N. & S. line at a point $2\frac{1}{2}$ lks. N. of cor. of secs. 10, 11, 14 & 15, whence I run,
N. $89^{\circ}59'$ W., on a true line, bet. secs. 10 & 15.
Over gently rolling plain, asc. slightly, drainage NNE.
8.00 Old road, brs. N. & S.
40.05 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S. 10 in N., and
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.
64.75 Wash, 100 lks. wide, course NE.
71.00 Branch of same wash, course ENE.
80.10 To cor. of secs. 9, 10, 15 & 16.
Land, gently rolling. Soil, 2nd & 3rd rate, sandy, gravelly.
Sparse sage brush, greasewood, cacti. Good native grass.

N. $0^{\circ}2'$ W., bet. secs. 9 & 10.
Over gently undulating plain, 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. 9 in W., and
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. 23 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 4 ft. base, 2 ft. high W. of cor.
Land, gently rolling.
Soil, 3rd rate, sandy, gravelly, dry.
Sparse sage brush, few cacti. Fair grass.

Chains.

- S. 89°59' E., on a random line, bet. secs. 3 & 10.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.12 Intersect N. & S. line at a point $2\frac{1}{4}$ lks. N. of cor. of
 secs. 2, 3, 10 & 11, whence I run,
 N. 89°58' W., on a true line, bet. secs. 3 & 10.
 Over nearly level plain, drains to N.
 40.06 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.
 80.12 To cor. of secs. 3, 4, 9 & 10.
 Land, level.
 Soil, 2nd & 3rd rate, sandy, some clay, heavy, fertile.
 Sparse sage brush, cacti. Coarse dense bunch grass.

- N. 0°12' W., on a random line, bet. secs. 3 & 4.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect N. bdy. of Tp. at a point 23 lks. W. of cor. of
 secs. 3, 4, 33 & 34, whence I run,
 S. 0°2' E., on a true line, bet. secs. 3 & 4.
 Over gently undulating plain, drains to N.
 40.10 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 $5\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 80.10 To cor. of secs. 3, 4, 9 & 10.
 Land, level, gently undulating.
 Soil, 3rd rate, sandy, heavy in places, dry.
 Sparse low sage brush, few mesquite, cacti. Good grass.
 April 26, 1911.

Chains.

April 27, 1911.
At 8h a.m., l.m.t., at the cor. of secs. 4, 5, 32 & 33,
on the S. bdy. of the Tp.,
I set off 13° 37' N. on the decl. arc, and 35° 20' N. on the
lat. arc, and determine a true meridian with the solar.
Thence I run,

N. 0° 3' W., bet. secs. 32 & 33.

Over gently rolling land, drains to E.

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. 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 1/2 ft. base, 1 1/2 ft. high W. of cor.

57.00 Wash, 250 lks. wide, course ENE.

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. 23 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 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 sage brush, cacti. Good native bunch grass.

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

40.00 Set temp. 1/4 sec. cor.

79.98 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 gently rolling land, asc. grad.

14.25 Road, brs. NNE. & SSW.

20.00 Wash, 50 lks. wide, course NE.

38.00 Wash, 40 lks. wide, course NE.

39.99 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. 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 1/2 ft. base, 1 1/2 ft. high N. of cor.

70.00 Asc. butte.

76.00 Top of butte, brs. NW. & SE., desc.

79.00 Foot, brs. NW. & SE.,

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

Land, rolling. Soil, 3rd rate, gravelly.

Sparse sage brush, cacti, greasewood. Fair grass.

N. 0° 3' W., bet. secs. 28 & 29.

Over broken, rolling land.

1.00 Asc.

6.00 Top of W. end of malapais butte, brs. NW. & SE., desc.

14.55 Wash, 50 lks. wide, course ENE., asc. grad.

36.00 Asc. SW. slope.

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. 29 in W., and

S. 28 in E. half,

raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

70.00 Top of malapais ridge, brs. E. & W., butte on same 6 chs.
to E., desc.

75.00 Wash, 50 lks. wide, course NE., asc.

Chains.

- 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. 23 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. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, rolling heavily, broken. Soil, 3rd rate, gravelly. Scattering greasewood, cacti. Good native grass.
-
- 40.00 East, on a random line, bet. secs. 21 & 28.
Set temp. ¼ sec. cor.
- 79.96 Intersect N. & S. line at cor. of secs. 21, 22, 27 & 28, whence I run,
West, on a true line, bet. secs. 21 & 28.
Over mts., broken land, along N. side of mountain.
- 4.00 Asc. NE. slope of volcanic mountain.
- 25.00 Top of N. side of mountain, crest is 4 chs. to S.
- 39.98 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. 21 in N., and
S. 28 in S. half,
raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
- 60.00 Top of W. end of mountain is 10 chs. to S., desc. NW. slope.
- 78.25 Wash, 50 lks. wide, course NE., (ascend. ...)
- 79.96 To cor. of secs. 20, 21, 28 & 29.
Land, mts. Soil, 3rd rate, gravelly, stony.
Sparse greasewood, cacti. Fair grass in places.
-
- N. 0° 3' W., bet. secs. 20 & 21.
Over rolling land, drains to E.
- 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. 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 3½ ft. base, 1½ ft. high W. of cor.
- 61.30 Old road, brs. E. & W.
- 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. 23 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. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, rolling. Soil, 3rd rate, gravelly, sandy. Scattering greasewood, cacti. Good native grass.
-
- 40.00 East, on a random line, bet. secs. 16 & 21.
Set temp. ¼ sec. cor.
- 79.94 Intersect N. & S. line at a point 2½ lks. S. of cor. of secs. 15, 16, 21 & 22, whence I run,
S. 89° 59' W., on a true line, bet. secs. 16 & 21.
Over gently undulating plain, asc. slightly.
- 39.97 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. 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 3½ ft. base, 1½ ft. high N. of cor.
- 79.94 To cor. of secs. 16, 17, 20 & 21.
Land, gently rolling. Soil, 3rd rate, sandy, gravelly. Sparse sage brush, cacti. Good native grass.

Chains. At this cor. at noon, ~~1. m. t.~~, I set off $13^{\circ}40'$ N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is $35^{\circ}22\frac{1}{2}'$ N.

N. $0^{\circ}3'$ W., bet. secs. 16 & 17.

Over gently rolling land.

15.00 Asc. steep SE. slope of butte.

20.00 Top of butte, brs. ENE. & WSW., E. end is about 10 chs. NE. W. end is about 40 chs. to SW. desc.

26.00 Foot, brs. NE. & SW., 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. 17 in W., and S. 16 in E. half,

dig pits $18 \times 18 \times 12$ 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.

47.25 Wash, 200 lks. wide, course E., drains large area.

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. 23 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 $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, gently rolling. Soil, 3rd rate, sandy, gravelly. Sparse greasewood, sage brush, cacti. Fair grass.

N. $89^{\circ}59'$ E., on a random line, bet. secs. 9 & 16.

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

80.04 Intersect N. & S. line at a point $2\frac{1}{4}$ lks. N. of cor. of secs. 9, 10, 15 & 16, whence I run,

West, on a true line, bet. secs. 9 & 16.

Over rolling land, asc. grad.

20.00 Asc. steep.

40.02 Top of malapais butte, brs. NE. & SW., extends 20 chs.

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,

raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Desc. from cor.

52.00 Foot, brs. NE. & SW.,

80.04 To cor. of secs. 8, 9, 16 & 17.

Land, rolling, mts. Soil, 3rd rate, gravelly, stony.

Scattering greasewood, cacti, sage brush. Good grazing.

N. $0^{\circ}3'$ W., bet. secs. 8 & 9.

Over gently rolling valley, 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. 8 in W., and

S. 9 in E. half,

dig pits $18 \times 18 \times 12$ 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. 23 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 $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, rolling. Soil, 3rd rate, gravelly, sandy.

Sparse greasewood, cacti, sage brush. Good native grass.

Chains.

- East, on a random line, bet. secs. 4 & 9.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect N. & S. line at a point $5\frac{1}{2}$ 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 gently undulating valley or plain, drains NE.
- 11.00 Old road, brs. N. & S.
- 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 $\frac{1}{4}$ 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.
- 80.06 To cor. of secs. 4, 5, 8 & 9.
Land, gently undulating.
Soil, 3rd rate, sandy, gravelly, heavy in places, dry.
Sparse greasewood, cacti. Good native grass.

- N. $0^{\circ}3'$ W., on a random line, bet. secs. 4 & 5.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.07 Intersect N. bdy. of Tp. at a point 2 lks. W. of cor. of secs. 4, 5, 32 & 33, whence I run, S. $0^{\circ}2'$ E., on a true line, bet. secs. 4 & 5. Over gently rolling land,
- 31.75 Wash, 150 lks. wide, course SE.
- 36.50 Wash, 30 lkd. wide, course SE.
- 40.07 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 $\frac{1}{4}$ 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.
- 80.07 To cor. of secs. 4, 5, 8 & 9.
Land, gently rolling, level.
Soil, 3rd rate, sandy, gravelly, loose, dry.
Sparse greasewood, cacti. Good coarse dense bunch grass.
April 27, 1911.

Chains.

- April 23, 1911.
At 8h a.m., l.m.t., at the cor. of secs. 5, 6, 31 & 32, on the S. bdy. of the Tp., I set off $13^{\circ}57'$ N. on the decl. arc, and $35^{\circ}20'$ 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 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. 31 in W., and
S. 32 in E. half,
dig pits $18 \times 18 \times 12$ 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.
- 55.00 Wash, 250 lks. wide, course E.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 29, 30, 31 & 32, marked on brass cap,
T. 23 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 $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land, gently rolling.
Soil, 2nd & 3rd rate, sandy, gravelly, loose, fertile.
Sparse greasewood, cacti, sage brush. Dense bunch grass.
-
- East, on a random line, bet. secs. 29 & 32.
- 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. 28, 29, 32 & 33, whence I run,
S. $89^{\circ}59'$ W., on a true line, bet. secs. 29 & 32.
Over gently rolling land, desc. grad.
- 33.66 Wash, 20 lks. wide, course ENE.
- 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. 29 in N., and
S. 32 in S. half,
dig pits $18 \times 18 \times 12$ 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.
- 45.57 Wash, 40 lks. wide, course ENE.
- 60.00 Asc.
- 66.00 Top of spur from butte, brs. NW. & SE., ends 10 chs. SE.
Desc.
- 72.00 Foot, brs. NW. & SE.
- 79.50 Same wash as above, course SSE., for 15 chs. and then turn to E.
- 80.04 To cor. of secs. 29, 30, 31 & 32.
Land, rolling.
Soil, 3rd rate, gravelly.
Scattering greasewood, cacti. Good native bunch grass.
-
- West, bet. secs. 30 & 31.
Over gently rolling land, asc. slightly.
- 20.60 Wash, 40 lks. wide, course SE.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S. 30 in N., and
S. 31 in S. half,
dig pits $18 \times 18 \times 12$ 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.
- 97.00 Wash, 50 lks. wide, course SE.
- 127.80 Intersect E. bdy. of T. 23 N., R. 17 W. at a point, whence the cor. point of secs. 25 & 36, on said bdy., brs. North, 25.10 chs. dist., as established by me, and heretofore described.
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.

T. 23 N. in N. and

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

S. 30, in NE., and

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

dig pits 24x18x12, 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 undulating, rolling.

Soil, 3rd rate, sandy, gravelly, loose, dry.

Scattering greasewood, cacti, sage brush. Fair grass.

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

Over rolling, broken, land.

3.00 Wash, 20 lks. wide, course SSE.

6.00 Asc. steep SW. slope, over malapais boulders.

15.00 Top of lone malapais butte, extend NW. & SE. about 30 chs. Desc.

26.00 Foot, and across draw between buttes, course ESE.

31.00 Asc.

38.00 Top of malapais butte, brs. NW. & SE., desc.

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 E., and

S. 30 in W. half,

raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

50.00 Foot of slope, Draw, 50 lks. wide, course ESE., asc. grad.

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. 23 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, rolling, mts.

Soil, 3rd rate, gravelly, stony.

Scattering sage brush, greasewood, cacti. Fair grass.

At this cor. at noon, ~~1. m. t.~~, the sky being slightly overcast and hazy, I am unable to make a satisfactory observation for latitude.

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

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

80.08 Intersect N. & S. line at cor. of secs. 20, 21, 28 & 29, whence I run,

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

Over heavily rolling land, asc. grad.

30.00 Gulch, 30 lks. wide, course ESE.

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. 20 in N., and

S. 29 in S. half,

raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

48.00 Top of S. side of mountain, brs. N. & S., top of highest point is 20 chs. to N., foot is 20 chs. to S.

Desc.

51.00 Top of rocky butte on mountain is 1 ch. to N., desc. prec.

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

Land, rolling, mts.

Soil, 3rd rate, gravelly, stony.

Scattering greasewood, cacti. Fair grazing.

Chains.

West, bet. secs. 19 & 30.
 Over 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. 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.
 60.45 Old road, brs. NE. & WSW.
 80.00 Along near S. foot of ridge, brs. E. & W.
 100.00 Ridge on N. turns to NW.
 121.00 Wash, 50 lks. wide, course SE., asc.
 127.62 Intersect East bdy. of T. 23 N., R. 17 W. at a point, whence the cor. of secs. 24 & 25 on said bdy. brs. North, 25.05 chs. dist., as 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. 19 & 30, marked on brass cap,
 C.C., on E. of centre,
 T. 23 N. in N., and
 S. 24, S. 25, R. 17 W. in W. half,
 S. 19 in NE., and
 R 16 E, S. 30 in SE. quadrants,
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor.
 Land, rolling.
 Soil, 3rd rate, sandy, gravelly, heavy, dry.
 Scattering greasewood, cacti. Good grass in places.

N. 0° 3' W., bet. secs. 19 & 20.
 Over heavily rolling, broken land, asc.
 6.00 Spur, brs. W. & E., desc.
 13.00 Head of draw, course WNW., asc.
 23.00 Top of W. point of spur, brs. W. & E., 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. 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.
 40.45 Road, brs. N. 60° E. & S. 60° W., desc. more gradually.
 70.00 Wash, 50 lks. wide, course ENE.
 79.65 Wash, 30 lks. wide, course E., asc.
 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. 23, 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,
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Land, mts., broken, rolling. Soil, 3rd rate, stony, gravelly.
 Scattering greasewood, cacti. Good grass.

Chains	
	N. 89°59' E., on a random line, bet. secs. 17 & 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. & S. line at a point $2\frac{1}{4}$ lks. N. of cor. of secs. 16, 17, 20 & 21, whence I run, West, on a true line, bet. secs. 17 & 20. Over rolling land, asc. grad.
10.00	Asc. SE. slope.
22.00	Top of ridge, or butte, brs. NE. & SW. thence along N. slope.
34.00	Desc.
40.05	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, raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Cor. at foot of slope, brs. NE. & SW., desc. grad.
72.00	Wash, 80 lks. wide, course NE.
78.00	Wash, 50 lks. wide, course ENE.
80.10	To cor. of secs. 17, 18, 19 & 20. Land, rolling, mts. Soil, 3rd rate, gravelly, stony. Scattering greasewood, cacti, few tesseta. Good grass. April 28, 1911.
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	April, 29, 1911.
	At 8h a.m., l.m.t., at the cor. of secs. 17, 18, 19 & 20, I set off 14°16' N. on the decl. arc, and 35°23' N. on the lat. arc, and determine a true meridian with the solar. Thence I run, West, bet. secs. 18 & 19. Over rolling broken land, asc. grad.
2.65	Wash, 50 lks. wide, course ESE.
34.00	Top of N. point of low, hill, brs. NE. & SW., 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. 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.
42.00	Foot of slope, brs. NE. & SW.
50.00	Wash, 20 lks. wide, course NE., asc. grad.
93.11	Wash, 50 lks. wide, course NE.
100.00	Asc. SE. slope of malapais hill.
127.40	Intersect East bdy. of T. 23 N., R. 17 W. at a point whence the cor. of secs. 13 & 24 on said bdy., brs. North, 25.35 chs. dist., as 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. 13 & 24, marked on brass cap, C.C. E. of centre, T. 23 N. in N., and S. 13, S. 24, R. 17 W. in W. half, S. 18 in NE., and R 16 E, S. 19 in SE. quadrants, raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor. Land, rolling, mts. Soil, 3rd rate, gravelly. Scattering greasewood, tesseta, mesquite, cacti, and other brush. Good grazing in draws.

Chains.

- N. $0^{\circ} 3'$ W., bet. secs. 17 & 18.
Over broken rolling land, drains to E.
- 1.25 Wash 20 lks. wide, course ESE.
6.00 Wash, 40 lks. wide, course SE.
9.80 Wash, 30 lks. wide, course SE.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S. 18 in W., and
S. 17 in E. half,
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 41.00 Wash, 80 lks. wide, course E.
77.00 Wash, 10 lks. wide, course ESE.
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. 23 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, rolling, broken.
Soil, 3rd rate, sandy, gravelly.
Scattering greasewood, cacti, sage brush. Good native grass.
-
- East, on a random line, bet. secs. 8 & 17.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.00 Intersect N. & S. line at a point 2 lks. N. of cor. of secs. 8, 9, 16 & 17, whence I run,
N. $89^{\circ} 59'$ W., on a true line, bet. secs. 8 & 17.
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. 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.
- 80.00 To cor. of secs. 7, 8, 17 & 18.
Land, gently rolling. Soil, 3rd rate, gravelly.
Scattering greasewood, cacti. Good native grass.
-
- West, bet. secs. 7 & 18.
Over gently rolling land, asc. grad., through dense sage brush, and cacti.
- 11.20 Wash, 30 lks. wide, course ESE.
19.20 Road, brs. NNE. & SSW.
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.
- 107.00 Old road, brs. N. & S.
127.38 Intersect East bdy. of T. 23 N., R. 17 W., at a point whence the cor. of secs. 12 & 13, on said bdy.,
brs. North, 25.32 chs. dist., as 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. 23 N. in N., and
S. 12, S. 13, R. 17 W. in W. half,
S. 7 in NE., and S. 18, 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. Soil, 3rd rate, sandy, gravelly.
Scattering greasewood, cacti. Good native grass.

Chains.

- N. $0^{\circ} 3'$ W., bet. secs. 7 & 8.
 Over gently rolling land, drains to E. asc. grad.
- 15.00 SE. point of hill, brs. W. 6 chs. dist. 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. 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. 23 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 $4\frac{1}{2}$ ft. base, 2 ft. high W. of cor.
- Land, rolling.
 Soil, 3rd rate, sandy, gravelly.
 Scattering greasewood, cacti. Good grass.
 At this cor. at noon, l.m.t., I set off $14^{\circ} 18'$ N. on the decl. arc, and observe the sun on the meridian.
 The resulting lat. is $35^{\circ} 24'$ N.
-
- S. $89^{\circ} 59'$ E., on a random line, bet. secs. 5 & 8.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.98 Intersect N. & S. line at a point 2 lks. S. of cor. of secs. 4, 5, 8 & 9, whence I run,
 West, on a true line, bet. secs. 5 & 8.
 Over gently undulating plain, asc. slightly.
- 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. 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.
- 79.98 To cor. of secs. 5, 6, 7 & 8.
 Land, rolling. Soil, 3rd rate, sandy, gravelly, dry.
 Sparse sage brush, greasewood, cacti. Fair native grass.
-
- West, bet. secs. 6 & 7.
 Over broken, rolling land, asc. grad.
- 10.00 Old road, brs. N. & S., asc. NE. slope of hill.
- 18.00 Top of rise, thence along N. slope.
- 30.00 Desc. NW. slope.
- 35.00 Foot, in wash, course ENE., 30 lks. wide, 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 N., and
 S. 7 in S. half,
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
- 113.00 Old road, brs. N. & S., foot of slope, asc.
- 127.35 Intersect East bdy. of T. 23 N., R. 17 W. at a point, whence the cor. of secs. 1 & 12, on said bdy., brs. North, 25.30 chs. dist., as 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. 23 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,
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor.
- Land, rolling, broken. Soil, 3rd rate, gravelly.
 Scattering greasewood, cacti. Fair grazing.

Chains.

N. 0° 3' W., on a random line, bet. secs. 5 & 6.

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

80.05 Intersect N. bdy. of Tp. at cor. of secs. 5, 6, 31 & 32, whence I run,
S. 0° 3' E., on a true line, bet. secs. 5 & 6.
Over broken, rolling land, desc. grad.

3.03 Wash, 50 lks. wide, course NE.

10.35 Wash, 50 lks. wide, course E.

40.05 Wash, 200 lks. wide, course ENE., cor point falls in wash, therefore at

41.05 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., N. of centre,
S. 5 in SE., and
S. 6 in SW. quadrants,
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.

56.40 Dim road, brs. ENE. and WSW., turns to S. at 10 chs. to SW. asc. grad.

80.05 To cor. of secs. 5, 6, 7 & 8.
Land, rolling.
Soil, 3rd rate, gravelly, sandy, loose, dry.
Sparse greasewood, cacti, sage brush. Good native bunch grass.

April 29, 1911.

General Description.

The land in this township is mostly gently rolling or broken, but somewhat mountainous in places.
The soil in the level portions is a sandy loam, with some clay and gravel, varying from a loose light loam to a stiff, heavy texture.
There is no timber or water in the township.
The land is mostly covered with a good growth of coarse native bunch grass, and in places with a light, short grass, called six week grass, or summer grass.
The land throughout the township is good grazing land, very fertile in places, and much of the land would produce well if irrigated.
There are no settlers in the township, nor any trace of occupation of the land.

Jose B. Wright
U. S. Surveyor.

APPROVAL.

BOOK 2312

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Ariz. March 25, 1912

The foregoing field notes of the survey of *the subdivisions T 73 N. R. 16 W.,*
G. S. R. Meridian, Arizona

executed by *Jesse B. Wright, M. D. Surveyor*
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.