

FIELD NOTES ^{BOOK 2481}

OF THE SURVEY OF THE

- > South Boundary Township 22 South, Range 30 East,
- > West boundary Township 23 South, Range 30 East,
- > South boundary Township 23 South, Range 30 East,
- > South boundary fracl. Township 23 South, Range 32 East,
- > South boundary Township 19 South, Range 19 East,
- > East boundary Township 19 South, Range 19 East,
- > East boundary Township 19 South, Range 18 East,

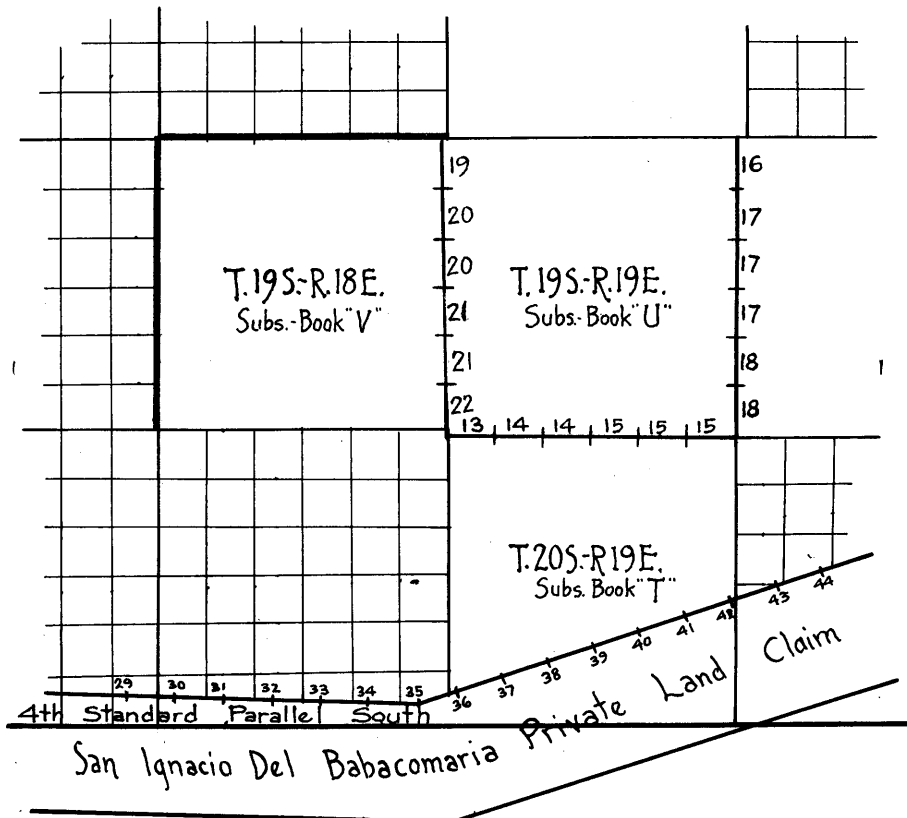
Of the Gila and Salt River Base and Meridian,
In the State of Arizona,

EXECUTED BY
William H. Elliott,

In the capacity of U.S. Surveyor, under special and supplemental instructions dated Oct. 6, 1911, Nov. 27, 1912, and Jan. 13, 1913, 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, Oct. 14, 1911, Dec. 5, 1912, and Jan. 18, 1913, pursuant to authority contained in the Act of Congress, dated Aug. 24, 1912.

Survey commenced	Nov. 24,	1912.
Survey completed	Mar. 15,	1913.

1A



= Symbols =

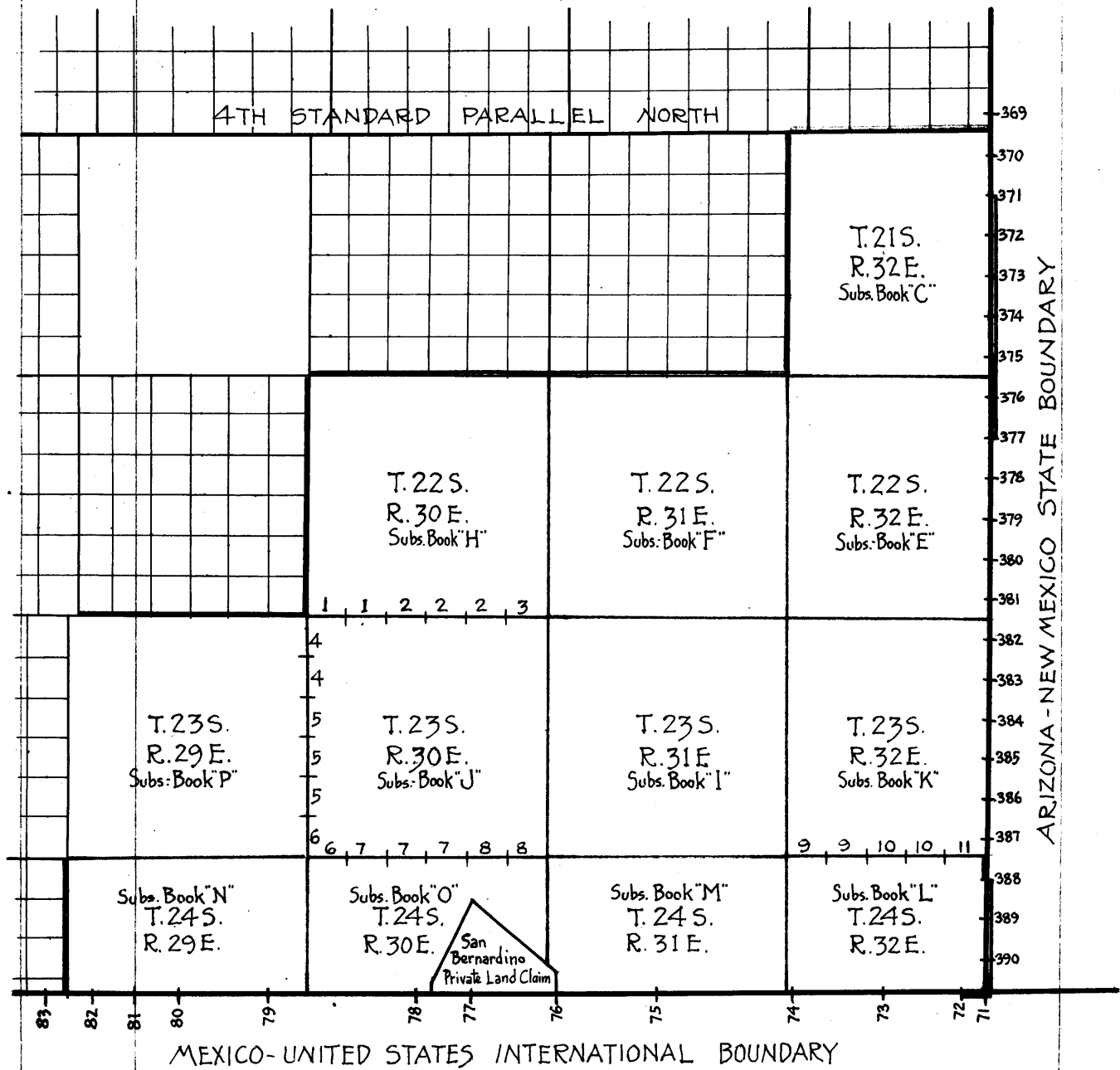
Accepted Surveys.

This Book.

Book "D"

Book "B"

Book "A"



18

Chains.

Nov. 24, 1912.

At 8h a.m., l.m.t., at the cor. of Tps. 22 & 23 S., Rs. 30 & 31 E., as recently established by J.B. Wright, and by him described in Book D, which is an iron post, 3 ins. in diam., properly marked and witnessed,

I set off $20^{\circ} 31\frac{1}{2}'$ S. on the decl. arc, and $31^{\circ} 28'$ N. on the lat. arc, and determine a meridian with the solar, and test said meridian by comparison with the true meridian on the West bdy. of T. 22 S., R. 31 E., as established by J.B. Wright; & described in Book "D"

I find my solar meridian correct; therefore, from this corner, I run, as per instructions,

West, on a random line, setting temp. $\frac{1}{4}$ and sec. cors. at intervals of 40 and 80 chs."

At 6 miles, 11.85 chs. I intersect the East bdy. of T. 22 S., R. 29 E., at a point 28 lks. N. of the cor. of Tps. 22 & 23 S., Rs. 29 & 30 E., as heretofore re-established by Jesse B. Wright & described by him in Book A,

Thence I run,

N. $89^{\circ} 58'$ E., on a true line, on S. bdy. of Tp., bet. secs. 6 & 31.

Var. 13° E.

Over rolling land, through scrub mesquite and greasewood.

22.15 Wash, 20 lks. wide, course SW.

48.25 Wash, 40 lks. wide, course S.

51.85 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 31 in N., and
 S 6 in S. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Windmill of J.R. Head, brs. N. $18^{\circ} 10'$ W., over 1 mile dist."

91.85 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 5, 6, 31 & 32, marked on brass cap, T 22 S in N.,
 T 23 S in S., and
 R 30 E, in W. half;
 S 31 in NW.,
 S 32 in NE.,
 S 5 in SE., and
 S 6 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. Mesquite brush, greasewood, cacti, good grass.

N. $89^{\circ} 58'$ E., bet. secs. 5 & 32.

Over rolling land.

32.30 Old road, brs. N. & S.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 32 in N., and
 S 5 in S. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

54.00 Blackberry Creek, (dry), 100 lks. wide, course S.

61.10 Road, brs. NW. & SE.

66.30 Road, brs. NW. & SE.

70.00 Cleared tract of 30 acres 15 chs. to S. of line.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 32 & 33, marked on brass cap, T 22 S, in N., T 23 S, in S., and R 30 E, in W. half, S 32 in NW.,
 S 33 in NE.,
 S 4 in SE., and
 S 5 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, sandy, gravelly, dry. Sage brush, cacti, greasewood, fair grass.

At this cor., at noon, I set off $20^{\circ} 35'$ S. on the decl. Arc, and observe the sun on the meridian.

The resulting lat. is $31^{\circ} 28'$ N.

BOOK 248

Chains.

- N. 89°58' E., on a true line, bet. secs. 4 & 33.
Over rolling land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap
 $\frac{1}{4}$ S 33 in N., and
S 4 in S. half;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. S. spur from low hill to N., brs. S. & N., desc. grad.
- 63.00 Wash, 20 lks. wide, course S., asc. grad.
- 66.00
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 3, 4, 33 & 34, marked on brass cap, T 22 S in N.,
T 23 S in S., and
R 30 E in W. half,
S 33 in NW.,
S 34 in NE.,
S 3 in SE., and
S 4 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, cacti, good grass.
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- N. 89°58' E., bet. secs. 3 & 34.
Over rolling, stony, 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 34 in N., and
S 3 in S. half;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Old wire drift fence, brs. N. 28° E. & S. 28° W.
- 41.10
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 2, 3, 34 & 35, marked on brass cap, T 22 S in N.,
T 23 S in S., and
R 30 E in W. half,
S 34 in NW.,
S 35 in NE.,
S 2 in SE., and
S 3 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, stony. Sage brush, cacti, good grass.
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- N. 89°58' E., bet. secs. 2 & 35.
Over rolling land, desc. grad.
- 1.00 Wash, 10 lks. wide, course SE.
- 2.00 Wash, 15 lks. wide, course S., asc. volcanic hill.
- 20.00 An old crater covering about 80 acres, (circular), brs. south, 25 chs. to centre.
- 28.35 Build mound of stone 5 ft. high on line on volcanic ledge near W. top of hill.
- 33.00 Top of volcanic hill, brs. NNE. & SW., desc. 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 35 in N., and
S 2 in S. half;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Desc. grad.
- 50.00
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 2, 35 & 36, marked on brass cap, T 22 S in N., T 23 S in S., and R 30 E in W. half,
S 35 in NW.,
S 36 in NE.,
S 1 in SE., and
S 2 in SW. quad.;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, rolling, hilly. Soil, 3rd rate, stony, dry, loose. Sparse sage brush, cacti, good grass.

Chains.

BOOK 2481

40.00 N. 89°58' E., bet. secs. 1 & 36.
 Over gently rolling, stony, grassy plain.
 Set an iron post 8 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 36 in N., and
 S 1 in S. half;
 raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.
 70.00 Desc.
 80.00 To cor. of Tps. 22 & 23 S., Rs. 30 & 31 E., described in Book
 Land, rolling.
 Soil, 3rd rate, gravelly, stony, dry, loose.
 Sparse sage brush, cacti, fine grass.

General Description.

The South Boundary of T. 22 S., R. 30 E. runs over a smooth or gently rolling valley, covered mostly with loose volcanic stones or tufa, and dotted with low volcanic buttes. The country is well covered with native grass, and is of but little value except for grazing purposes. There is no water or timber along the line.

T. 22 S., R. 30 E.
 Latitudes, departures, and closing errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
		Chs.	Chs.	Chs.	Chs.	Chs.
South Boundary,	S. 89°58' W.	491.85	-----	0.28	-----	491.85
West Boundary,						
	N. 0° 50' E.	199.45	199.42	-----	2.91	-----
	N. 0° 21' E.	40.07	40.07	-----	0.24	-----
	N. 2° 09' E.	80.11	80.05	-----	3.00	-----
	N. 0° 45' W.	40.24	40.24	-----	0.52	-----
	N. 0° 25' W.	40.04	40.04	-----	0.29	-----
	N. 0° 32' E.	40.20	40.20	-----	0.37	-----
	N. 0° 25' W.	40.35	40.35	-----	0.29	-----
North Boundary,						
	N. 89°20' E.	40.28	0.47	-----	40.28	-----
	N. 89°48' E.	80.60	0.28	-----	80.60	-----
	S. 89°43' E.	81.10	-----	0.40	81.10	-----
	N. 89°54' E.	81.86	0.14	-----	81.86	-----
	S. 89°27' E.	39.36	-----	0.38	39.36	-----
	S. 89°48' E.	40.46	-----	0.14	40.46	-----
	S. 89°45' E.	40.39	-----	0.18	40.39	-----
	N. 89°46' E.	81.68	0.32	-----	81.68	-----
East Boundary,	South,	480.00	-----	480.00	-----	-----
Convergency,					0.44	-----
Totals,			481.58	481.38	492.69	492.95
			481.38	-----	-----	492.69
Error in Lat.,			0.20	Error in Dep.,	0.26	

Nov. 24, 1912.

William H. Ellis
 U. S. Surveyor.

Chains.

Dec. 10, 1912.

At 8h a.m., l.m.t., at the cor. of Tps. 22 & 23 S.,
Rs. 29 & 30 E., heretofore re-established by Jesse B. Wright
& described, by him in Book —

I set off $22^{\circ}52' S.$ on the decl. arc, and $31^{\circ}28' N.$ on the
lat. arc, and determine a meridian with the solar.

Thence I run, as per instructions,
South, on range line, bet. secs. 1 & 6.

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

Over rolling land, through dense scrub mesquite and
cacti.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 1 in W., and
S 6 in E. half;

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

68.00 Enter draw, course SE.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
the ground for cor. of secs. 1, 6, 7 & 12, marked on
brass cap, T 23 S, in N. half,
R 29 E S 1 in NW.,
R 30 E S 6 in NE.,
S 7 in SE., and
S 12 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.

Mesquite, scrub oak, greasewood, sage brush, cacti, good
native grass.

South, bet. secs. 7 & 12.

Over rolling land, in draw.

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 12 in W., and
S 7 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.

41.00 Leave draw, course SE., asc. gently.

47.00 Road, brs. ESE. & WNW.

52.00 Desc.

63.00 Enter draw, course ESE.

68.00 Silver Creek, (dry) 100 lks. wide, course ESE.

71.00 House, unoccupied, 12 chs. to E.

72.00 Leave draw, course ESE., asc. gently.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
the ground for cor. of secs. 7, 12, 13 & 18, marked on
brass cap, T 23 S, in N. half,
R 29 E S 12 in NW.,
R 30 E S 7 in NE.,
S 18 in SE., and
S 13 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.

Mesquite, greasewood, cacti, good grass.

Chains.	South, bet. secs. 13 & 18. Over rolling land.
20.15	Wash, 15 lks. wide, course SE.
32.90	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 13 in W., and S 18 in E. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Enter scattering mesquite and greasewood.
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 13, 18, 19 & 24, marked on brass cap, T 23 S, in N. half, R 29 E S 13 in NW., R 30 E S 18 in NE., S 19 in SE., and S 24 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, stony. Mesquite, greasewood, sage brush, good grass. At this cor., at noon I set off $22^{\circ}55\frac{1}{2}'$ S. on the decl. arc, and observe the sun on the meridian. The resulting lat. is $31^{\circ}25'$ N.
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	South, bet. secs. 19 & 24. Over rolling land.
14.00	Centre of draw 14 chs. 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 24 in W., and S 19 in E. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
48.50	Wash, 30 lks. wide, course ESE., asc. grad. through scattering mesquite and catclaw.
58.00	Low ridge, brs. ESE. & WNW.
61.50	Road, brs. E. & W.
74.00	Centre of draw 3 chs. wide, course E.
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 19, 24, 25 & 30, marked on brass cap, T 23 S, in N. half, R 29 E S 24 in NW., R 30 E S 19 in NE., S 30 in SE., and S 25 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. Mesquite, catclaw, greasewood, fair grass.
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	South, bet. secs. 25 & 30. Over rolling land.
26.00	Enter draw, course ESE.
36.00	Wash, 40 lks. wide, course E.
38.00	Leave draw, course ESE., asc. slightly.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 25 in W., and S 30 in E. half, raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
55.00	Wash, 20 lks. wide, course E.
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25, 30, 31 & 36, marked on brass cap, T 23 S, in N. half, & R 29 E S 25 in NW., and R 30 E S 30 in NE., S 31 in SE., and S 36 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. Mesquite, catclaw, greasewood, fair grass.

BOOK 2481

Chains.

South, bet. secs. 31 & 36.
 Over rolling land.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 36 in W., and
 S 31 in E. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Tps. 23 & 24 S., Rs. 29 & 30 E., marked on brass cap,
 T 23 S in N., and
 T 24 S in S. half,
 R 29 E S 36 in NW.,
 R 30 E S 31 in NE.,
 S 6 in SE., and
 S 1 in SW. quad.;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.,

Land, rolling.
 Soil, 3rd rate, gravelly, dry.
 Mesquite, cacti, catclaw, greasewood, sage brush,
 fair grass. Dec. 10, 1912.

South Boundary T. 23 S., R. 30 E.

Dec. 11, 1912.
 At 8h a.m., l.m.t., at the cor. of Tps. 23 & 24 S.,
 Rs. 30 & 31 E., recently established by J.B. Wright,
 and by him described in Book—
 I set off $22^{\circ}58'$ 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,
 West, on a random line, setting $\frac{1}{4}$ and sec. cors. at intervals of 40 and 80 chs.
 At 6 miles 12.00 chs., I intersect N. & S. line $1\frac{1}{4}$ lks. S. of the cor. of Tps. 23 & 24 S., Rs. 29 & 30 E., recently established by me, and heretofore described, whence I run,
 S. $89^{\circ}59'$ E., on a true line on S. bdy. of Tp., bet. secs. 6 & 31.
 Var. $13^{\circ}05'$ E.
 Over rolling land, drains to S., through mesquite brush, greasewood, catclaw, fair grass, cacti.
 9.85 Old drift fence, brs. NNE. & SSW.
 52.00 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 N., and
 S 6 in S. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 92.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 5, 6, 31 & 32, marked on brass cap, T 23 S in N.,
 T 24 S in S., and
 R 30 E in W. half,
 S 31 in NW.,
 S 32 in NE.,
 S 5 in SE., and
 S 6 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.
 Mesquite, greasewood, sage brush, cacti, fair grass.

S. $89^{\circ}59'$ E., bet. secs. 5 & 32.
 Over rolling land, desc. grad.
 6.50 Enter bottom of Silver Creek, brs. N. & S.
 7.30 Road, brs. N. & S.
 7.50 Wire fence, brs. N. & S., enter cultivated field.

Chains.	
8.00	House, owner unknown brs. N. 5 chs. dist. with wind mill, corrals, etc.
19.00	Wire fence, brs. N. & S., leave field.
20.00	Silver Creek wash, (dry) 100 lks. wide, course S.
24.00	Road, brs. NNW. & S.
25.00	Leave creek bottom, brs. N. & S., asc.
28.00	Top of mesa, brs. N. & S., thence over rolling land.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 32 in N., and S 5 in S. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 32 & 33, marked on brass cap, T 23 S in N., T 24 S in S., and R 30 E, in W. half, S 32 in NW., S 33 in NE., S 4 in SE., and S 5 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, greasewood, cacti, fair grass. At this cor., at noon, I set off $23^{\circ}01'S.$ on the decl. arc, and observe the sun on the meridian. The resulting lat. is $31^{\circ}22\frac{1}{2}'N.$
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	S. $89^{\circ}59'E.$, bet. secs. 4 & 33. Over rolling land.
8.50	Wash, 10 lks. wide, course S., asc. grad.
38.00	Low ridge, brs. SSW. & NNE., desc. grad.
40.00	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 33 in N., and S 4 in S. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
72.80	Road, brs. N. & SSE.
76.00	Wash, 10 lks. wide, course S., asc. grad.
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 3, 4, 33 & 34, marked on brass cap, T 23 S in N., and T 24 S in S. half, and R 30 E., in W. half, S 33 in NW., S 34 in NE., S 3 in SE., and S 4 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, calcareous, loose. Greasewood, sage brush, cacti, fair grass.
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	S. $89^{\circ}59'E.$, bet. secs. 3 & 34. Over rolling land, asc. grad.
3.00	S. point of low ridge, brs. SSE. & NNW.
7.00	Desc. grad.
29.25	Wash, 100 lks. wide, course 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 34 in N., and S 3 in S. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
60.00	Asc. grad.
68.00	Low ridge, brs. S. & NNW., desc. grad.
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 2, 3, 34 & 35, marked on brass cap, T 23 S in N., T 24 S in S., and R 30 E in W. half, S 34 in NW., S 35 in NE., S 2 in SE., and S 3 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. Sage brush, cacti, fair grass.

BOOK 248 Chains.

S. 89°59' E., bet. secs. 2 & 35.
 Over heavily rolling land.
 2.45 Wire fence, brs. N. & S., turns to E. 2 chs. S.
 33.50 Desc. steep.
 38.30 Wire fence, brs. N. & S.
 38.75 Centre of small reservoir, 60 lks. in diam.
 39.50 Windmill of Lee Howard brs. S. 70 lks. dist.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 35 in N., and
 S 2 in S. half;
 raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.
 House, wind mill and corrals of B. Barnett brs. S. 15° W.,
 about 30 chs. dist.
 44.30 Wire fence, brs. N. & S.
 46.80 Wash, 24 lks. wide, course SSE., asc. prec. from canyon.
 48.00 Top of mesa, brs. SSE. & NNW., thence over rolling land.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for cor. of secs. 1, 2, 35 & 36, marked on
 brass cap, T 23 S in N., T 24 S in S., and
 R 30 E in W. half,
 S 35 in NW.,
 S 36 in NE.,
 S 1 in SE., and
 S 2 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, loose.
 Mesquite brush, greasewood, cacti, fair grass.

S. 89°59' E., bet. secs. 1 & 36.
 Over rolling land, asc. grad.
 2.00 Road, brs. NE. & SW.
 15.00 Flat topped ridge, brs. NE. & SW., desc. grad.
 28.00 Desc. steep.
 30.00 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 36 in N., and
 S 1 in S. half;
 raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.
 44.65 Wire fence, brs. N. & S.
 Draw 10 chs. wide, course SW.
 60.00 Asc. grad. over rolling land.
 80.00 To cor. of Tps. 23 & 24 S., Rs. 30 & 31 E., described in Book D.
 Land, rolling, broken. Soil, 3rd rate, gravelly, dry.
 Greasewood, cacti, catclaw, fair grass.

General Description.

The South and West Boundaries of T. 23 S., R. 30 E., run over a broken or rolling valley, well covered with native grass. There is some agricultural land in the broad draws or creek valley, some of which is occupied and cultivated. There is no live water or timber on or near the lines.

T. 23 S. R. 30 E. Latitudes, departures, and closing errors.

Line designated.	True bearing.	Dist. Chs.	Latitudes.		Departures.	
			N. Chs.	S. Chs.	E. Chs.	W. Chs.
South Boundary,	N. 89°59' W.	492.00	0.14			492.00
West Boundary,	North, ---	480.00	480.00			
North Boundary,	N. 89°58' E.	491.85	0.28		491.85	
East Boundary,	South, ---	480.00		480.00		
Convergency, --					0.45	
			480.42	480.00	492.30	492.00
			480.00		492.00	
Error in Lat.,			0.42			
Error in Dep.,					0.30	

Dec. 11, 1912. *William B. Ellis* U. S. Surveyor.

Chains.

BOOK 2481

Dec. 17, 1912.
At 8h a.m., l.m.t., at the cor. of Tps. 23 & 24 S.,
Rs. 31 & 32 E., as established, and described by
J.B. Wright, in Book D,
I set off 23°19' S. on the decl. arc, and 31°22½' N. on
the lat. arc, and determine a meridian with the solar.
Thence I run, as per instructions,
East, on S. bdy. of Tp., bet. secs. 6 & 31.
Over rolling land, asc. grad., through dense greasewood
sage brush, cacti, catclaw, fair grass.
Var. 13° 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 31 in N., and
S 6 in S. half;

52.50 raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
Leave valley, brs. N. & S., asc. steep over limestone
ledges.

58.00 Spur, brs. SSW. & NNE., desc. across head of wash to SW.
61.00 Asc. steep.

74.00 Ridge, brs. NW. & SE., desc.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 6 ins. in
the ground, on bed-rock, in mound of stone for cor. of
secs. 5, 6, 31 & 32, marked on brass cap,
T 23 S in N.,
T 24 S in S., and
R 32 E in W. half;
S 31 in NW.,
S 32 in NE.,
S 5 in SE., and
S 6 in SW. quad.;
raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
Land, rolling, mts. Soil, 3rd rate, stony, gravelly, dry.
Greasewood, mesquit, catclaw, cacti, fair grass.

East, bet. secs. 5 & 32.

Over mts. land, desc. grad.

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

15.00 Low ridge, brs. S. & N., desc. 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 32 in N., and
S 5 in S. half;

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

42.00 Draw 3 chs. wide, course NNW.

43.85 Road, brs. N. & S.

45.00 Wood road, brs. NNW. & SSE.

70.10 Wood road, brs. NNW. & SSE.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
the ground for cor. of secs. 4, 5, 32 & 33, marked on
brass cap, T 23 S in N.,
T 24 S in S., and
R 32 E in W. half,
S 32 in NW.,
S 33 in NE.,
S 4 in SE., and
S 5 in SW. quad.;

raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
At this cor., at noon, I set off 23°21' S. on the decl.
arc, and observe the sun on the meridian.

The resulting lat. is 31°22½' N.

Land, rolling, mts., broken.

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

Chains.

BOOK 2481

- East, bet. secs. 4 & 33.
Over heavily rolling land, through dense greasewood and catclaw.
- 25.75 Wash, 10 lks. wide, course SW.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 20 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 33 in N., and
S 4 in S. half;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
- 40.10 Wash, 10 lks. wide, course SW.
- 42.50 Wash, 10 lks. wide, course SW., asc. grad.
- 65.00 Asc. steep, over limestone ledges.
- 79.00 Ridge, brs. N. & S., desc.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 10 ins. in the ground, in mound of stone, on bed-rock, for cor. of secs. 3, 4, 33 & 34, marked on brass cap,
T 23 S in N.,
T 24 S in S., and
R 32 E in W. half,
S 33 in NW.,
S 34 in NE.,
S 3 in SE., and
S 4 in SW. quad.;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- Land, rolling, broken.
Soil, 3rd rate, gravelly, dry, calcareous, stony.
Greasewood, catclaw, sage brush, scrub oak, fair grass.
Dec. 17. 1912.

Dec. 18, 1912.

At 8h a.m., l.m.t., at the cor. of secs. 3, 4, 33 & 34, ^{above described,}
I set off $23^{\circ}20\frac{1}{2}'$ 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,
East, bet. secs. 3 & 34.
Over mts. land, desc. grad.
- 3.50 Wash, 10 lks. wide, course S., asc. grad.
- 15.00 Ridge, brs. N. & S., 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 34 in N., and
S 3 in S. half;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
- 62.00 Wash, 20 lks. wide, course NE.
- 76.00 Same wash, 40 lks. wide, course SE., asc. steep.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 2, 3, 34 & 35, marked on brass cap, T 23 S in N.,
T 24 S in S., and
R 32 E in W. half,
S 34 in NW.,
S 35 in NE.,
S 2 in SE., and
S 3 in SW. quad.;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- Land, mts., broken, rolling.
Soil, 3rd rate, gravelly, stony, dry, calcareous.
Mesquite, catclaw, greasewood, cacti, fair grass.

Chains.

East, bet. secs. 2 & 35.
 Over mts., broken land, asc. grad. along S. slope.
 2.00 Desc. grad. BOOK 2481
 8.00 Wash, 10 lks. wide, course S., asc. grad.
 12.00 S. point of low ridge, brs. N. & S., desc. grad.
 35.00 Ranch house of Baker ranch brs. S. 4 chs. dist.,
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 35 in N., and
 S 2 in S. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 40.70 Wash, 30 lks. wide, course S., asc. over low ridges.
 47.00 Wash, 10 lks. wide, course S.
 48.30 Wash, 10 lks., course SW.
 57.00 Wash, 10 lks. wide, course WSW., asc.
 66.90 Top of low ridge, brs. S. & N., desc. grad.
 70.92 Intersect East Boundary of Arizona at a point, whence
 the 388 mile cor., on said bdy. brs. South, 38.55 chs.
 dist., which is a granite stone 17x18x9 ins. with
 faint markings as described by the Surveyor-General.
 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for closing cor. of Tps. 23 & 24 S., R. 32 E.,
 marked on brass cap,
 CC, and N.M. in E., and
 R 32 E, and ARIZ, in W. half,
 T 23 S, S 35 in NW., and
 T 24 S, S 2 in SW. quad.;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 No bearings available, pits impracticable.
 Land, mts., broken, rough.
 Soil, 3rd rate, stony, gravelly, dry.
 Mesquite, catclaw, cacti, greasewood, sage brush, fair
 grass.
 At this cor., at noon, I set off $23^{\circ}23'$ S. on the decl.
 arc, and observe the sun on the meridian.
 The resulting lat. is $31^{\circ}22\frac{1}{2}'$ N.
 From the 388 mile cor., I retrace the East Boundary of
 Arizona to the south, notes of same incorporated with
 notes of J.B. Wrights retracements along same line, in Book

- General Description.

The south boundary of ^{Frac.} T. 23 S., R. 32 E., runs over
 a broken mountainous country, rising from the west
 to the east, over a succession of limestone ridges.
 The land is covered with a fair growth of native
 grass, and is of little value except for grazing
 purposes.

There is no water or timber along the line.

Latitudes, departures, and closing errors.

BOOK 2481

Line Designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South Boundary, West,	-----	Chs. 390.92	Chs. -----	Chs. -----	Chs. -----	Chs. 390.92
West Boundary, North,	-----	480.00	480.00	-----	-----	-----
North Boundary, East,	-----	391.00	-----	-----	391.00	-----
E.Bdy. of Ariz., South,	-----	481.95	-----	481.95	-----	-----
Convergency, -	-----	-----	-----	-----	-0.36	-----
Totals, -----	-----	-----	480.00	481.95	391.36	390.92
			-----	480.00	390.92	-----
Error in Lat. -----				-1.95	-----	-----
Error in Dep. -----				-----	-0.44	-----

Fracl T. 24 S., R. 32 E.
Latitudes, departures, and closing errors.

Line designated.	True bearing.	Dist.	Latitudes		Departures.	
			N.	S.	E.	W.
Internat'l Bdy., West,	-----	Chs. 55.91	Chs. -----	Chs. -----	Chs. -----	Chs. 55.91
	S. 89°57' W.	125.96	-----	0.11	-----	125.96
	N. 89°25' W.	208.75	2.13	-----	-----	208.74
West Boundary, North,	-----	251.37	251.37	-----	-----	-----
North Boundary, East,	-----	390.92	-----	-----	390.92	-----
E.Bdy. of Ariz., South,	-----	252.16	-----	252.16	-----	-----
Convergency, -	-----	-----	-----	-----	-0.18	-----
Totals, -----	-----	-----	253.50	252.27	391.10	390.61
			252.27	-----	390.61	-----
Error in Lat., -----				-1.23	-----	-----
Error in Dep., -----				-----	-0.49	-----

Dec. 28, 1912.

William H. Elliot

U. S. Surveyor.

Chains.

BOOK

2481

March 1, 1913.

Having recently tested all the adjustments of the transit and solar attachment, and also tested the solar on a true meridian established by observation of Polaris, and knowing same to be correct, I proceed as follows :-
At 8h a.m., l.m.t., at the cor. of Tps. 19 & 20 S., Rs. 19 & 20 E., which is a redwood post 4x6 ins. x 1 ft. above ground, marked and witnessed as described by the Surveyor-General, Lat. 31°43' 47" N., Long. 110°21'09" W.,

I set off 7° 37' S. on the decl. arc, and 31°44' N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per instructions,

West, on a random line, on E. bdy. of Tp.,

At 6 miles, 00.03 chs., I intersect the East bdy. of T. 20 S., R. 18 E. at a point whence the orig. cor. of Tps. 19 & 20 S., Rs. 18 & 19 E. brs. North, 4.09 chs. dist., which is a sandstone 8x8x6 ins. above ground, marked and witnessed as described by the Surveyor-General.

I change the markings on this cor. so as to refer to Tps. 19 & 20 S., R. 18 E., only, by erasing the notches on E. of stone, and at my point of intersection, I

Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for closing cor. of Tps. 19 & 20 S., R. 19 E., marked on brass cap,

C C, W. of centre,

R. 19 E., in E., and

T 18 S, S 36, S 1, T 19 S, R 18 E, in W. half,

T 19 S, S 31 in NE., and

T 20 S, S 6 in SE. quad.;

raise a mound of stone 2 ft. base, 2 ft. high E. of cor. from which,

A conical butte in Mustang mountains brs. S. 33°14' W. Top of high conical butte, Whetstone Mts. brs. N. 0°10' E. N. Door of ranch house brs. S. 11°47' W., about 1 mile dist.

A lone tree, on top of wooded peak of Whetstone Mts.

brs. N. 15°45' E., about four miles dist.

NE. edge of high vertical bluff brs. S. 28°09' E., about 1½ miles dist.

From the above described cor., I run, East, on a true line, on S. bdy. of Tp., bet. secs. 6 & 31.

Over rolling grassy land, drainage to SE.

6.95 Road, brs. N. & S.

25.15 Road, brs. NE. & SW.

26.75 Dim road, brs. N. & SSE.

33.50 Wash, 90 lks. wide, course ESE.

40.03 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 N., and

S 6 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.

No bearings available.

69.30 Wash, 40 lks. wide, course SSE., centre of drainage, asc. grad.

80.03 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 5, 6, 31 & 32, marked on brass cap, T 19 S in N.,

T 20 S in S., and

R 19 E, in W. half;

S 31 in NW.,

S 32 in NE.,

S 5 in SE., and

S 6 in SW. quad.;

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

No bearings available, pits impracticable.

Land, rolling.

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

Scattering cacti, good grass.

At this cor., at noon, I set off 7°34' S. on the decl. arc, and observe the sun on the meridian.

The resulting lat. is 31°44' N.

BOOK 2481 Chains.

East, bet. secs. 5 & 32.
 Over heavily rolling land, asc. grad.

10.00 Wash, 30 lks. wide, course SW.
 19.00 Wash, 15 lks. wide, course SW.
 31.00 Gulch, 50 lks. wide, course SW.
 39.50 Gulch, 30 lks. wide, course SW., asc. steeper.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 32 in N., and
 S 5 in S. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

56.00 Spur, brs. SW. & NE., desc. steep.
 65.00 Gulch, 40 lks. wide, course SSE., asc.
 70.00 Small spur, brs. SSE. & NNW.,
 71.00 Limestone ledge, 20 ft. high, brs. SSE. & NNW., desc. prec.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for cor. of secs. 4, 5, 32 & 33, marked on
 brass cap, T 19 S in N.,
 T 20 S in S., and
 R 19 E in W. half,
 S 32 in NW.,
 S 33 in NE.,
 S 4 in SE., and
 S 5 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 stony.
 Cacti, greasewood, sage brush, fair grass.

East, bet. secs. 4 & 33.
 Over mts. land, desc. steep.

10.00 Wash, 20 lks. wide, course S., asc. steep.
 28.00 Rocky ridge, brs. S. & N., from rough peak to NNE., desc.
 32.00 Limestone ledge, 30 ft. high, brs. N. & S., desc. prec.
 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 N., and
 S 4 in S. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

50.00 Foot of prec. slope, brs. N. & S., desc. grad.
 61.00 Gulch, 30 lks. wide, course NW.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for cor. of secs. 3, 4, 33 & 34, marked on
 brass cap, T 19 S in N.,
 T 20 S in S., and
 R 19 E, in W. half,
 S 33 in NW.,
 S 34 in NE.,
 S 3 in SE., and
 S 4 in SW. quad.;

raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Land, mts., broken, rolling.
 Soil, 3rd rate, gravelly, stony, dry.
 Greasewood, sage brush, scrub oak, cacti, fair grass.

Chains.

East, bet. secs. 3 & 34.
 Over rolling land, desc. grad., through dense grease-wood, and sparse scrub mesquite.
 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 N., and
 S 3 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 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 2, 3, 34 & 35, marked on brass cap, T 19 S in N.,
 T 20 S in S., and
 R 19 E in W. half,
 S 34 in NW.,
 S 35 in NE.,
 S 2 in SE., and
 S 3 in SW. quad.;
 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. Greasewood, mesquite, cacti, fair grass.

East, bet. secs. 2 & 35.
 Over gently rolling land, 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 35 in N., and
 S 2 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 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 2, 35 & 36, marked on brass cap, T 19 S in N.,
 T 20 S in S., and
 R 19 E, in W. half,
 S 35 in NW.,,
 S 36 in NE.,
 S 1 in SE., and
 S 3 in SW. quad.;
 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, 2nd & 3rd rate, sandy, loose. Scrub mesquite, cacti, sage brush, greasewood, good grass.

East, bet. secs. 1 & 36.
 Over gently rolling land, 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 36 in N., and
 S 1 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.~~ 19 & 20 S., Rs. 19 & 20 E., heretofore described.
 Land, gently rolling.
 Soil, 3rd & 2nd rate, sandy, gravelly, loose, dry.
 Scrub mesquite, greasewood, catclaw, cacti, good grass.
 March 1, 1913.

BOOK 2481

Chains.

March 2, 1913.

At 8h a.m., l.m.t., at the cor. of Tps. 19 & 20 S., Rs. 19 & 20 E., as heretofore described, I set off $7^{\circ}14\frac{1}{2}'$ S. on the decl. arc, and $31^{\circ}44'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per instructions, North, on a random line, on E. bdy. of Tp. setting temp. $\frac{1}{4}$ and sec. cors. at intervals of 40 and 80 ch.

At 6 miles, 2.14 chs., I intersect the S. bdy. of T. 18 S., R. 19 E. at a point whence, the original cor. of Tps. 18 & 19 S., Rs. 19 & 20 E. brs. N. $89^{\circ}54'E$. 4.38 chs. dist., which is a sandstone $10 \times 6 \times 5$ ins. above ground, marked and witnessed as described by the Surveyor General.

This falling being out of limits, I change the markings on this old cor. to refer to Tps. 18 S., Rs. 19 & 20 S. E., only, by erasing the notches on S. of stone, and building the mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. At my point of intersection, I

Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for closing cor. of Tps. 19 S., Rs. 19 & 20 E., marked on brass cap,

C C, N. of centre,
T 19 S in S., and
T 18 S, R 19 E, S 36, R 20 E, S 31, in N. half,
R 20 E, S 6 in SE., and
R 19 E, S 1 in SW. quad.; from which,

A mesquite tree 4 ins. diam. brs. S. $8\frac{3}{4}^{\circ}E$. 81 lks. dist., marked T 19 S R 20 E S 6 S C B T.

A mesquite tree 5 ins. diam. brs. S. $21^{\circ}W$. 120 lks. dist., marked T 19 S R 19 E S 1 C C B T.

March 2, 1913.

March 3, 1913.

At 8h a.m., l.m.t., at the closing cor. as above described, I set off $6^{\circ}51\frac{1}{2}'$ S. on the decl. arc, and $31^{\circ}48\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per instructions,

South, on a true line, on E. bdy. of Tp., bet. secs. 1 & 6.

Var. $13^{\circ}20' E$.

Over heavily rolling, broken land, scattering mesquite. Gulch, 150 lks. wide, 40 ft. deep, course E.

8.00
42.14

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 W., and
S 6 in E. half;

raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. No bearings available, pits impracticable.

72.50
82.14

Wash, 35 lks. wide, course E.
Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 6, 7 & 12, marked on brass cap, T 19 S in N. half,
R 19 E S 1 in NW.,
R 20 E S 6 in NE.,
S 7 in SE., and
S 12 in SW. quad.;

raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. No bearings available.

Land, rolling, broken.
Soil, 3rd rate, gravelly, dry, loose.
Scrub mesquite, greasewood, sage brush, cacti, fair grass.

BOOK 2481

Chains.

40.00	<p>South, bet. secs. 7 & 12. Over rolling, broken land, through dense brush. 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 W., and S 7 in E. half;</p>
52.00	<p>raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Well drilling outfit brs. S. $89^{\circ}20'$ E.</p>
70.60	<p>Wash, 30 lks. wide, course E.</p>
80.00	<p>Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 7, 12, 13 & 18, marked on brass cap, T 19 S in N. half, R 19 E S 12 in NW., R 20 E S 7 in NE., S 18 in SE., and S 13 in SW. quad.;</p>
	<p>raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, rolling, broken. Soil, 3rd rate, gravelly, dry. Mesquite, greasewood, cacti, sage brush, fair grass.</p>
40.00	<p>South, bet. secs. 13 & 18. Over rolling land, asc. grad., near foot of mts. to W. 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 W., and S 18 in E. half;</p>
64.52	<p>raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Well drilling outfit brs. N. $76^{\circ}10'$ E.</p>
70.80	<p>Wash, 80 lks. wide, course ENE.</p>
80.00	<p>Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 13, 18, 19 & 24, marked on brass cap, T 19 S in N. half, R 19 E S 13 in NW., R 20 E S 18 in NE., S 19 in SE., and S 24 in SW. quad.;</p>
	<p>raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, rolling, broken, drainage to E. Soil, 3rd rate, gravelly, dry. Dense scrub mesquite, cacti, greasewood, fair grass.</p>
2.80	<p>South, bet. secs. 19 & 24. Over rolling broken land, drainage to E., dense brush.</p>
40.00	<p>Wash, 30 lks. wide, course E. 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 W., and S 19 in E. half;</p>
55.10	<p>raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Wash, 30 lks. wide, course ESE.</p>
80.00	<p>Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 19, 24, 25 & 30, marked on brass cap, T 19 S in N. half, R 19 E S 24 in NW., R 20 E S 19 in NE., S 30 in SE., and S 25 in SW. quad.;</p>
	<p>raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, rolling, broken. Soil, 3rd rate, gravelly, dry. Scrub mesquite, greasewood, sage brush, cacti, fair grass. At this cor., at noon, I set off $.6^{\circ}48\frac{1}{2}'$ S. on the decl. arc, and observe the sun on the meridian. The resulting lat. is $31^{\circ}45\frac{1}{2}'$ N.</p>

BOOK 2481

Chains.

South, bet. secs. 25 & 30.
 Over rolling, grassy flat, through scrub mesquite,
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 25 in W., and
 S 30 in E. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 75.50 Old road, brs. E. & W.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for cor. of secs. 25, 30, 31 & 36, marked on
 brass cap, T 19 S in N. half,
 R 19 E S 25 in NW.,
 R 20 E S 30 in NE.,
 S 31 in SE., and
 S 36 in SW. quad.;
 dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and
 raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
 Land, rolling.
 Soil, 3rd rate, sandy, gravelly, loose, dry.
 Scrub mesquite, greasewood, catclaw, cacti, fair grass.

South, bet. secs. 31 & 36.
 Over gently rolling grassy land, 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 36 in W., and
 S 31 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 To cor. of Tps. 19 & 20 S., Rs. 19 & 20 E.,
 heretofore described.
 Land, rolling.
 Soil, 3rd rate, sandy, loose, gravelly, dry.
 Mesquite, greasewood, catclaw, cacti, fair grass.
 March 3, 1913.

General Description.

The S. bdry. ascends gradually from the E. to the W. for
 270 chs., thence over high, broken, mountainous land. The E.
 portion has a good growth of native grass.
 The E. bdry. runs over the low, broken, rolling, foot hills on
 the E. slope of the Whetstone Mts., and has a fair growth
 of native grass.
 There is no water or timber near the line.

Boundaries of T. 19 S., R. 19 E.

Latitudes, departures, and closing errors.

Line designated	True bearing	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South Boundary,	West	480.03				480.03
West Boundary	North	482.49	482.49			
North Boundary	N. 89° 54' E.	480.73	0.84		480.73	
East Boundary	South	482.14		482.14		
Convergency, --						
Totals--			483.33	482.14	480.73	480.48
Error in Lat.			482.14	Error	480.48	
			1.19	in Dep.	--0.25	

William C. Elliott

U. S. Surveyor,

Chains.

March 13, 1913.
 At 8h a.m., l.m.t., at the cor. of Tps. 19 & 20 S., R. 18 E. ^{described}
 recently established in original position of old cor. of Tps. 19 & 20 S., Rs. 18 & 19 E. as here in before
 I set off 3° 3' S. on the decl. arc, and 31° 44' N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per instruction, North, on a random line, on E. bdy. of T. 19 S., R. 18 E. setting temp. $\frac{1}{4}$ and sec. cors. at intervals of 40 and 80 chs. March 13th and 14th.

March 14, 1913,
 At 5 miles, 78.40 chs., I intersect the S. bdy. of T. 18 S., R. 18 E. at a point whence, Cor. of Tps. 18 & 19 S., Rs. 18 & 19 E., brs. East, 5.56 chs. dist., which is a limestone 8x7x5 ins. above ground, marked and witnessed as described by the Surveyor General. I change the markings of this cor. to refer to Tps. 18 S., Rs. 18 & 19 E. only, and at my point of intersection, I Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for closing cor. of Tps. 19 S., Rs. 18 & 19 E., marked on brass cap,
 C C, S. of centre,
 T 18 S, R 18 E S 36, R 19 E S 31, in N., and
 T 19 S, in S. half,
 R 18 E S 1 in SW., and
 R 19 E S 6 in SE. quad.; from which,
 A pinon tree 6 ins. diam. brs. S. 32° W. 20 lks. dist., marked T 19 S R 18 E S 1 C C B T.
 A pinon tree 6 ins. diam. brs. S. 40° E. 36 lks. dist., marked T 19 S R 18 E S 6 C C B T.

From this cor. I run, as per instructions, South, on a true line, on E. bdy. of T. 19 S., R. 18 E., bet. secs. 1 & 6.
 Var. 14° E.
 Over rough, mts. land, asc. steep N. slope, through dense scrub oak, cedar and pinon.

7.00 Ridge, brs. E. & W., desc.
 36.50 Gulch, 30 lks. wide, course SE., asc.
 38.40 Gulch, 20 lks. wide, course W., asc. steep.
 38.65 Point for $\frac{1}{4}$ sec. cor. in gulch, therefore at 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 6 in SE., and
 S 1 in SW. quad.; from which,
 An oak tree 12 ins. diam. brs. S. 87° W. 8 lks. dist., marked $\frac{1}{4}$ S 1 W C B T.
 An oak tree 8 ins. diam. brs. N. 87° E. 16 lks. dist., marked $\frac{1}{4}$ S 6 W C B T.

43.50 Spur, brs. W. & E., desc.
 51.50 Gulch, 20 lks. wide, course SW., asc.
 58.50 Spur, brs. W. & E., desc.
 61.00 Desc. prec. into wooded canyon.
 66.00 Canyon, 8 chs. wide, 200 ft. deep, course NW., asc. prec.
 70.50 S. rim of canyon, asc.
 78.40 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1 & 12, T 19 S R 18 E, marked on brass cap, T 19 S, in N., and
 S 6, S 7, R 19 E, in E. half,
 S 1 in NW., and
 S 12, R 18 E, in SW. quad.;
 from which,
 A cedar tree 18 ins. diam. brs. S. 66° W. 120 lks. dist., marked T 19 S R 18 E S 12 B T T.
 A juniper tree 14 ins. diam. brs. N. 34° W. 74 lks. dist., marked T 19 S R 18 E S 11 B T.

Land, mts., rough. Soil, 3rd rate, stony, gravelly, dry. Oak, cedar, pinon, juniper, scrub oak, fair grass. At this cor., at noon, very windy, impracticable to observe the lat. accurately.

Chains.

BOOK 2481

South, bet. secs. 7 & 12.
 Over mts., land, desc.
 3.00 Gulch, 50 lks. wide, course WNW., asc. steep.
 10.00 Ridge, brs. NW. & ESE., desc. steep.
 28.00 Gulch, 30 lks. wide, course W., asc.
 33.00 Ridge, brs. W. & E., 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 12 in W., and
 S 7 in E. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 55.00 Gulch, 40 lks. wide, course W., asc. steep, brushy
 NW. slope.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for cor. of secs. 12 & 13, T 19 S R 18 E marked on
 brass cap, T 19 S, in N., and
 S 7, S 18, R 19 E, in E. half,
 S 12 in NW., and
 S 13, R 18 E, in SW. quad.; from which,
 A pinon tree 12 ins. diam. brs. N. 76° W. 113 lks. dist.,
 marked T 19 S R 18 E S 12 B T.
 No other trees available, pits impracticable.
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Land, mts., rough. Soil, 3rd rate, stony, dry.
 Oak, cedar, juniper, scrub oak, cacti, sparse grass.

South, bet. secs. 13 & 18.
 Over mts. land, asc. steep, brushy N. slope of ridge.
 8.00 Top of rocky spur, brs. W. & E., thence along steep W.
 slope.
 20.00 Desc. SW. slope.
 33.00 Gulch, 30 lks. wide, course SW., 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 13 in W., and
 S 18 in E. half; from which,
 An oak tree 10 ins. diam. brs. S. 46° W. 30 lks. dist.,
 marked $\frac{1}{4}$ S 13 B T.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 65.00 Thence along steep, broken W. slope.
 65.00 Gulch, 50 lks. wide, course NW., asc. steep.
 72.50 Asc. abruptly 50 ft.
 74.00 Top, thence along steep W. slope.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for cor. of secs. 13 & 24, T 19 S R 18 E marked on
 brass cap, T 19 S, in N. half,
 S 18, S 19, R 19 E, in E. half,
 S 13 in NW., and
 S 24, R 18 E, in SW. quad.; from which,
 An oak tree 10 ins. diam. brs. S. 28° W. 24 lks. dist.,
 marked T 19 S R 18 E S 24 B T.
 A juniper tree 21 ins. diam. brs. N. 15° W. 100 lks. dist.,
 marked T 19 S R 18 E S 13 B T.
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Land, mts., rough.
 Soil, 3rd rate, stony, dry.
 Juniper, oak, cedar, scrub oak, pinon, sparse grass.
 March 14, 1913.

Chains.

March 15, 1913.

At 8h a.m., l.m.t., at the cor. of secs. 13 & 24, T.19S. R.18E. just described

I set off 2°11' S. on the decl. arc, and 31°46' N. on the lat. arc, and determine a meridian with the solar. Thence I run, along W. slope of Whetstone mts.,

South, bet. secs. 19 & 24.

Over mts. land, desc. steep.

4.00 Gulch, 20 lks. wide, course WNW., asc.

8.00 Spur, brs. W. & E., desc. steep.

18.00 Gulch, 30 lks. wide, course W., asc. steep.

33.55 Top of rise, W. side of apex of high granite peak, apex 60 lks. to E., desc. prec. SW. slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 24 in W., and S 19 in E. half;

raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. No bearings available.

Continue to desc. steep SSW. slope.

As cor. point ^{of secs. 24 & 25} will fall in gulch, at

79.85 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 24 & 25, T.19S. R.18E. marked on brass cap, T 19 S, in N., and S 19, S 30, R 19 E, in E. half, S 24 in NW., and S 25, R 18 E, in SW. quad.; from which,

An oak tree 10 ins. diam. brs. S. 58° W. 103 lks. dist., marked T 19 S R 18 E S 25 W C B T.

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

80.00 ~~To cor. point~~ ^{of secs. 24 & 25} in gulch, 15 lks. wide, course SW.

Land, mts., broken, very rough.

Soil, 3rd rate, stony, dry.

Scrub oak, scattering oak, pinon, sparse grass.

From cor. point ^{of secs. 24 & 25} in wash, I run, South, bet. secs. 25 & 30.

Over mts. land, asc. NW. slope.

15.00 Spur, brs. SW. & NE., desc. grad. along SW. slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 25 in W., and S 30 in E. half;

raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. No bearings available, pits impracticable.

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

56.00 Spur, brs. NW. & SE., desc.

70.00 Gulch, 50 lks. wide, course SW., asc.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25 & 36, T.19S. R.18E. marked on, brass cap, T 19 S in N., and S 30, S 31, R 19 E, in E. half, S 25 in NW., and S 36, R 18 E, 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, stony, dry.

Scrub oak, cacti, good grass.

At this cor., at noon, I set off 2°7 $\frac{1}{2}$ ' S. on the decl. arc, and observe the sun on the meridian.

The resulting lat. is 31°45' N.

Chains.

South, bet. secs. 31 & 36.
 Over broken land, desc. grad.
 23.50 Road, brs. NW. & SE.
 24.55 Wash, 50 lks. wide, course ESE., asc.
 29.00 Hill, brs. E. & W., desc. grad.
 36.00 Wash, 40 lks. wide, course 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 36 in W., and
 S 31 in E. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 40.20 Wash, 20 lks. wide, course E.,
 56.00 Wash, 30 lks. wide, course E.
 75.80 Wash, 10 lks. wide, course E.
 80.00 To cor. of Tps. 19 & 20 S., R. 18 E., wherebefore
 described.
 Land, mts., broken.
 Soil, 3rd rate, stony, dry, gravelly.
 Scrub oak, greasewood, catclaw, cacti, good grass.
 March 15, 1913.

William O. Elliott,
 U.S. Surveyor.

BOOK 2481

CERTIFICATE OF ASSISTANTS.

BOOK 2481

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability,
 William H. Elliott, U. S. Surveyor, during the periods and in the capacities
 stated opposite our several signatures, in surveying all those parts or portions of

Township Boundary Lines as surveyed under

Group No. 17 as follows:

South Bdry T.22 S., R.30 E., West & South Bdrs. T. 23 S., R. 30 E.,

South Bdry frac. T.23 S., R.32 E., South & East Bdrs T.19 S., R.19 E.,

and East Boundary of Tp. 19 S., R. 18 E.,

of the Gila & Salt River Base Meridian, in the State of Arizona

which are represented in the foregoing field notes as having been executed by him, and under his direction; and that said survey have been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
Eric Flanagan	Oct. 10, 1913.	April 11, 1913.	Chainman.
Robert M. Bonnell	Oct. 24, 1913.	Dec. 24, 1913.	Chainman.
Frank E. Shurtliff	Oct. 16, 1913.	Nov. 8, 1913.	Axeman.
Thomas H. Shumway	Oct. 16, 1913.	Dec. 25, 1912.	Flagman.
Charles Crouch	Oct. 16, 1913.	Feb. 10, 1913.	Chainman.
Robt. Richhart	Oct. 16, 1913.	Feb. 10, 1913.	Moundman.
John B. Estes	Nov. 8, 1913.	Apr. 11, 1913.	Chainman.
Patrick Wells	Dec. 26, 1912.	Jan. 31, 1913.	Axeman.
George Thompson	Dec. 26, 1912.	Dec. 31, 1912.	Flagman.
W. Malloch	Jan. 1, 1913.	Jan. 23, 1913.	Axeman.
Ward Young	Feb. 1, 1913.	Mch. 22, 1913.	Moundman.
Records Valenzuela	Feb. 1, 1913.	Apr. 11, 1913.	Axeman.
	Feb. 1, 1913.	Apr. 11, 1913.	Flagman.
	Mch. 23, 1913.	Apr. 11, 1913.	Moundman.

Subscribed and certified to before me on the dates of the final service as shown above.

William H. Elliott,
 U. S. Surveyor.

50
BOOK 2481 24

I, William H. Elliott, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona bearing date of the 6th day of October, 1911, 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 Township Bdry Lines under Group 17, as follows: South Bdry of Tp. 22 S. R. 30 E., West and South Bdrs of Tp. 23 S. R. 30 E., South Bdy of frac. Tp. 23 S. R. 32 E., South and East Bdrs of Tp. 19 S. R. 19 E., and the East Bdy of Tp. 19 S. R. 18 E. of the Gila and Salt River Base Meridian, in the State of Arizona, 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 ^{and supplemental} written instructions of the U. S. Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such surveys

William H. Elliott
U. S. Surveyor.

Subscribed by said William H. Elliott, and sworn to before me }
this 7th day of June, 1913



Frank S. Ingalls
SURVEYOR-GENERAL OF ARIZONA

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. Jan. 26, 1914

The foregoing field notes of the survey of the South Bdry of Tp. 22 S. R. 30 E., West and South Bdrs of Tp. 23 S. R. 30 E., South Bdry of frac. Tp. 23 S. R. 32 E., South and East Bdrs of Tp. 19 S. R. 19 E., and the East Bdy of Tp. 19 S. R. 18 E. of the Gila and Salt River, Base and Meridians, Arizona. executed by William H. Elliott, U. S. Surveyor under his special ^{and supplemental} instructions dated October 6, 1911, 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.~~