

Book H
S. L. O. letter "E" April 25-1913
FIELD NOTES

2386

MAR. 13 1912

791

OF THE SURVEY OF THE

BOOK 2386

Proc. East Boundary T 11 S. R 14 E.

Of the T 11 S. R. Meridian,

In the State of

Territory of Arizona

EXECUTED BY

William H. Elliott

In the capacity of U. S. Surveyor, under instructions dated March 11, 1911,
issued by the United States Surveyor General to govern surveys included in
Group No. 2, which were approved by the Commissioner of the General Land
Office, April 5, 1911, pursuant to authority contained in the Act of
Congress dated June 25, 1910 and March 4, 1911

Survey commenced May 28, 1911

Survey completed June 2, 1911

INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

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BOOK 2386

INDEX DIAGRAM.

Township 11 S. , Range 14 E.

6	5	4	3	2	1	3
7	8	9	10	11	12	✓
18	17	16	15	14	13	✓
19	20	21	22	23	24	1
30	29	28	27	26	25	
31	32	33	34	35	36	

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, Albert Smith and Max Groedell

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the ~~h~~olly pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

E. Ady, T. 11 S., R. 14 E.

Albert Smith, Chainman.
Max Groedell, Chainman.

Subscribed and sworn to before me this 27th
day of May, 1911



William H. Elliott
U.S. Surveyor

WE, A. O. Temple and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

E. Ady, T. 11 S., R. 14 E.

A. O. Temple, Moundman.
A. O. Temple, Moundman.

Subscribed and sworn to before me this 27th
day of May, 1911



William H. Elliott
U.S. Surveyor

WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 19____



I, Walter Ellwell, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of E. Ady, T. 11 S., R. 14 E.

Walter Ellwell, Flagman.

Subscribed and sworn to before me this 27th
day of May, 1911



William H. Elliott
U.S. Surveyor

East Bdy. of Township 11 South, Range 14 East.
Chains.

Survey commenced May 28, 1911, and executed with a Young & Sons' solar transit, No. 8480. The instrument was examined on the true meridian at Phoenix, March 6, 1911, tested and found correct. I examined the adjustments of the transit, May 28th, and found them correct; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined on Polaris, I proceed as follows: At station, at camp, which is 4 chs. N. of the north bdy. of this township, at 5h.30m.p.m., l.m.t., I set off $32^{\circ}30\frac{1}{2}'N.$ on the lat. arc; $21^{\circ}26\frac{1}{2}'N.$ on the decl. arc, and mark the meridian thus determined with the solar, by a tack driven in a wooden stake, firmly driven in the ground, 5 chs. N. of my station.

May 28, 1911.

May 29, 1911: At 3h.7m. a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with instructions in the Manual, and mark the line thus determined, by a tack driven in a wooden peg, set in the ground, 5 chs. N. of my station. At 6h.a.m., I lay off the angle of Polaris, $1^{\circ}23'$ to the W., and mark the meridian thus determined by a tack in a stake set last evening, on which the meridian falls 0.4 ins. W. of mark determined by the solar. At 6h.30m.a.m., l.m.t., at station, I set off $32^{\circ}30\frac{1}{2}'N.$ on the lat. arc; $21^{\circ}31\frac{1}{2}'N.$ on the decl. arc, and mark the meridian thus determined by a tack driven in a stake already set, 5 chs. N. of my station; this mark falls 0.4 ins. W. of meridian established by Polaris observation. The solar apparatus by p.m. and a.m. observations, defines positions for meridians, $0'22''W.$, and $0'22''E.$ of the meridian established by Polaris observation; therefore, I conclude that the adjustments of the instrument are satisfactory. Magnetic declination, $13^{\circ}20'E.$

May 31: At 1h.30m.p.m., l.m.t., I set off $32^{\circ}27'N.$ on the lat. arc; and $21^{\circ}51\frac{1}{2}'N.$ on the decl. arc, and determine a true meridian with the solar, at the cor. of secs. 19, 24, 25 and 30, as established by me this day, and described in Book I.

Thence I run,
North, bet. secs. 19 and 24.
Ascending over mountainous land.

31.80 Top of ridge, NW. and SE., and descend.
40.00 Set an iron post, 3 ft. long, and 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, and $1\frac{1}{2}$ ft. high, W. of cor. An oak tree, 8 ins. in diam., bears $S.46^{\circ}30'E.$, 76 lks. dist., scribed $\frac{1}{4}$ S 19 B T.

68.00 Pits impracticable. No other tree available. Wash, 40 lks. wide, course NW., and ascend. This is 330 ft. lower than $\frac{1}{4}$ cor.

68.80 Fence, $S.60^{\circ}E.$, and $N.60^{\circ}W.$
75.15 Top of ridge, NW. and SE., and descend along side hill, slopes W.

80.00 Set an iron post 3 ft. long, and 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, marked on brass cap, T 11 S in N. half; R 14 E S 13 in NW.,

2. East Boundary of Township 11 South, Range 14 East.

Chains.

R 15 E S 18 in NE.,

S 19 in SE., and

S 24 in SW. quadrant; raise a mound of stone, 2 ft. base, and $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, very mountainous.

Soil, a disintegrated granite and very shallow; 4th rate.

Scattering oak and cacti.

May 31, 1911.

June 1, 1911. At 7h. a.m., l.m.t., I set off $32^{\circ}28'N.$, on the lat. arc; $21^{\circ}58\frac{1}{2}'N.$ on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 13, 18, 19 and 24.

Thence I run,

North, bet. secs. 13 and 18.

Var. $13^{\circ}35'E.$

Over mountainous land, through scattering brush.

9.00 Wash, 30 lks. wide, course NW.

40.00 Set an iron post, 3 ft. long, and 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., andS 18 in E. half; raise a mound of stone, 2 ft. base, and $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

49.00 Gulch, 75 lks. wide, course SW.

80.00 Set an iron post 3 ft. long, and 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, marked on brass cap,

T 11 S in N. half;

R 14 E S 12 in NW.,

R 15 E S 7 in NE.,

S 18 in SE., and

S 13 in SW. quadrant; raise a mound of stone 2 ft. base, and $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, very little, 4th rate.

Scattering palo verde and greasewood.

June 1. At this cor. at 11h. 57m. a.m., l.m.t., I set off $21^{\circ}59\frac{1}{2}'N.$ on the decl. arc, and observe the sun on the meridian; the resulting lat. is $32^{\circ}29'N.$

North, bet. secs. 7 and 12.

Over mountainous land, through scattering brush.

40.00 Set an iron post, 3 ft. long, and 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., andS 7 in E. half; raise a mound of stone, 2 ft. base, and $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

80.00 Set an iron post, 3 ft. long, and 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, marked on brass cap,

T 11 S in N. half;

R 14 E S 1 in NW.,

R 15 E S 6 in NE.,

S 57 in SE., and

S 12 in SW. quadrant; raise a mound of stone 2 ft. base, and $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, gravelly loam, 4th rate.

Scattering oak, and greasewood.

June 1, 1911.

East Boundary of Township 11 South, Range 14 East. 3.

Chains

June 2: At 7h. a.m., l.m.t., I set off 32° 29½' N. on the lat. arc; 22° 06½' N. on the decl. arc, and determine the meridian with the solar, at the cor. of secs. 1, 6, 7 and 12.

Thence I run, North, bet. secs. 1 and 6.

21.80 Over rough, mountainous land, through scattering brush. Wash, 15 lks. wide, course SW.

40.00 Set an iron post 3 ft. long and 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, ¼ S 1 in W., and S 6 in E. half; raise a mound of stone, 2 ft. base, and 1½ ft. high, W. of cor.

Pits impracticable.

83.42 Intersect the 2nd Std. Parallel S., 16.96 chs. E. of the standard cor. of secs. 35 and 36.

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for closing corner of Ts. 11 S., Rs. 14 and 15 E., marked on brass cap,

C C South of center,
T 10 S R 14 E S 35, S 36 in N., and
T 11 S in S. half;

S 6 R 15 E in SE., and

S 1 R 14 E in SW. quadrant; raise a mound of stone, 2 ft. base, and 1½ ft. high, S. of cor.

Pits impracticable.

Land, mountainous.

Soil, a disintegrated granite; 4th rate.

Scattering oak and greasewood.

June 2, 1911.

GENERAL DESCRIPTION.

The land embraced in this survey is very mountainous, being situated in the W. slope of the Catalina Mountains. It is not adapted to agriculture, because of its rocky and precipitous nature.

A few oak and cedars growing along the line.

The SE. part of the township is high in the mountains.

William H. Elliott
U. S. Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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FORM 2586

LIST OF NAMES.

A list of the names of the individuals employed by William H. Elliott
....., United States ~~Deputy~~ Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of E. bdy. T. 11S,
R. 14E.

showing the respective capacities in which they acted:

Albert Smith Chainman.

Max Grodell Chainman.

H.O. Temple Moundman.

..... Moundman.

..... Axman.

..... Axman.

Dexter Ellwell Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted William H. Elliott
....., United States ~~Deputy~~ Surveyor, in surveying all
those parts or portions of the E. bdy. of T. 11S., R. 14E.

G. S. R. meridian, Territory of Oregon of the
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for Oregon.....

Albert Smith Chainman.

Max Grodell Chainman.

H.O. Temple Moundman.

..... Moundman.

..... Axman.

..... Axman.

Dexter Ellwell Flagman.

Subscribed and sworn to before me this 15th
day of June 1911

William H. Elliott

U.S. Surveyor



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BOOK 2386

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, William H. Elliott, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the August 25, 1910 March 11, 1911, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the E. 1/4 Sec. 14 E.

G.S.R. of the _____ meridian, in the Frontier of Arizona, which are represented in the foregoing field notes as having been surveyed 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 United States 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 survey.

William H. Elliott
United States Deputy Surveyor.

Subscribed by said William H. Elliott, and sworn to before me }
this 28th day of October, 1911

Frank S. Ingalls
N.P. (Surveyor General)



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Ariz. March 16, 1912

The foregoing field notes of the survey of from East Boundary
of T11N R14E G.S.R. Meridian
Arizona

executed by William H. Elliott
under his Contract No. 2, dated August 25, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
United States 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.

United States Surveyor General.