Book F.

G. L. O. letter "E." April 25-1913

2384

FIELD NOTES

BOOK 2384

OF THE SURVEY OF THE

Prec. South and West Boundaries T 4 S. R 16 E.

Of the G. & 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. 7, 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 April 10, 1911

Survey completed May 10, 1911

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IH 57

See Book "E," for oaths.

BOOK 2384

INDEX DIAGRAM.

Township 4 S., *Range* 16 E.

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Fracl. South Boundary of Township 4 South, Range 16 East. B+C

Chains.	
	Having carefully tested my instrument on April 16 and 17, 1911, as described in Book E, I proceed as follows:
	April 20: At 7h.a.m.,l.m.t., I set off 33°02'N.on the lat.arc; and 11°17'N. on the decl.arc, and determine a true meridian at the cor.set for fracl. secs.5 and 32, set by me and heretofore described in Book E.
	Having determined the falling of the S.bdy. to be 79 lks. (see Book E), I conclude that the true course of the unsurveyed portion of this line to be N.89°40'W.
	Thence I run,
	N.89°40'W., on a true line, between secs.5 and 32,distance taken from the cor.of secs. 32 and 33, which is 11.94 chs. E.
	Over mountainous land, through thick brush.
15.30	Center of channel of Gila River, water, 1.25 chs.wide, course S.
17.62	A.E. R.R., course N.and S.
29.50	Top of ridge, SW. and NE., and along slope of same.
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; dig pits 18x18x12 ins., E.and W.of post 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ 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.5,6,31 and 32, marked on brass cap, T 4 S in N., T 5 S in S., and R 16 E in W.half; S 31 in NW., S 32 in NE., S 5 in SE., and S 6 in SW. quadrant; raise a mound of stone 2 ft. base,1½ ft .high,W.of cor. Pits impracticable.
	Land, mountainous.
	Soil, very little gravelly loam, 3rd rate.
	No timber.
	Greasewood brush and palo verde.

	N.89°40'W., on a true line, bet. secs. 31 and 6.
10.50	Ridge, N.and S., and descend.
22.00	Wash, 30 lks.wide, course S., and ascend.
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; raise a mound of stone 2 ftbase, 1½ ft. high,N.of post. Pits impracticable.
52.00	Ridge, N.and S., and descend.
65.60	Road to London-Arizona mine, NW.and SE.
66.87	Cor.of Ts. 4 and 5 S.,Rs.15 and 16 E. heretofore described.
	Land, mountainous.
	Soil, very little gravelly loam, 3rd rate.
	No timber.
	Greasewood and palo verde.
	April 20, 1911.
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2. Fracl. West bdy.of Township 4 South, Range 16 East.

Chains.	
	April 27: At 7h.a.m.,l.m.t., I set off 33° 02' N.on the lat.arc; 13°37'N. on the decl.arc, and determine a true meridian with the solar at the cor.of Ts.4 and 5 S.,Rs.15 and 16 E., which is a stone marked and witnessed as described by the Surveyor General.
	Thence I run,
	North, bet. secs.31 and 36.
	Var.13°55'E.
	Ascend over mountainous land, through thick brush.
0.50	Road to London-Arizona Mine, NW.and SE.
18.60	Top of ridge, E.and W., and over broken country.
40.00	Set an iron post 3 ft. long, 1 in. indiam., 26 ins. in the ground for ¼ sec.cor., marked on brass cap, ¼ S 36 in W., and S 31 in E.half; raise a mound of stone 2 cft.base. and 1½ ft. high,W.of cor. Pits impracticable.
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 and 36, marked on brass cap, T 4 S in N.half; R 15 E S 25 in NW., R 16 E S 30 in NE., S 31 in SE., and S 36 in SW. quadrant; raise a mound of stone 2 ft. base, 1½ ft. high,W.of cor.
	Pits impracticable.
	Land, very mountainous.
	Soil, very little decomposed granite, 4th rate.
	No timber.
	Greasewood brush.

	Thence North, bet. secs. 25 and 30.
	Over mountainous land.
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 25 in W., and S 30 in E.half; raise a mound of stone 2 ft. base, 1½ ft. high,W.of cor. Pits impracticable.
	The land is so extremely mountainous along this line, that I have abandoned it.
	At this ¼ sec.cor., at 11h.58m.,a.m.,l.m.t., I set off 13°40'S. on the decl.arc, and observe the sun on the meridian; the resulting lat.is 33° 03'N.

	May 20: At 7h.a.m., l.m.t., I set off 33° 05'N. on the lat.arc; 19°50½'N. on the decl.arc, and determine a true meridian with the solar at the cor.of secs.7, 12,13 and 18, described in the subdivisional notes of this township, in Book G.
	Thence I run,
	North, bet. secs.7 and 12.
	Over mountainous land, descending through thick brush.
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 12 in W., and S 7 in E.half; dig pits 18x18x12 ins. N.and S.of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W.of cor.
58.75	Dripping Springs flat.
62.50	Dripping Springs wash, 1.75 chs.wide, course E.
68.75	Ascend.

Chains.

80.00 Set iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for cor.of secs. 1,6,7 and 12, markedon brass cap,
T 4 S in N.half;
R 15 E S 1 in NW.,
R 16 E, S 6 in NE.,
S 7 in SE., and
S 12 in SW. quadrant; dig pits 18x18x12 ins. in each sec.5½ ft. dist., and raise a mound of earth 4 ft. base, and 2 ft. high, W.of cor.
Land, mountainous, except 10 chs. in Dripping Springs flat.
Soil, a gravelly loam, 2nd rate.
No timber.
Greasewood brush and palo verde.

May 20, 1911.

At this cor. at 11h. 56m. a.m.,l.m.t., I set off 19°52'N. on the decl.arc, and observe the sun on the meridian; the resulting lat.is 33°06' N.

GENERAL DESCRIPTION.

The land embraced in this survey is very mountainous,ascending very rapidly from the river. There is very little soil. There is a growth of greasewood brush and cacti, with some palo verde. The ¼ sec.cor. bet. secs.25 and 30 is 3000 ft. above the river.

William H. Ellis
U. S. Surveyor.

APPROVAL.

BOOK 238 4 & 1

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. March 16, 1912

The foregoing field notes of the survey of Exc. South and West

of T. 4 S. R. 16 E., G. & S. R. Meridian

Arizona

executed by William H. Elliott

under his special instructions dated March 11, 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 A. Ingalls

U. S. Surveyor General.