

JUN 2-1913

BOOK 2490

# FIELD NOTES

OF THE SURVEY OF THE

Subdivision of T. 23 S., R. 29 E.

Of the Gila and Salt River Base and Meridian,

Arizona.

In the State of \_\_\_\_\_

EXECUTED BY

Jesse B. Wright,

and

William H. Elliott,

supplemental

In the capacity of U. S. Surveyor s., under instructions dated November 27, 1912,

issued by the United States Surveyor General to govern surveys included in

Group No. 17, which were approved by the Commissioner of the General Land

Office, December 5, 1912, pursuant to authority contained in the Act of

Congress dated August 24, 1912

Survey commenced January 15, 1913. 191

Survey completed January 23, 1913. 191

BOOK 2490

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## Subdivision of T. 23 S., R. 29 E.

16

Chains.

Jan. 15, 1913.

Survey commenced on Jan. 15, 1913, and executed jointly by Jesse B. Wright and William H. Elliott, U. S. Surveyors, using Young & Son's light mountain transits Nos. 8145 and 8492 respectively, with Smith solar attachments on sides of instruments.

Knowing from recent and repeated tests made on a true meridian established by observation of Polaris, that the instruments are in correct adjustment,

We proceed as follows : -

( Lines run by Wright and Elliott noted by "J.B.W." and "W.H.E.", respectively. )

J.B.W.

At 8h a.m., l.m.t., at the cor. of secs. 1, 2, 35 & 36, on the S. bdy. of the Tp., recently estab. by me & described in Book D, I set off,  $21^{\circ}06\frac{1}{2}'$  S. on the decl. arc, and  $31^{\circ}22\frac{1}{2}'$  N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per instructions  
N.  $0^{\circ}1'$  W., bet. secs. 35 & 36.

Var.  $13^{\circ}$  E.

Over rolling land, desc. grad. through dense sage brush and scrub mesquite.

15.00 Enter draw, course SE.

20.00 Wash, 20 lks. wide, course ESE.

30.00 Leave draw, 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 35 in W., and  
S 36 in E. half;

80.00 raise a mound of stone 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, T 23 S R 29 E, in N. half,  
S 26 in NW.,  
S 25 in NE.,  
S 36 in SE., and  
S 35 in SW. quad.;

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

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

Sage brush, mesquite, cacti, good grass.

40.00 S.  $89^{\circ}44'$  E., on a random line, bet. secs. 25 & 36.  
Set temp.  $\frac{1}{4}$  sec. cor.

80.02 Intersect East bdy. of Tp. at cor. of secs. 25, 30, 31 & 36, recently estab. by W.H.E. & described in Book G, whence I run,

N.  $89^{\circ}44'$  W., on a true line, bet. secs. 25 & 36.

Over gently rolling land, through dense sage brush and scrub mesquite.

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 25 in N., and  
S 36 in S. half;

80.02 raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
To cor. of secs. 25, 26, 35 & 36, hereinbefore described.  
Land, rolling.

Soil, 3rd rate, gravelly, dry.

Sage brush, mesquite, cacti, fair grass.

Chains. N. 0° 1' W., bet. secs. 25 & 26.  
 Over gently rolling land, through mesquite and sage brush.  
 31.00 Centre of draw 5 chs. 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 26 in W., and S 25 in E. half; raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 56.00 Enter draw, course ENE.  
 58.75 Wash, 60 lks. wide, course E.  
 66.00 Leave draw, course E., asc.  
 68.00 Top of mesa, brs. E. & W., thence on same.  
 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 23 S R 29 E, in N. half, S 23 in NW., S 24 in NE., S 25 in SE., and S 26 in SW. quad.; raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Land, rolling. Soil, 3rd rate, gravelly loose, dry, Sage brush, desert willow, mesquite, fair grass.

40.00 S. 89° 44' E., on a random line, bet. secs. 24 & 25. Set temp.  $\frac{1}{4}$  sec. cor.  
 80.02 Intersect East bdy. of Tp. 5 lks. N. of cor. of secs. 19, 24, 25 & 30, ~~recently estab. by WNE~~ described in Book G, whence I run, N. 89° 42' W., on a true line, bet. secs. 24 & 25. Over rolling, broken land, asc. grad., through dense scrub mesquite and greasewood.  
 17.00 Top of rise, brs. ESE. & WNW., desc.  
 22.00 Enter draw, course ESE.  
 33.65 Wash, 60 lks. wide, course ESE.  
 39.00 Wash, 80 lks. wide, course ESE.  
 40.01 Point for  $\frac{1}{4}$  sec. cor. falls in wash, which runs nearly E. & W., along the line for some distance, therefore at a point 38 lks. S. of line, I 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  $\frac{1}{4}$  N. of centre, S 24 in NE., and S 25 in SE. quad.; raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. At this cor., at noon, I set off  $21^{\circ}06\frac{1}{2}'$  S. on the decl. arc, and observe the sun on the meridian. The resulting lat. is  $31^{\circ}24\frac{1}{2}'$  N. Continue line from true  $\frac{1}{4}$  cor. point.  
 42.62 Wash, 180 lks. wide, course ENE.  
 50.00 Leave draw, asc. grad.  
 80.02 To cor. of secs. 23, 24, 25 & 26, ~~hereinbefore~~ described. Land, rolling, broken. Soil, 3rd rate, gravelly, dry. Mesquite and sage brush, cacti, fair grass.

N. 0° 1' W., bet. secs. 23 & 24.  
 Over rolling land, through scrub mesquite and catclaw.  
 17.86 Wash, 20 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 23 in W., and S 24 in E. half; raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Chains.

70.00 Wash, 12 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. 13,14, 23 & 24, marked on brass cap, T 23 S R 29 E, in N. half,  
     S 14 in NW.,  
     S 13 in NE.,  
     S 24 in SE., and  
     S 23 in SW. quad.;  
 raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Land, rolling. Soil, 3rd rate, gravelly, dry.  
 Sage brush, mesquite, cacti, catclaw, fair grass.

40.00 S. 89°42' E., on a random line, bet. secs. 13 & 24.  
 Set temp. ¼ sec. cor.  
 80.04 Intersect East bdy. of Tp. 5 lks. S. of cor. of secs. 13,18,19 & 24, recently estab. by W.H.F. & described in Book G, whence I run, N. 89°44' W., on a true line, bet. secs. 13 & 24.  
 Over rolling land, through scrub mesquite, catclaw, and greasewood.

35.00 Wash, 30 lks. wide, course SE.  
 40.02 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap,  
     ¼ S 13 in N., and  
     S 24 in S. half;  
 raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.

53.20 Road, brs. SE. & NW.  
 63.00 Wash, 10 lks. wide, course SE.  
 80.04 To cor. of secs. 13,14,23 & 24, ~~hereinafter~~ described.  
 Land, rolling.  
 Soil, 3rd rate, gravelly, loose, dry.  
 Sage brush, greasewood, cacti, mesquite, catclaw,  
 good native grass. Jan. 15, 1913.

Jan. 16, 1913. ~~hereinafter~~ described  
 At 8h a.m., l.m.t., at the cor. of secs. 13,14,23 & 24,  
 I set off 20°55½' S. on the decl. arc, and 31°25' N. on the lat. arc, and determine a meridian with the solar.,  
 Thence I run,  
 N. 0° 1' W., bet. secs. 13 & 14.  
 Over rolling land, through scrub mesquite and catclaw.

25.58 Road, brs. NW. & SE.  
 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 14 in W., and  
     S 13 in E. half;  
 raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

74.05 Wash, 15 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. 11,12,13 & 14, marked on brass cap, T 23 S R 29 E, in N. half,  
     S 11 in NW.,  
     S 12 in NE.,  
     S 13 in SE., and  
     S 14 in SW. quad.;  
 raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Land, rolling.  
 Soil, 3rd rate, gravelly, loose, dry.  
 Mesquite and sage brush, cacti, catclaw, fair grass.

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## Subdivision of T. 23 S., R. 29 E.

Chains.

- S.  $89^{\circ}44'$  E., on a random line, bet. secs. 12 & 13.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.04 Intersect East bdy. of Tp. 2 lks. N. of cor. of  
 secs. 7, 12, 13 & 18, recently estab. by W.H.E. & described in Book G, whence I run  
 N.  $89^{\circ}43'$  W., on a true line, bet. secs. 12 & 13.  
 Over rolling land, asc. grad.  
 4.00 Top of W. bank of draw, asc. gently.  
 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 12 in N., and  
 S 13 in S. half;  
 raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
 80.04 To cor. of secs. 11, 12, 13 & 14, ~~hereinbefore described~~.  
 Land, rolling. Soil, 3rd rate, gravelly, dry, loose.  
 Sage brush, mesquite, fair grass.
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- N.  $0^{\circ}1'$  W., bet. secs. 11 & 12.  
 Over gently rolling land, through scrub mesquite and  
 catclaw.  
 36.00 Enter Silver Creek draw, course E.  
 As point for  $\frac{1}{4}$  sec. cor. will fall in wash, at  
 39.40 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.  $\frac{1}{4}$  N. of centre,  
 S 12 in SE., and  
 S 11 in SW. quad.;  
 raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 39.60 S. bank of Silver Creek, (dry) course E.  
 42.30 N. bank of Silver Creek, asc. grad.  
 56.00 Leave draw, asc.  
 71.90 Road, brs. WNW. & ESE.  
 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 S R 29 E, in N. half,  
 S 2 in NW.,  
 S 1 in NE.,  
 S 12 in SE., and  
 S 11 in SW. quad.;  
 raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Land, rolling.  
 Soil, 3rd rate, gravelly, dry.  
 Sage brush, mesquite, cacti, catclaw, greasewood,  
 fair grass.  
 At this cor., at noon, I set off  $20^{\circ}55'$  S. on the decl.  
 arc, and observe the sun on the meridian.  
 The resulting lat. is  $31^{\circ}27'$  N.

Subdivision of T. 23 S., R. 29 E.

Chains.

S. 89°43' E., on a random line, bet. secs. 1 & 12.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.06 Intersect East bdy. of Tp. 2 lks. S. of cor. of  
 secs. 1, 6, 7 & 12, recently established by W.H.F. & described in Book G, whence I run,  
 N. 89°44' W., on a true line, bet. secs. 1 & 12.  
 Over rolling land.  
 40.03 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 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.  
 45.75 Wash, 20 lks. wide, course SE., enter scrub mesquite and  
 catclaw, asc. grad.  
 80.06 To cor. of secs. 1, 2, 11 & 12, hereinbefore described.  
 Land, rolling.  
 Soil, 3rd rate, gravelly, dry.  
 Mesquite, catclaw, cacti, fair grass.

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N. 0° 1' W., bet. secs. 1 & 2, on a random line.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 78.70 Intersect North bdy. of Tp. 9 lks. W. of  
 cor. of secs. 1, 2, 35 & 36, recently re-established  
 by me, and described in Book A, whence I run,  
 S. 0° 3' W., on a true line, bet. secs. 1 & 2.  
 Over rolling land, through scrub mesquite.  
 38.70 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 $\frac{1}{4}$  S 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.  
 74.00 Wash, 15 lks. wide, course ESE.  
 78.70 To cor. of secs. 1, 2, 11 & 12, hereinbefore described.  
 Land, rolling.  
 Soil, 3rd rate, gravelly, dry.  
 Sage brush, mesquite, cacti, catclaw, greasewood, fair  
 grass.  
 Jan. 16, 1913.

J.B.W.

Chains.	
	<p>Jan. 15, 1913. <span style="float: right;">W.H.E.</span>            At 8h a.m., l.m.t., at the cor. of secs. 2, 3, 34 &amp; 35,            on the S. bdy. of the Tp., recently established by B.W. &amp; described in Book D            I set off <math>20^{\circ}06\frac{1}{2}'</math> S. on the decl. arc, and <math>31^{\circ}22\frac{1}{2}'</math> N. on            the lat. arc, and determine a meridian with the solar.            Thence I run,            N. <math>0^{\circ}1'</math> W., bet. secs. 34 &amp; 35.            Over rolling land, through scrub mesquite and catclaw.            Wash, 10 lks. wide, course E.</p>
39.06	
40.00	<p>Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in            the ground for <math>\frac{1}{4}</math> sec. cor., marked on brass cap,  <math>\frac{1}{4}</math> S 34 in W., and            S 35 in E. half;            raise a mound of stone 2 ft. base, <math>1\frac{1}{2}</math> ft. high W. of cor.            Wash, 20 lks. wide, course E.</p>
62.20	
66.00	Road, brs. NW. & SE.
80.00	<p>Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in            the ground for cor. of secs. 26, 27, 34 &amp; 35, marked on            brass cap, T 23 S R 29 E, in N. half,            S 27 in NW.,            S 26 in NE.,            S 35 in SE., and            S 34 in SW. quad.;            raise a mound of stone 2 ft. base, <math>1\frac{1}{2}</math> ft. high W. of cor.            Land, rolling. Soil, 3rd rate, gravelly, dry, loose.            Mesquite, catclaw, cacti, fair grass.</p>
40.00	<p>S. <math>89^{\circ}44'</math> E., on a random line, bet. secs. 26 &amp; 35.            Set temp. <math>\frac{1}{4}</math> sec. cor.</p>
80.02	<p>Intersect N. &amp; S. line 2 lks. S. of cor. of            secs. 25, 26, 35 &amp; 36, <del>hereinafter described</del>, whence I run,            N. <math>89^{\circ}45'</math> W., on a true line, bet. secs. 26 &amp; 35.            Over rolling land, through scrub mesquite and catclaw.</p>
40.01	<p>Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in            the ground for <math>\frac{1}{4}</math> sec. cor., marked on brass cap,  <math>\frac{1}{4}</math> S 26 in N., and            S 35 in S. half;            raise a mound of stone 2 ft. base, <math>1\frac{1}{2}</math> ft. high N. of cor.</p>
80.02	<p>To cor. of secs. 26, 27, 34 &amp; 35, <del>hereinafter described</del>.            Land, rolling. Soil, 3rd rate, gravelly, dry.            Sage brush, cacti, mesquite, catclaw, fair grass.</p>
40.00	<p>N. <math>0^{\circ}1'</math> W., bet. secs. 26 &amp; 27.            Over gently rolling land, through scattering mesquite.            Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in            the ground for <math>\frac{1}{4}</math> sec. cor., marked on brass cap,  <math>\frac{1}{4}</math> S 27 in W., and            S 26 in E. half;            raise a mound of stone 2 ft. base, <math>1\frac{1}{2}</math> ft. high W. of cor.</p>
57.00	Centre of draw 5 chs. wide, course E.
68.00	Centre of draw, 7 chs. wide, course E.
80.00	<p>Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in            the ground for cor. of secs. 22, 23, 26 &amp; 27, marked on            brass cap, T 23 S R 29 E, in N. half,            S 22 in NW.,            S 23 in NE.,            S 26 in SE., and            S 27 in SW. quad.;            raise a mound of stone 2 ft. base, <math>1\frac{1}{2}</math> ft. high W. of cor.            Land, rolling. Soil, 3rd rate, gravelly, dry.            Sage brush, mesquite, greasewood, cacti, fair grass.            At this cor., at noon, I set off <math>20^{\circ}06\frac{1}{2}'</math> S. on the decl.            arc, and observe the sun on the meridian.            The resulting lat. is <math>31^{\circ}24\frac{1}{2}'</math> N.</p>



Chains.	S. 89°45' E., on a random line, bet. secs. 23 & 26.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. & S. line 5 lks. N. of cor. of secs. 23, 24, 25 & 26, <del>hereinafter described</del> , whence I run, N. 89°43' W., on a true line, bet. secs. 23 & 26. Over gently rolling land, asc. grad., through scrub mesquite, cacti, etc.
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 23 in N., and S 26 in S. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
80.04	To cor. of secs. 22, 23, 26 & 27, <del>hereinafter described</del> . Land, rolling. Soil, 3rd rate, gravelly, dry. Scrub mesquite, cacti, greasewood, catclaw, fair grass.
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	N. 0° 1' W., bet. secs. 22 & 23. Over gently rolling land, through scrub mesquite. Road, brs. NE. & SW.
15.70	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
40.00	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 S R 29 E, in N. half, S 15 in NW., S 14 in NE., S 23 in SE., and S 22 in SW. quad.;
80.00	raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, rolling. Soil, 3rd rate, gravelly, loose, dry, stony. Mesquite, catclaw, cacti, fair grass.
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	S. 89°43' E., on a random line, bet. secs. 14 & 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. & S. line at cor. of secs. 13, 14, 23 & 24, <del>hereinafter described</del> , whence I run, N. 89°43' W., on a true line, bet. secs. 14 & 23. Over rolling land, through scrub mesquite and catclaw. Wash, 10 lks. wide, course SSE., asc. grad.
5.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 14 in N., and S 23 in S. half; 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.
40.05	Road, brs. N. & S., desc. grad.
62.45	Wash, 10 lks. wide, course S., asc. grad.
71.50	To cor. of secs. 14, 15, 22 & 23, <del>hereinafter described</del> .
80.10	Land, rolling. Soil, 3rd rate, gravelly, dry. Scrub mesquite, catclaw, greasewood, cacti, fair grass.
Jan. 15, 1913. W.H.E.	

Chains	W.H.E. <del>hereinafter described</del>
	<p>Jan. 16, 1913. At 8h a.m., l.m.t., at the cor. of secs. 14, 15, 22 &amp; 23, I set off <math>20^{\circ}55\frac{1}{2}'</math> S. on the decl. arc, and <math>31^{\circ}25'</math> N. on the lat. arc, and determine a meridian with the solar. Thence I run, N. <math>0^{\circ}1'</math> W., bet. secs. 14 &amp; 15. Over gently rolling land, through scrub mesquite. 22.00 Leave mesquite, brs. NW. &amp; SE. 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for <math>\frac{1}{4}</math> sec. cor., marked on brass cap, <math>\frac{1}{4}</math> S 15 in W., and S 14 in E. half; raise a mound of stone 2 ft. base, <math>1\frac{1}{2}</math> ft. high W. of cor. 79.90 Wash, 10 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. 10, 11, 14 &amp; 15, marked on brass cap, T 23 S R 29 E, in N. half, S 10 in NW., S 11 in NE., S 14 in SE., and S 15 in SW. quad.; raise a mound of stone 2 ft. base, <math>1\frac{1}{2}</math> ft. high W. of cor. Land, rolling. Soil, 3rd rate, gravelly, dry. Mesquite, greasewood, cacti, fair grass.</p>
40.00	S. $89^{\circ}43'$ E., on a random line, bet. secs. 11 & 14. Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. & S. line 5 lks. S. of cor. of secs. 11, 12, 13 & 14, <del>hereinafter described</del> , whence I run, N. $89^{\circ}45'$ W., on a true line, bet. secs. 11 & 14. Over rolling land, through scrub mesquite and catclaw. 33.70 Road, brs. NW. & SE. 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 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. 65.43 Road, brs. N. & S. 80.10 To cor. of secs. 10, 11, 14 & 15, <del>hereinafter described</del> . Land, rolling. Soil, 3rd rate, gravelly, loose, dry. Sage brush, mesquite, catclaw, cacti, fair grass.
18.00	N. $0^{\circ}1'$ W., bet. secs. 10 & 11. Over rolling land. Wash, 15 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 10 in W., and S 11 in E. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. 59.03 Road, brs. NW. & SE., desc. grad. 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 S R 29 E, in N. half, S 3 in NW., S 2 in NE., S 11 in SE., and S 10 in SW. quad.; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, rolling. Soil, 3rd rate, gravelly, loose, dry. Sage brush, mesquite, cacti, good grass.
	<p>At this cor., at noon, I set off <math>20^{\circ}55'</math> S. on the decl. arc, and observe the sun on the meridian. The resulting lat. is <math>31^{\circ}27'</math> N.</p>

## Chains.

- S. 89°45' E., on a random line, bet. secs. 2 & 11.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.08 Intersect N. & S. line 5 lks. S. of cor. of  
 secs. 1, 2, 11 & 12, ~~hereinbefore described~~, whence I run,  
 N. 89°47' W., on a true line, bet. secs. 2 & 11.  
 Over rolling land, through catclaw and mesquite.  
 20.30 Road, brs. NW. & SE.  
 40.04 Set an iron post 3 ft. long, 1 in. in diam. 12 ins. in the  
 ground, on bed-rock, in mound of stone 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.  
 71.50 Enter Silver Creek bottom, course ESE.  
 74.50 Silver Creek, 100 lks. wide, course ESE., (dry). asc. grad.  
 80.08 To cor. of secs. 2, 3, 10 & 11, ~~hereinbefore described~~.  
 Land, rolling.  
 Soil, 3rd rate, gravelly, dry, loose.  
 Mesquite, sage brush, catclaw, cacti, fair grass.
- 
- N. 0° 3' E., on a random line, bet. secs. 2 & 3.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 77.32 Intersect North bdy. of Tp. 7 lks. E. of cor. of  
 secs. 2, 3, 34 & 35, which is a lava stone 18x6x6 ins. above ground, marked &  
 witnessed as described by the Surveyor General, whence I run,  
 South, on a true line, bet. secs. 2 & 3.  
 Over rolling land, desc.  
 28.35 Wire fence, brs. E. & W.  
 29.40 Centre of single track of El Paso & Southwestern Railroad,  
 brs. E. & W., on curve to ENE. & WNW.  
 29.70 Telegraph line, brs. E. & W., parallel to R.R.  
 30.00 Wire fence, brs. E. & W., parallel to R.R.  
 37.32 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;  
 raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 54.15 Road, brs. E. & W., main road Douglas to Bernardino and  
 NE. points.  
 56.65 Road, brs. ESE. & WNW.  
 73.15 Enter Silver Creek bottom, brs. E. & W.  
 75.65 Silver Creek wash, (dry) 100 lks. wide, course E.,  
 asc. grad.  
 77.32 To cor. of secs. 2, 3, 10 & 11, ~~hereinbefore described~~.  
 Land, rolling.  
 Soil, 3rd rate, gravelly, dry.  
 Sage brush, greasewood, mesquite, cacti, catclaw.  
 fair grass.

Jan. 16, 1913.

W.H.E.

Chains.	<p>Jan. 17, 1913. <span style="float: right;">J. B. W.</span>  At 8h a.m., l.m.t., at the cor. of secs. 3, 4, 33 &amp; 34,  on the S. bdy. of the Tp., <del>as</del> <sup>recently</sup> established by  me &amp; described in Book D.  I set off <math>20^{\circ}44'</math> S. on the decl. arc, and <math>31^{\circ}22\frac{1}{2}'</math> N. on  the lat. arc, and determine a meridian with the solar.  Thence I run,  N. <math>0^{\circ} 2'</math> W., bet. secs. 33 &amp; 34.  Over mts. land, asc.  8.00 Spur, brs. E. &amp; W., desc. grad. along broken ENE. slope.  34.00 Wash, 20 lks. wide, course SE.  37.00 Stone cabin 8 chs. to W., vacant, near spring.  40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  the ground for <math>\frac{1}{4}</math> sec. cor., marked on brass cap,  <math>\frac{1}{4}</math> S 33 in W., and  S 34 in E. half;  raise a mound of stone 2 ft. base, <math>1\frac{1}{2}</math> ft. high W. of cor.  Asc. steep from cor.  48.00 Ridge, brs. NW. &amp; SE., desc. grad.  66.00 Desc. steep.  76.44 Gulch, 20 lks. wide, course ESE., asc.  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 &amp; 34, marked on  brass cap, T 23 S R 29 E, in N. half,  S 28 in NW.,  S 27 in NE.,  S 34 in SE., and  S 33 in SW. quad.;  raise a mound of stone 2 ft. base, <math>1\frac{1}{2}</math> ft. high W. of cor.  Land, mts., broken.  Soil, 3rd rate, gavelly, stony, dry.  Sage brush, mesquite, cacti, fair grass.</p> <hr/> <p>S. <math>89^{\circ}44'</math> E., on a random line, bet. secs. 27 &amp; 34.  40.00 Set temp. <math>\frac{1}{4}</math> sec. cor.  79.98 Intersect N. &amp; S. line 5 lks. N. of cor. of  secs. 26, 27, 34 &amp; 35, <del>hereinbefore described</del>, whence I run,  N. <math>89^{\circ}42'</math> W., on a true line, bet. secs. 27 &amp; 34.  Over mts. land, asc. grad.  16.00 Road, brs. NNW. &amp; SE.  30.00 Asc. steep.  38.00 Spur, brs. SW. &amp; NE.  39.99 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  the ground for <math>\frac{1}{4}</math> sec. cor., marked on brass cap,  <math>\frac{1}{4}</math> S 27 in N., and  S 34 in S. half;  raise a mound of stone 2 ft. base, <math>1\frac{1}{2}</math> ft. high N. of cor.  Desc. from cor.  47.00 Wash, 20 lks. wide, course NE., asc. steep.  53.00 Asc. grad.  76.00 Desc.  79.98 To cor. of secs. 27, 28, 33 &amp; 34, <del>hereinbefore described</del>.  Land, mts., broken.  Soil, 3rd rate, gravelly, dry, stony.  Greasewood, mesquite, cacti, fair grass.</p>
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Chains.	N. $0^{\circ} 2'$ W., bet. secs. 27 & 28. Over mts. land, asc. grad.
25.00	Top of rise, brs. E. & W., 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 28 in W., and S 27 in E. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
44.00	Desc. steep.
52.00	Wash, 30 lks. wide, course ENE., asc. grad.
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 23 S R 29 E, in N. half, S 21 in NW., S 22 in NE., S 27 in SE., and S 28 in SW. quad.;
	raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, mts., broken. Soil, 3rd rate, gravelly, dry, stony. Sage brush, mesquite, greasewood, cacti, fair grass. At this cor., at noon, I set off $20^{\circ} 43\frac{1}{2}'$ S. on the decl. arc, and observe the sun on the meridian. The observed lat. is $31^{\circ} 24\frac{1}{2}'$ N.
	<hr/>
40.00	S. $89^{\circ} 42'$ E., on a random line, bet. secs. 22 & 27. Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. & S. line 7 lks. S. of cor. of secs. 22, 23, 26 & 27, <del>hereinbefore described</del> , whence I run, N. $89^{\circ} 45'$ W., on a true line, bet. secs. 22 & 27. Over mts. land, asc. grad.
5.95	Road, brs. NNE. & SSW.
26.00	Asc.
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 22 in N., and S 27 in S. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Cor. on top of ridge, brs. N. & S., near S. end.
41.00	Desc. steep.
50.00	Desc. grad.
58.52	Wash, 30 lks. wide, course SE.,
58.90	Road, brs. NW. & SE.
79.96	To cor. of secs. 21, 22, 27 & 28, <del>hereinbefore described</del> . Land, rolling, mts. Soil, 3rd rate, gravelly, dry. Greasewood, cacti, mesquite, fair grass.

## Chains.

- N. 0° 2' W., bet. secs. 21 & 22.  
Over mts. land, asc.
- 2.00 Top of rise, brs. E. & W., desc.
- 9.04 Wash, 30 lks. wide, course E., asc. grad.
- 18.70 Road, brs. NNE. & SSE.
- 20.00 Wash, 10 lks. wide, course 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 21 in W., and S 22 in E. half;  
raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 44.50 Wire fence, brs. NE. & SW.
- 70.00 Gulch, 20 lks. wide, course SW., asc. steep.
- 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 S R 29 E, in N. half, S 16 in NW., S 15 in NE., S 22 in SE., and S 21 in SW. quad.;  
raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Land, rolling, broken, mts.  
Soil, 3rd rate, gravelly, dry.  
Sage brush, greasewood, cacti, mesquite, fair grass.
- 
- S. 89° 45' E., on a random line, bet. secs. 15 & 22.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.94 Intersect N. & S. line 5 lks. N. of cor. of secs. 14, 15, 22 & 23, ~~hereinbefore described~~, whence I run, N. 89° 43' W., on a true line, bet. secs. 15 & 22.  
Over mts. land, asc. grad.
- 30.00 Asc. steep, over rocky ledges.
- 39.97 Set an iron post 3 ft. long, 1 in. in diam. 10 ins. in the ground, on bed-rock, in mound of stone for  $\frac{1}{4}$  sec. cor., marked on brass cap,  $\frac{1}{4}$  S 15 in N., and S 22 in S. half;  
raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 60.00 Ridge, brs. N. & S., desc. steep.
- 79.94 To cor. of secs. 15, 16, 21 & 22, ~~hereinbefore described~~.  
Land, mts., broken, rough.  
Soil, 3rd rate, gravelly, stony, dry.  
Mesquite, cacti, greasewood, sparse grass.

Jan. 17, 1913.

Subdivision of T. 23 S., R. 29 E.

Chains.	Jan. 18, 1913. At 8h a.m., l.m.t., at the cor. of secs. 15, 16, 21 & 22, <sup>heretofore described</sup> I set off 20°32' S. on the decl. arc, and 31°25' N. on the lat. arc, and determine a meridian with the solar, Thence I run, N. 0° 2' W., bet. secs. 15 & 16. Over mts. land, asc. prec. 6.50 Spur, brs. SW. & NE., desc. 15.00 Gulch, 30 lks. wide, course NNW., asc. steep. 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 16 in W., and S 15 in E. half; raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Asc. along W. slope. 72.00 Top of mountain, brs. SSE. & NNW. 77.00 Desc. prec. 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 S R 29 E, in N. half, S 9 in NW., S 10 in NE., S 15 in SE., and S 16 in SW. quad.; raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Land, mts., broken. Soil, 3rd rate, gravelly, dry, stony. Scrub oak, mesquite, cacti, sparse grass.
40.00	S. 89°43' E., on a random line, bet. secs. 10 & 15. Set temp. 1/4 sec. cor.
79.96	Intersect N. & S. line 2 lks. S. of cor. of secs. 10, 11, 14 & 15, <del>heretofore described</del> , whence I run, N. 89°44' W., on a true line, bet. secs. 10 & 15. Over mts. land, desc.
15.00	Gulch, 20 lks. wide, course SSE.
26.00	Same gulch, course NE., asc. grad.
39.98	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 10 in N., and S 15 in S. half; raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
60.00	Asc. steep.
79.96	To cor. of secs. 9, 10, 15 & 16, <del>heretofore described</del> . Land, mts., broken. Soil, 3rd rate, gravelly, dry, stony. Scrub oak, cacti, fair grass.
40.00	N. 0° 2' W., bet. secs. 9 & 10. Over mts. land, desc. NE. slope. Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 9 in W., and S 10 in E. half; raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. At this cor., at noon, I set off 20°31 1/2' S. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 31°26 1/2' N.
47.62	Wire fence, brs. NE. & SW., desc. grad.
63.00	Gulch, 10 lks. wide, course E., asc. steep.
70.00	Spur, brs. E. & W., desc. steep.

Chains.	
80.00	<p>Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 3, 4, 9 &amp; 10, marked on brass cap, T 23 S R 29 E, in N. half,            S 4 in NW.,            S 3 in NE.,            S 10 in SE., and            S 9 in SW. quad.;            raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Land, mts., broken. Soil, 3rd rate, gravelly, stony, dry. Scrub oak, cacti, fair grass.</p>
	<hr/>
40.00	S. 89°44' E., on a random line, bet. secs. 3 & 10.
79.98	<p>Set temp. ¼ sec. cor.            Intersect N. &amp; S. line 5 lks. N. of cor. of secs. 2, 3, 10 &amp; 11, <del>hereinbefore described</del>, whence I run, N. 89°42' W., on a true line, bet. secs. 3 &amp; 10.            Over rolling land, asc. grad.</p>
12.00	N. point of ridge, brs. N. & S., desc. grad.
15.50	Wash, 20 lks. wide, course NNE.
16.00	Road, brs. NNW. & SSE., asc. grad.
39.99	<p>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 3 in N., and            S 10 in S. half;            raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.</p>
64.70	Wire fence, brs. N. & S.
76.00	Desc. grad.
79.00	Wash, 10 lks. wide, course NW., asc. grad.
79.98	<p>To cor. of secs. 3, 4, 9 &amp; 10, <del>hereinbefore described</del>.            Land, rolling, mts.            Soil, 3rd rate, gravelly, dry.            Mesquite, greasewood, sage brush, cacti, fair grass.</p>
	<hr/>
40.00	N. 0° 1' W., on a random line, bet. secs. 3 & 4.
76.90	<p>Set temp. ¼ sec. cor.            Intersect North bdy. of Tp. 7 lks. E. of cor. of secs. 3, 4, 33 &amp; 34, which is a granite stone 12 x 10 x 6 ins. above ground, marked &amp; witnessed as described by the Surveyor General, whence I run,            S. 0° 4' E., on a true line, bet. secs. 3 &amp; 4.            Over heavily rolling land, asc.</p>
2.00	Desc. grad.
14.00	Wash, 10 lks. wide, course NNE.
17.00	Ridge, brs. NNE. & SSW., desc. grad.
20.00	Wash, 10 lks. wide, course E.
22.00	Wash, 10 lks. wide, course NNE., asc.
27.00	Ridge, brs. NE. & SW., desc. grad.
36.90	<p>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 4 in W., and            S 3 in E. half;            raise a mound of stone 2 ft. base, 1½ ft high W. of cor.</p>
37.90	Wash, 10 lks. wide, course E., asc.
51.00	Ridge, brs. E. & W., desc.
58.00	Wash, 10 lks. wide, course ENE., asc.
64.00	Spur, brs. E. & W., desc.
70.00	Wash, 10 lks. wide, course NE., asc.
73.00	Spur, brs. E. & W., desc.
75.90	Wash, 10 lks. wide, course NW., asc.
76.90	<p>To cor. of secs. 3, 4, 9 &amp; 10, <del>hereinbefore described</del>.            Land, mts., very broken. Soil, 3rd rate, gravelly, dry.            Scrub oak, greasewood, cacti, mesquite, fair grass.</p>

Jan. 18, 1913.

J. B. W.



Chains.

Jan. 17, 1913. W. H. E.  
 At 8h a.m., l.m.t., at the cor. of secs. 4, 5, 32 & 33,  
 on the S. bdy. of the Tp. recently established by J.B.W. & described in Book "D"  
 I set off 20°44' S., on the decl. arc, and 31°22½' N. on  
 the lat. arc, and determine a meridian with the solar.  
 Thence I run,  
 N. 0° 2' W, bet. secs. 32 & 33.  
 Over mts. land, asc. steep.  
 28.00 Ridge, brs. ESE. & WNW., desc. steep.  
 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 32 in W., and  
 S 33 in E. half;  
 raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.  
 54.00 Desc. grad.  
 69.00 Wash, 20 lks. wide, course NE., asc. grad.  
 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 S R 29 E, in N. half,  
 S 29 in NW.,  
 S 28 in NE.,  
 S 33 in SE., and  
 S 32 in SW. quad.;  
 raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.  
 Land, mts., broken"  
 Soil, 3rd rate, gravelly, stony.  
 Scrub oak, cacti, fair grass.

S. 89°44' E., on a random line, bet. secs. 28 & 33.  
 40.00 Set temp. ¼ sec. cor.  
 79.96 Intersect N. & S. line 2 lks. N. of cor. of  
 secs. 27, 28, 33 & 34, ~~hereinbefore described~~, whence I run,  
 N. 89°43' W., on a true line, bet. secs. 28 & 33.  
 Over mts. land, desc.  
 7.00 Gulch, 10 lks. wide, course SE., asc.  
 16.00 Ridge, brs. N. & S., desc.  
 20.00 Foot, brs. N. & 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 28 in N., and  
 S 33 in S. half;  
 raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.  
 63.00 Wash, 20 lks. wide, course NNE., asc. grad.  
 79.96 To cor. of secs. 28, 29, 32 & 33, ~~hereinbefore described~~.  
 Land, mts., broken.  
 Soil, 3rd rate, stony, dry.  
 Scrub oak, cacti, greasewood, fair grass.  
 At this cor., at noon, I set off 20°43½' S. on the decl.  
 arc, and observe the sun on the meridian.  
 The resulting lat. is 31°23½' N.

Chains.	N. $0^{\circ} 2'$ W., bet. secs. 28 & 29. Over broken land, desc.
22.50	Wash, 20 lks. wide, course NE.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 in W., and S 28 in E. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
44.15	Wash, 12 lks. wide, course E., asc.
54.00	Spur, brs. E. & W., desc.
62.50	Wash, 10 lks. wide, course E.
79.50	Wash, 20 lks. wide, course SSE., asc.
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 S R 29 E, in N. half, S 20 in NW., S 21 in NE., S 28 in SE., and S 29 in SW. quad.; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, broken, mts. Soil, 3rd rate, gravelly, dry. Sage brush, greasewood, cacti, fair grass.
40.00	S. $89^{\circ} 43'$ E., on a random line, bet. secs. 21 & 28. Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. & S. line 2 lks. S. of cor. of secs. 21, 22, 27 & 28, <del>hereinbefore described</del> , whence I run, N. $89^{\circ} 44'$ W., on a true line, bet. secs. 21 & 28. Over broken land, asc.
20.00	Top of small hill, brs. S. & NW., desc.
34.40	Wash, 20 lks. wide, course S., asc.
39.95	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; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
46.00	Low spur, brs. S. & N., desc.
53.00	Head of wash, course S., asc.
53.71	Wire fence, brs. NE. & SW.
62.00	Desc.
73.00	Foot, brs. NW. & SE.
76.77	Wire fence, brs. ESE. & WNW.
79.90	To cor. of secs. 20, 21, 28 & 29, <del>hereinbefore described</del> . Land, broken, rolling, mts. Soil, 3rd rate, gravelly, dry. Scrub oak, cacti, sparse grass.

Jan. 17, 1913.

Chains.

Jan. 18, 1913. (hereinbefore described)

At 8h a.m., l.m.t., at the cor. of secs. 20, 21, 28 & 29, I set off .20°32' S. on the decl. arc, and 31°24½' N. on the lat. arc, and determine a meridian with the solar.

Thence I run,

N. 0° 2' W., bet. secs. 20 & 21.

Over mts. land, asc.

17.00 Ridge, brs. NNW. & SSE., desc.

29.25 Wash, 20 lks. wide, course NNW., asc. grad.

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;

raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

42.30 Wash, 30 lks. wide, course NE.

47.00 Wash, 30 lks. wide, course E.

48.72 Wire fence, brs. WNW. & ESE.

51.10 Wire fence around tank, brs. E. & W.

52.00 S. bank of tank, earth.

52.80 Wire fence on N. side of tank, brs. E. & W.

53.00 House of Peter Johnson brs. West, 5 chs. dist.

56.00 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 S R 29 E, in N. half, S 17 in NW., S 16 in NE., S 21 in SE., and S 20 in SW. quad.;

raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Land, broken, rolling, mts.

Soil, 3rd rate gravelly, dry.

Scrub oak, cacti, mesquite, greasewood, sparse grass.

S. 89°44' E., on a random line, bet. secs. 16 & 21.

40.00 Set temp. ¼ sec. cor.

79.96 Intersect N. & S. line 2 lks. S. of cor. of secs. 15, 16, 21 & 22, hereinbefore described, whence I run, N. 89°45' W., on a true line, bet. secs. 16 & 21.

Over broken, rolling land, asc. prec.

6.00 Spur, brs. SW. from NE., desc. prec.

25.00 Desc. grad.

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 16 in N., and S 21 in S. half;

raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.

40.50 Wash, 30 lks. wide, course SSE., asc.

57.00 Ridge, brs. N. & S., desc. grad.

79.96 To cor. of secs. 16, 17, 20 & 21, hereinbefore described.

Land, rolling, mts.

Soil, 3rd rate, gravelly, stony.

Scrub oak, cacti, fair grass.

At this cor., at noon, I set off .20°31½' S. on the decl. arc and observe the sun on the meridian.

The resulting lat. is 31°25' N.

Chains.	
	N. 0° 2' W., bet. secs. 16 & 17.
	Over mts. land, asc. grad. over heavily rolling hills.
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;
	raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
51.00	Ridge, brs. NNW. & SSE.
64.52	Wash, 15 lks. wide, course SE., asc. grad.
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 S R 29 E, in N. half,
	S 8 in NW.,
	S 9 in NE.,
	S 16 in SE., and
	S 17 in SW. quad.;
	raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
	Land, mts., broken.
	Soil, 3rd rate, gravelly, dry.
	Scrub oak, cacti, fair grass.
	K
	S. 89° 45' E., on a random line, bet. secs. 9 & 16.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. & S. line 7 lks. S. of cor. of
	secs. 9, 10, 15 & 16, <del>hereinafter described</del> , whence I run,
	N. 89° 48' W., on a true line, bet. secs. 9 & 16.
	Over mts. land, asc. prec.
4.00	Top of mountain, brs. NNW. & SSE., desc. steep.
16.00	Gulch, 30 lks. wide, course SSW., asc. steep.
27.68	Spur, brs. SSW. & NNE., desc. steep.
39.98	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
	the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S 9 in N., and
	S 16 in S. half;
	raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
64.00	Desc. grad.
68.00	Wash, 20 lks. wide, course SSE., asc.
79.96	To cor. of secs. 8, 9, 16 & 17, <del>hereinafter described</del> .
	Land, mts., broken.
	Soil, 3rd rate, gravelly, dry.
	Scrub oak, cacti, greasewood, mesquite brush, fair grass.
	Jan. 18, 1913.
	Jan. 19, 1913. <del>hereinafter described</del>
	At 8h a.m., l.m.t., at the cor. of secs. 8, 9, 16 & 17,
	I set off 20° 19 $\frac{1}{2}$ ' S. on the decl. arc, and 31° 26' N. on
	the lat. arc, and determine a meridian with the solar.
	Thence I run,
	N. 0° 2' W., bet. secs. 8 & 9.
	Over mts. land, asc. grad.
10.00	Top of rise, brs. NNW. & SSE., desc. steep.
21.00	Wash, 20 lks. wide, course SE., 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 8 in W., and
	S 9 in E. half;
	raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
79.00	Top of mountain, brs. NNW. & SSE., desc. grad.

Subdivision of T. 23 S., R. 29 E.

Chains.

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 S R 29 E, in N. half,  
 S 5 in NW.,  
 S 4 in NE.,  
 S 9 in SE., and  
 S 8 in SW. quad.;  
 raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.  
 Land, mts., broken.  
 Soil, 3rd rate, gravelly, stony, dry.  
 Scrub oak, cacti, fair grass.

40.00 S. 89°48' E., on a random line, bet. secs. 4 & 9.  
 Set temp. ¼ sec. cor.

80.04 Intersect N. & S. line 9 lks. N. of cor. of secs. 3,4,9 & 10, ~~hereinbefore described~~, whence I run, N. 89°44' W., on a true line, bet. secs. 4 & 9.  
 Over rolling, stony land, desc. grad.

12.00 Wash, 10 lks. wide, course NNE., asc. grad.

36.00 Ridge, brs. N. & SE., desc.

40.02 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap,  
 ¼ S 4 in N., and  
 S 9 in S. half;

raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.

42.50 Wash, 10 lks. wide, course N., asc.

60.00 Asc. steep.

80.04 To cor. of secs. 4,5,8 & 9, ~~hereinbefore described~~.

Land, mts., rolling.  
 Soil, 3rd rate, gravelly, stony, dry.  
 Scrub oak, cacti, fair grass.  
 At this cor., at noon, the sky is overcast, impracticable to observe the lat.

40.00 N. 0° 4' W., on a random line, bet. secs. 4 & 5.  
 Set temp. ¼ sec. cor.

76.70 Intersect North bdy. of Tp. 2 lks. E. of cor. of secs. 4,5,32 & 33, which is a granite stone 10x8x6 ins. above ground, marked & witnessed as described, by the Surveyor General, whence I run, S. 0° 5' E., on a true line, bet. secs. 4 & 5.  
 Over heavily rolling land, asc.

7.00 Wash, 20 lks. wide, course E. asc.

20.00 Low spur, brs. WSW. & ENE. desc.

27.00 Wash, 30 lks. wide, course ENE., asc.

32.00 Low spur, brs. E. & W., desc.

36.70 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap,  
 ¼ S 5 in W., and  
 S 4 in E. half;

raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

37.00 Wash, 20 lks. wide, course ENE., asc.

40.00 Low ridge, brs. E. & W., desc.

45.00 Wash, 20 lks. wide, course ENE., asc. grad.

52.00 Asc. prec.

76.00 Top of mountain, brs. ESE. & WNW.

76.70 To cor. of secs. 4,5,8 & 9, ~~hereinbefore described~~.  
 Land, rolling, mts., broken.

Soil, 3rd rate, gravelly, stony, dry.

Scrub oak, cacti, good grass.

Jan. 19, 1913.

W. H. E.

Chains.	
	<p>Jan. 19, 1913. <span style="float: right;">J. B. W.</span>            At 8h a.m., l.m.t., at the cor. of secs. 5, 6, 31 &amp; 32,            On the S. bdy. of the Tp., recently estab. by me &amp; described in Book D,            I set off, 20°19½' S. on the decl. arc, and 31°22½' N. on            the lat. arc, and determine a meridian with the solar.            Thence I run,            N. 0° 3' W., bet. secs. 31 &amp; 32.            Over rough mts. land, desc. along ENE. slope of mt'n.</p>
4.00	Low gap 20 chs. to E.
22.00	Gulch, 30 lks. wide, course NE.
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 31 in W., and S 32 in E. half; raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
41.00	Gulch, 30 lks. wide, course NE.
77.00	Wash, 10 lks. wide, course NE., asc. grad.
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 S R 29 E, in N. half, S 30 in NW., S 29 in NE., S 32 in SE., and S 31 in SW. quad.;
	raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Land, mts., broken. Soil, 3rd rate, stony, dry. Scrub oak, cacti, greasewood, fair grass.
40.00	S. 89°44' E., on a random line, bet. secs. 29 & 32. Set temp. ¼ sec. cor.
79.94	Intersect N. & S. line 7 lks. N. of cor. of secs. 28, 29, 32 & 33, <del>hereinbefore described</del> , whence I run, N. 89°41' W., on a true line, bet. secs. 29 & 32. Over mts. land, asc.
4.00	Top of spur from N., desc. along S. slope of ridge.
15.00	Asc. steep.
31.00	Ridge, brs. ENE. & WSW., desc.
35.00	Head of wash, course N., asc.
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 29 in N., and S 32 in S. half;
44.00	raise a mound of stone 2 ft. base, 1½ ft. high N. of cor. Spur, brs. S. & N., to N., desc.
70.00	Wash, 30 lks. wide, course NE., asc. grad.
79.94	To cor. of secs. 29, 30, 31 & 32, <del>hereinbefore described</del> . Land, mts., broken. Soil, 3rd rate, gravelly, dry. Scrub oak, mesquite, greasewood, cacti, good grass. At this cor., at noon, clouds obscure the sun, impracticable to observe the lat.
40.00	N. 89°44' W., on a random line, bet. secs. 30 & 31. Set temp. ¼ sec. cor.
97.40	Intersect West bdy. of Tp. 5 lks. N. of cor. of secs. 25, 30, 31 & 36, which is a porphyry stone 12x8x7 ins. above ground, marked and witnessed as described by the Surveyor-General, whence I run, S. 89°46' E., on a true line, bet. secs. 30 & 31. Over mts. land, asc.
20.00	Top of mountain, brs. N. & S., desc. steep.
57.40	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 30 in N., and S 31 in S. half;

Chains.

97.40 raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.  
 Desc. grad. from cor. along S. bank of gulch.  
 To cor. of secs. 29, 30, 31 & 32, hereinbefore described.  
 Land, mts.  
 Soil, 3rd rate, gravelly, stony, dry.  
 Scrub oak, cacti, good grass.

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N. 0° 3' W., bet. secs. 29 & 30.  
 Over mts. land, desc.  
 10.00 Gulch, 20 lks. wide, course E., asc. grad.  
 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 30 in W., and  
 S 29 in E. half;  
 raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.  
 desc. from cor.  
 52.00 Wash, 12 lks. wide, course ESE., asc.  
 60.00 Spur, brs. E. & W., desc.  
 62.00 Desc. steep.  
 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 S R 29 E, in N. half,  
 S 19 in NW.,  
 S 20 in NE.,  
 S 29 in SE., and  
 S 30 in SW. quad.;  
 raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.  
 Land, mts., broken.  
 Soil, 3rd rate, gravelly, dry.  
 Scrub oak, greasewood, cacti, good grass.

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40.00 S. 89°41' E., on a random line, bet. secs. 20 & 29.  
 Set temp. ¼ sec. cor.  
 79.90 Intersect N. & S. line 5 lks. S. of cor. of  
 secs. 20, 21, 28 & 29, hereinbefore described, whence I run,  
 N. 89°43' W., on a true line, bet. secs. 20 & 29.  
 Over mts. land, desc.  
 1.00 Wash, 35 lks. wide, course ESE.  
 12.65 Wash, 40 lks. wide, course NE., asc. grad.  
 39.95 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  
 the ground for ¼ sec. cor., marked on brass cap,  
 ¼ S 20 in N., and  
 S 29 in S. half;  
 raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.  
 Desc. grad. from cor.  
 45.00 Wash, 50 lks. wide, course ESE., asc. over granite ledges.  
 70.00 Desc. grad.  
 79.90 To cor. of secs. 29, 20, 29 & 39, hereinbefore described.  
 Land, broken, mts.  
 Soil, 3rd rate, gravelly, stony.  
 Scrub oak, greasewood, cacti, good grass in places.

Jan. 19, 1913. J.B. W.

Chains.	<p>Jan. 22, 1913.</p> <p>At 8h a.m., l.m.t., at the cor. of secs. 19, 20, 29 &amp; 30, <del>we</del> <sup>hereinbefore described</sup> set off 19°40' S. on the decl. arc, and 31°24½' N. on the lat. arc, and determine a meridian with the solar. Thence we run,</p> <p>N. 89°46' W., on a random line, bet. secs. 19 &amp; 30.</p> <p>40.00 Set temp. ¼ sec. cor.</p> <p>97.35 Intersect West bdy. of Tp. 7½ lks. S. of cor. of secs. 19, 24, 25 &amp; 30, which is a quartzite stone 10x8x7 ins. above ground, marked and witnessed as described by the Surveyor-General, whence we run,</p> <p>S. 89°43' E., on a true line, bet. secs. 19 &amp; 30.</p> <p>Over mts. land, asc. along S. side of spur.</p> <p>40.00 Top of mountain, brs. N. &amp; S.</p> <p>42.00 Desc. prec.</p> <p>57.35 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 19 in N., and S 30 in S. half;</p> <p>raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.</p> <p>60.00 Desc. abrupt, cliff 75 ft. high, brs. N. &amp; S.</p> <p>65.00 Cliff 100 ft. high 15 ft. to S. of line. desc. prec.</p> <p>72.00 Desc. grad.</p> <p>87.00 Gulch, 30 lks. wide, course ENE.</p> <p>97.35 To cor. of secs. 19, 20, 29 &amp; 30, <del>hereinbefore described</del>. Land, mts., broken. Soil, 3rd rate, gravelly, stony. Scrub oak, cacti, fair grass.</p> <hr/> <p>N. 0° 3' W., bet. secs. 19 &amp; 20.</p> <p>Over mts. land, desc. steep.</p> <p>4.00 Gulch, 40 lks. wide, course ENE., asc. steep.</p> <p>18.00 Spur, brs. E. &amp; W., desc. steep.</p> <p>33.00 Gulch, 30 lks. wide, course E., asc. steep.</p> <p>39.65 Ridge, brs. E. &amp; W., desc. steep.</p> <p>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 19 in W., and S 20 in E. half;</p> <p>raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.</p> <p>55.00 Wash, 20 lks. wide, course E., asc. grad.</p> <p>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 &amp; 20, marked on brass cap, T 23 S R 29 E, in N. half, S 18 in NW., S 17 in NE., S 20 in SE., and S 19 in SW. quad.;</p> <p>raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.</p> <p>Land, mts., broken. Soil, 3rd rate, gravelly, stony. Scrub oak, cacti, good grass.</p>
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Chains.	S. 89°43' E., on a random line, bet. secs. 17 & 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. & S. line 2 lks. N. of cor. of secs. 16, 17, 20 & 21, <del>hereinafter described</del> , whence <sup>we</sup> run, N. 89°42' W., on a true line, bet. secs. 17 & 20. Over broken rolling land.
10.50	Wash, 10 lks. wide, course S.
15.70	Wash, 20 lks. wide, course SSE.
23.00	Road, brs. ESE. & WNW.
39.98	Set an iron post 3 ft. long, 1 in. in diam. 10 ins. in the ground, on bed-rock, in mound of stone 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.
40.50	Wash, 20 lks wide, course ESE., thence along same.
45.50	Leave wash to N. of line., asc. grad.
79.96	To cor. of secs. 17, 18, 19 & 20, <del>hereinafter described</del> . Land, rolling, broken. Soil, 3rd rate, gravelly, dry. Greasewood, mesquite brush, cacti, fair grass.
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40.00	N. 89°43' W., on a random line, bet. secs. 18 & 19. Set temp. $\frac{1}{4}$ sec. cor.
97.25	Intersect West bdy. of Tp. 9 lks. N. of cor. of secs. 13, 18, 19 & 24, which is a limestone 10x6x6 ins. above ground, marked and witnessed as described by the Surveyor-General, whence we run, S. 89°47' E., on a true line, bet. secs. 18 & 19. Over rolling land, asc. grad.
7.00	Low ridge, brs. NW. & SE., desc.
17.00	Wash, 20 lks. wide, course SW., asc. steep.
41.00	Top of N. slope of ridge, cliffs 50 ft. high, E. & W., 1 ch. to S. of line, desc. prec.
57.25	Set an iron post 3 ft. long, 1 in. in diam. 10 ins. in the ground, on bed-rock, in mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 18 in N., and S 19 in S. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
77.00	Wash, 10 lks. wide, course NE., thence over rolling land.
92.00	Wash, 20 lks. wide, course N., joins above wash 5 chs. to N.
97.25	To cor. of secs. 17, 18, 19 & 20, <del>hereinafter described</del> . Land, rolling, broken, mts. Soil, 3rd rate, gravelly, stony, dry. Scrub oak, mesquite brush, cacti, fair grass.

Chains.	
	N. 0° 3' W., bet. secs. 17 & 18. Over mts. land. desc. grad.
11.00	Wash, 40 lks. wide, course E., asc. grad.
14.00	Low ridge, brs. E. & W., desc.
21.80	Wash, 25 lks. wide, course ESE., asc.
22.00	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 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. Rocky butte brs. N. & S., 3 chs. to W. of cor.
48.00	Gulch, 40 lks. wide, course SSE., thence along E. edge of same.
50.00	House of Patrick Smith brs. West, 20 chs. dist.
70.00	Leave gulch to W. of line, asc. prec.
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 S R 29 E, in N. half; S 7 in NW., S 8 in NE., S 17 in SE., and S 18 in SW. quad.; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, mts., broken. Soil, 3rd rate, stony, gravelly, dry. Sage brush, mesquite, greasewood, cacti, sparse grass.
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	S. 89° 42' E., on a random line, bet. secs. 8 & 17.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. & S. line 5 lks. N. of cor. of secs. 8, 9, 16 & 17, <del>hereinbefore described</del> , whence <sup>we</sup> run, N. 89° 40' W., on a true line, bet. secs. 8 & 17. Over broken, mts. land, desc. grad.
8.00	Gulch, 20 lks. wide, course SE., asc.
15.00	Ridge, brs. NW. & SE., desc.
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 8 in N., and S 17 in S. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Asc. prec. from cor.
56.00	Ridge, brs. NW. & SE., desc. prec.
79.98	To cor. of secs. 7, 8, 17 & 18, <del>hereinbefore described</del> . Land, broken, mts. Soil, 3rd rate, gravelly stony. Scrub oak, cacti, greasewood, fair grass. At noon, on this date, clouds overcast the sun, impracticable to observe the lat.

Chains.

N. 89°47' W., on a random line, bet. secs. 7 & 18.  
 40.00 Set temp. ¼ sec. cor.  
 97.01 Intersect West bdy. of Tp. 2 lks. S. of cor. of  
 secs. 7, 12, 13 & 18, which is a cross chiseled on  
 porphyry bed-rock, marked and witnessed as described  
 by the Surveyor-General, whence we run,  
 S. 89°46' E., on a true line, bet. secs. 7 & 18.  
 Over mts. land, desc. grad.  
 45.00 Wash, 30 lks. wide, course SE., asc.  
 46.50 Road, brs. NW. & SE.  
 57.01 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 7 in N., and  
 S 18 in S. half;  
 raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.  
 60.00 Asc. steep.  
 67.00 S. point of spur from N., desc. steep.  
 73.00 Gulch, 30 lks. wide, course S., asc. prec.  
 84.00 High ridge, brs. SSW. & NNE., desc. prec.  
 93.00 Gulch, 40 lks. wide, course SSE., asc. steep.  
 97.01 To cor. of secs. 7, 8, 17 & 18, ~~hereinbefore described~~.  
 Land, mts., broken.  
 Soil, 3rd & 4th rate, gravelly, stony, dry.  
 Scrub oak, greasewood, sage brush, cacti, fair grass.  
 Jan. 22, 1913, J.B.W. & W.H.E.

J.B.W.

Jan. 23, 1913. ~~hereinbefore described~~  
 At 8h a.m., l.m.t., at the cor. of secs. 7, 8, 17 & 18,  
 I set off 19°26½' S. on the decl. arc, and 31°26' N. on  
 the lat. arc, and determine a meridian with the solar.  
 Thence I run,  
 N. 0° 3' W., bet. secs. 7 & 8.  
 Over very rough, mts. land, desc.  
 5.50 Gulch, 20 lks. wide, course W., asc. steep over barren  
 granite ledges and bluffs.  
 23.00 Over jutting granite crags.  
 30.00 Top of high spur from ENE., desc. prec.  
 36.00 Canyon 150 lks. wide, course W., asc. prec.  
 40.00 Top of granite peak, brs. NNE. & SSE.  
 Set an iron post 3 ft. long, 1 in. in diam. 6 ins. in  
 the ground, on bed-rock in mound of stone for ¼ sec.  
 cor., marked on brass cap,  
 ¼ S 7 in W., and  
 S 8 in E. half;  
 raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.  
 Desc. prec. from cor.  
 60.00 Foot of granite bluffs, brs. NE. & SW., thence along  
 west slope, small plateau on mountain side.  
 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 S R 29 E, in N. half,  
 S 6 in NW.,  
 S 5 in NE.,  
 S 8 in SE., and  
 S 7 in SW. quad.;  
 raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.  
 Land, rough, mts.  
 Soil, 3rd rate, stony, gravelly, dry.  
 Scrub oak, greasewood, cacti, good grass in places.

Chains.	S. 89°40' E., on a random line, bet. secs. 5 & 8.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. & S. line 2 lks. S. of cor. of secs. 4, 5, 8 & 9, <del>hereinbefore described</del> , whence I run, N. 89°41' W., on a true line, bet. secs. 5 & 8. Over broken, mts. land, desc. SSW. slope.
29.00	Gulch, 30 lks. wide, course SSE., asc. steep.
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; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Asc. prec. from cor. over bluffs.
53.00	Granite ledge, 100 ft. high, brs. N. & S., asc. abruptly.
54.00	Top of mountain, brs. S. & N., high peak 25 chs. to N. desc. over rough, broken land.
80.02	To cor. of secs. 5, 6, 7 & 8, <del>hereinbefore described</del> . Land, mts., very rough. Soil, 3rd rate, stony, dry. Scrub oak, cacti, few oak trees, fair grass.
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	N. 89°46' W., on a random line, bet. secs. 6 & 7.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
96.81	Intersect West bdy. of Tp. 5 lks. N. of cor. of secs. 1, 6, 7 & 12, which is a porphyry stone 6x6x6 ins. above ground, marked and witnessed as described by the Surveyor-General, whence I run, S. 89°48' E., on a true line, bet. secs. 6 & 7. Over broken land, desc. grad.
56.25	Wash, 15 lks. wide, course WNW., asc. prec. bluffs.
56.81	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. At this cor., at noon, the sky is overcast, impracticable to observe the latitude.
90.00	Top of bluff, brs. N. & S., asc. grad.
96.81	To cor. of secs. 5, 6, 7 & 8, <del>hereinbefore described</del> . Land, mts., very rough in places. Soil, 3rd rate, stony, dry. Scrub oak, cacti, fair grass.
<hr/>	
	N. 0° 6' W., on a random line, bet. secs. 5 & 6.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
76.40	Intersect North bdy. of Tp. 19 lks. E. of cor. of secs. 5, 6, 31 & 32, as heretofore re-established by me, & described, in Book A, whence I run, S. 0° 14' E., on a true line, bet. secs. 5 & 6. Over very rough, mts. land, asc. prec. NE. slope.
10.00	Top of rise, on E. side of College Peak, desc. prec. SE. slope.
26.40	Gulch, near head, course E., asc. prec.
36.40	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; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
41.40	Foot of cliff, brs. NW. & SE., asc. abrupt.
47.00	Top of high mountain ridge, brs. NW. & SE., 2,000 ft. above valley to E. & W., desc. over rough granite ledges, WSW. slope, through dense scrub oak.
76.40	To cor. of secs. 5, 6, 7 & 8, <del>hereinbefore described</del> . Land, rough, mts. Soil, 3rd rate, stony, dry. Scrub oak, cacti, few oak and cedar trees, sparse grass.

Jan. 23, 1913. J. B. W.

Subdivision of T. 23 S., R. 29 E.

27

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28-29  
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## -----General Description.-----

T. 23 S., R. 29 E. is rolling in the eastern, and broken and mountainous in the western portions. There is considerable land suitable for dry farming in the eastern portion, and along the valleys of the broad draws and washes, in many places in the Tp. Peter Johnson is located in sec. 20, and has good houses, windmills, corrals, fences, and valuable improvements. A small stone cabin at a spring in sec. 33 was noted, owner, unknown. No water available for irrigation. The rock formation of the mountains is syenite, basalt, with ledges of limestone in places. No indications of mineral noted. There is no timber in the Tp.

Jan. 23, 1913.

Joseph A. Wright  
William A. Elliott

U. S. Surveyors.



See Book " C "

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

U. S. Surveyor.

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



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz., *Jan. 26*, 1914

The foregoing field notes of the survey of \_\_\_\_\_  
 the Subdivision lines of \_\_\_\_\_  
 Township 23<sup>0</sup> South, Range 29 East, of the  
 Gila & Salt River Base & Meridian, Arizona.

executed by Jesse B. Wright & William H. Elliott, U.S. Surveyors  
 under <sup>their supplemental</sup> ~~his special~~ instructions dated November 27, 1912, 191\_\_\_\_, 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.

~~I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.~~