

Book C

MAR 13 1912 23

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

2381

FIELD NOTES

OF THE SURVEY OF THE **BCCK** 2381

East Boundary I S P R 10 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 Aug 25, 1910, 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, Sept. 9, 1910, pursuant to authority contained in the Act of Congress dated June 25, 1910 ^{and March 4, 1911}

Survey commenced March 30, 1911

Survey completed _____, 1911

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BOOK 2381

INDEX DIAGRAM.

Township 5D, Range 10E.

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

Note: See Book A. for Oaths

East bdy. of Township 5 South, Range 10 East.

1. c

Chains

- Knowing from recent tests, (see Book A.) that my instrument is in adjustment, I proceed as follows:
 March 30, 1911: At 7h. 30m. a.m., l.m.t., I set off $32^{\circ} 56\frac{1}{2}'$ N. on the lat. arc; $3^{\circ} 31'$ N. on the decl. arc, and determine a meridian with the solar, at the true point for the Std. SW. cor. of Ts. 5 S., Rs. 10 E., as recently established by me, XSE.
- Thence I run,
 North, on a true line, bet. secs. 31 and 36.
 Over slightly rolling land, through thick brush.
- 0.15 North edge of wash.
 3.38 SW. cor. T. 5 S., R. 11 E., heretofore described.
 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. and S. of post 3 ft., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 43.35 Wash, 40 lks. wide, course W.
 69.20 Wash, 10 lks. wide, course W.
 71.15 Wash, 30 lks. wide, course 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 and 36, marked T 5 S S 30 in NE., R 11 E S 31 in SE., S 36 in SW., and R 10 E S 25 in NW. quadrant; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
- Land, slightly rolling.
 Soil, gravelly loam, 2nd rate.
 Mesquite, ironwood and palo verde.
 Greasewood brush and cacti.
-
- North, bet. secs. 25 and 30.
 Over slightly rolling land, through thick brush.
- 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 $\frac{1}{4}$ S 25 in W., and S 30 in E. half; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 59.10 Wash, 100 lks. wide, course W.
 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 and 30, marked on brass cap, T 5 S S 19 in NE., R 11 E S 30 in SE., S 25 in SW., and R 10 E S 24 in NW. quadrant; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
- Land, slightly rolling.
 Soil, gravelly loam; 2nd rate.
 Mesquite, ironwood and palo verde.
 Greasewood brush.
-
- North, between secs. 19 and 24.
 Over slightly rolling land, through thick brush.
- 10.50 Wash, 15 lks. wide, course N. 70° W.
 35.85 Road, E. and W.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in

2. East Bdy. of Township 5 South, Range 10 East.

Chains.

	<p>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; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p>
80.00	<p>Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for the cor. of secs. 13, 18, 19 and 24, marked on brass cap, T 5 S S 18 in NE., R 11 E S 19 in SE., S 24 in SW., and R 10 E S 13 in NW. quadrant; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of stone 4 ft. base, 2 ft. high, W. of cor.</p> <p>Land, slightly rolling. Soil, gravelly loam, 2nd rate. Mesquite, ironwood, and palo verde. Greasewood brush. At this cor. I set off $3^{\circ}34'$ N. on the decl. arc, and at 12h. 5m., I observe the sun on meridian. The result- ing lat. is $32^{\circ}59'N$.</p>

	<p>North, bet. secs. 13 and 18. Over rolling land, through thick brush.</p>
2.10	Wash, 40 lks. wide, course N. $70^{\circ}W$.
16.65	Wash, 150 lks. wide, course NW.
25.35	Wash, 30 lks. wide, course NW.
40.00	<p>Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 13 in W., and S 18 in E. half; dig pits 18x18x12 ins. N. and S. of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p>
69.80	Wash, 15 lks. wide, course NW.
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 and 18, marked on brass cap, T 10 S, S 7 in NE., R 11 E S 18 in SE., S 13 in SW., and R 10 E S 12 in NW. quadrant; 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.</p> <p>Land, rolling. Soil, gravelly loam, 2nd rate. Ironwood and palo verde. Greasewood brush.</p>

	<p>North, bet. secs. 7 and 12. Over rolling land, through thick brush.</p>
3.30	Wash, 20 lks. wide, course NW.
9.95	Road, Florence to Mammoth, brs. N. $70^{\circ}W$. and S. $70^{\circ}E$.
40.00	<p>Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p>
74.80	Wash, 100 lks. wide, course NW.
80.00	<p>Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 1, 6, 7 and 12, marked on brass cap, T 5 S S 6 in NE.,</p>

East Bdy. of Township 5 South, Range 10 East.

3.

Chains

R 11 E S 7 in SE.,
S 12 in SW., and
R 10 E, S 1 in NW. quadrant; dig pits 18x18x12 ins.,
in each sec. 5½ ft. dist., and raise a mound of earth
4 ft. base, 2 ft. high, W. of cor.

Land, rolling.
Soil, gravelly loam.
Ironwood and palo verde.
Greasewood brush.

40.00 North, bet. secs. 1 and 6.
Over rolling land, through thick brush.
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 1 in E., and
S 6 in W. half; dig pits 18x18x12 ins. N. and S. of
post 3 ft., and raise a mound of earth 3½ ft. base, 1½
ft. high, W. of cor.

46.52 Road to Kelvin, E. and W.

57.85 Wash, 20 lks. wide, course NW.

81.50 Wash, 20 lks. wide, course NW.

82.53 South line of T. 4 S., R. 10 E., 6.89 chs. N. 89° 46' W. of SE.
cor. of sec. 36.

Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
the ground for closing cor. of Ts. 5 S., Rs. 10 and 11
E., marked on brass cap,

C C, S. of center,
T 4 S R 10 E S 36 R 11 E S 31 in N., and
T 4 S in S. half;
S 6 R 11 E in SE., and

S 1 R 10 E in SW. quadrant; dig pits 30x24x12 ins.,
crosswise on each line, E. and W. 4 ft. and S. of cor.
8 ft. dist., and raise a mound of earth 5 ft. base, 2½
ft. high, S. of cor.

Land, rolling.
Soil, gravelly loam, 2nd rate.
Ironwood, mesquite and palo verde.
Greasewood brush.

March 30, 1911.

Boundaries of Township 5 South, Range 10 East.
Latitudes, departures, and closing errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
West Bdy.	N. 0° 50' E.	481.98	481.98		7.00	
North Bdy.	S. 89° 46' E.	473.11		.54	473.11	
East Bdy.	South,	482.53		482.53		
South Bdy.	West,	440.00				440.00
" "	S. 89° 05' W.	40.00		.64		40.00
Convergency,					.47	
Totals,			481.98	483.71	480.58	480.00
Error in latitude,			481.98	480.00		
Error in departure,				1.73	.58	

4. Township 5 South. Range 10 East.

GENERAL DESCRIPTION.

The lands embraced in this survey are nearly level in the south, and rolling in the north parts. The drainage is to west and northwest. The soil is a shallow gravelly loam, being very poor in the north part. It produces a crop of forage grass in the wet seasons. It is covered with a growth of ironwood, palo verde and mesquite trees and cacti and greasewood brush.

William N. Elliott
U. S. Surveyor.

APPROVAL.

BOOK 2382

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Phoenix, Ariz. March 16, 1912

The foregoing field notes of the survey of

the East Boundary of

J. S. R. 10 E., S. 34 N. Meridian
Clifton

executed by

William H. Elliott

under his special instructions dated

August 21

, 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. Dugalk

U. S. Surveyor General.