

Book B

2380

MAR. 13. 1912

14 (1)

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

re
OF THE SURVEY OF THE

BOOK 2380

First Standard Parallel South, through Range 18E

Of the *6th PR* 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 26*, 1911

Survey completed " " " " , 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

DEC. 18. 1911

15

(1A)

JAN. 2- 1912

BOOK 2380

INDEX DIAGRAM.

Township 5D, Range 15E,

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
/	/	✓	✓	3	6

Meanders Page _____

16 (18)
BOOK 2380

PRELIMINARY OATHS OF ASSISTANTS.

WE, Walter S. Ingalls and Wallace R. Bond

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 tally 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

1st Std. Par. S., through R. 10 E.

Walter S. Ingalls, Chairman.
Wallace R. Bond, Chairman.

Subscribed and sworn to before me this 8th day of March, 1911



William H. Elliott
U. S. Surveyor

W. I. Albert Smith 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

1st Std. Par. S., through R. 10 E.

Albert Smith, Moundman.
Moundman.

Subscribed and sworn to before me this 8th day of March, 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, John Haggard, 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 1st Std. Par. S., through R. 10 E.

John Haggard, Flagman.

Subscribed and sworn to before me this 8th day of March, 1911



William H. Elliott
U. S. Surveyor

Resurvey of the 1st. Stand. Par. South, through Range 10 East. (1.C)

Chains.

- Survey commenced March 26, 1911, and executed with a Young and Sons Solar transit, No. 8480. The instrument was examined and tested on the true meridian, at Phoenix, March 6, 1911, and found correct. It was also farther tested at camp, March 18 and 19, by p.m. and a.m. solar observation, on a true meridian as determined by Polaris observation.
- At 7h.a.m., 1.m.t., I set off $32^{\circ}56\frac{1}{2}'$ N. on the lat. arc; $1^{\circ}57'$ N. on the decl. arc, and determine a true meridian at the Std. cor. of Ts. 5 S., Rs. 9 and 10 E., where I find the post nearly rotted, but find pits as described by the Surveyor General. I reestablish the cor. as follows:
- Set a charred ironwood post $3\frac{1}{2}$ ft. long, 5 ins. sq., 30 ins. in the ground for Std. cor. to Ts. 5 S., Rs. 9 and 10 E., scribed,
 S C, T 5 S on N.,
 R 10 E, S 31 on E., and
 R 9 E S 36 on W. face, with 6 grooves on N., E. and W. faces; dig pits $30 \times 24 \times 12$ ins. crosswise on each line E. and W. 4 ft., and N. of post 8 ft. dist., and raise a mound of earth 5 ft. base, $2\frac{1}{2}$ ft. high, N. of cor. Being able to see the $\frac{1}{4}$ sec. cor. on S. side of sec. 31, I run,
 N. $89^{\circ}05'E.$ on S. line of sec. 31,
 Var. $13^{\circ}47'E.$
- Over level land, through thick brush.
- 37.00 Road, brs. N. and S. to Red Rock.
- 40.00 Old $\frac{1}{4}$ sec. cor. very much decayed and indication of pits. I destroy old cor., and set a charred ironwood post $3\frac{1}{2}$ ft. long, 4 ins. sq., 30 ins. in the ground for Std. $\frac{1}{4}$ sec. cor., scribed,
 S A P on S.,
 S C $\frac{1}{4}$ S 31 on N. face; dig pits $18 \times 18 \times 12$ ins. E. and W. of post, and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of corner.
- 10.20 Thence I run east,
 C.C. of Ts. 6 S., Rs. 9 and 10 E., 2.10 chs. N., which is a mesquite post plainly marked. I fill pits, destroy mound, and re-set C.C. post on line bet. C.C. and $\frac{1}{4}$ sec. cor., bet. secs. 1 and 6; and dig pits $30 \times 24 \times 12$ ins. crosswise on each line, E. and W. 4 ft. and S. of post 8 ft. dist., and raise a mound of earth 5 ft. base, $2\frac{1}{2}$ ft. high, S. of cor.
- 40.00 Thence I run, east, establishing cors. at regular intervals.
- I find faint indications of pits 28 lks. S. of the point, which I destroy. Set a charred ironwood post $3\frac{1}{2}$ ft. long, 4 ins. sq., 30 ins. in the ground for Std. cor. of secs. 31 and 32, scribed,
 S C T 5 S R 10 E on N.,
 S 32 on E., and
 S 31 on W. face, with 5 grooves on E. and 1 groove on W. face; dig pits $24 \times 18 \times 12$ ins. crosswise on each line, E. and W. 3 ft. and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.
- Land, level.
 Soil, gravelly loam, 2nd rate.
 Timber, ironwood and palo verde.
 Greasewood brush.
-
- 40.00 East, on S. bdy. sec. 32.
 Over level land, through thick brush.
 Standard $\frac{1}{4}$ sec. cor., faint indications of pits and mound 58 lks. N., which I destroy, and set a charred mes-

2. Resurvey First Stand. Parl. South through Range 10 East.

Chains.

quite post $3\frac{1}{2}$ ft. long, 4 ins. sq., 30 ins. in the ground, for Stand. $\frac{1}{4}$ sec. cor., scribed S C $\frac{1}{4}$ S 32 on N. face; dig pits $18 \times 18 \times 12$ ins. E. and W. of post 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 Found indications of pits and mound 60 lks. N., which I destroy, and set a charred mesquite post 3 ins. long, 4 ins. sq., 30 ins. in the ground for Std. cor. of secs. 32 and 33, scribed,
S C T 5 S R 10 E on N.,
S 33 on E., and
S 32 on W. face, with 4 grooves on E. and 2 grooves on W. face; dig pits $24 \times 18 \times 12$ ins., crosswise on each line, E. and W. 3 ft. and N. of post 7 ft. dist.; raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.

Land, level.
Soil, gravelly loam, 2nd rate.
Timber, mesquite, ironwood and palo verde. Greasewood brush.

At this cor. at 12h. 6m. p.m., 1.m.t., I set off $2^{\circ} 0'$ N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is $32^{\circ} 56\frac{1}{2}'$ N.

East, on the S. bdy. of sec. 33.
Over level land, through thick brush.

8.38 Durham road, N. and S.

40.00 Set a charred mesquite post $3\frac{1}{2}$ ft. long, 4 ins. sq., 30 ins. in the ground for Std. $\frac{1}{4}$ sec. cor., scribed S C $\frac{1}{4}$ S 33 on N. face.
A mesquite tree 12 ins. in diam., brs. N. 25° W., 198 lks. dist., scribed S C $\frac{1}{4}$ S 33 B T.
No other tree available; dig pits $18 \times 18 \times 12$ ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No signs of old $\frac{1}{4}$ sec. cor.

80.00 Set a charred ironwood post $3\frac{1}{2}$ ft. long, 4 ins. sq., 30 ins. in the ground for Std. cor. of secs. 33 and 34, scribed
S C T 5 S R 10 E on N.,
S 34 on E., and
S 33 on W. face, with 3 grooves on E. and W. face.
An ironwood tree, 12 ins. in diam., bears N. $77^{\circ} 15'$ W., 188 lks. dist., scribed, S C T 5 S R 10 E S 33 B T.
No other tree available; dig pits $24 \times 18 \times 12$ ins. crosswise on each line on each line, E. and W. 3 ft. and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.

Land, level.
Soil, gravelly loam, 2nd rate.
Timber, mesquite, ironwood and palo verde.
Greasewood brush.

East on S. bdy. of sec. 34.
Over level land, through dense brush.

34.50 Wash, 10 lks. wide, course NW.

40.00 Set a charred catsclaw post $3\frac{1}{2}$ ft. long, 4 ins. sq., 30 ins. in the ground, for Std. $\frac{1}{4}$ sec. cor., scribed S C $\frac{1}{4}$ S 34 on N. face; dig pits $18 \times 18 \times 12$ ins. E. and W. of post 3 ft. dist. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Find indications of old pits and mound 116 lks. N., which I destroy.

73.45 Telephone line, brs. N. 43° W., and S. 43° E.

Resurvey First Stand, Par. South, through Range 10 East.

Chains.

77.18 Road, brs. NW. and SE.

80.00 Set a charred ironwood post 3½ ft. long, 4 ins. sq., 30 ins. in the ground for Std. cor. of secs. 34 and 35, scribed.

S C, T 5 S R 10 E on N.,

S 35 on E., and

S 34 on W. face, with 2 grooves on E. and 4 grooves on W. face.

A mesquite tree, 10 ins. in diam., brs. N. 35° 15' W., 54 lks. dist., scribed S C T 5 S R 10 E S 34 B T.

No other tree available. Dig pits, 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor. Indications of pits and mound 65 lks. N. of cor., which I destroy.

Land, level.

Soil, gravelly loam, 2nd rate.

Timber, mesquite, catsclaw, ironwood and palo verde.

Greasewood brush.

East on south line of sec. 35.

Over level land, through dense brush.

38.85 Wash, 30 lks. wide, course NW.

40.00 Set a charred ironwood post 3½ ft. long, 4 ins. sq., 30 ins. in the ground for Std. ¼ sec. cor., scribed S C ¼ S 35 on N. face; 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. After diligent search, I find no trace of old cor.

54.95 Wash, 30 lks. wide, course NW.

80.00 Set charred ironwood ppst 3½ ft. long, 4 ins. sq., 30 ins. in the ground for Std. cor. of secs. 35 and 36, scribed

S C T 5 S R 10 E on N.,

S 36 on E., and

S 35 on W. face, with 1 groove on E. and 5 grooves on W. face; dig pits 24x18x12 ins. crosswise on each line, E. and W. 3 ft. and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.

After diligent search, I fail to find any trace of old cor.

Land, level.

Soil, gravelly loam, 2nd rate.

Timber, mesquite, catsclaw. ironwood and palo verde.

Greasewood brush.

East on south line of sec. 36.

Over level land, through dense brush.

40.00 Set a charred ironwood post 3½ ft. long, 4 ins. sq., 30 ins. in the ground, for Std. ¼ sec. cor., scribed, S C ¼ S 36 on N. face; 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.

After diligent search, I fail to find any trace of old cor.

42.25 Road, brs. NW. and SE.

44.00 Enter wash 25 lks. wide, course N. 70° W.

46.80 Leave wash. Point for Tp. cor. falls in wash, so at

78.50 Set a charred ironwood post 3½ ft. long, 4 ins. sq., 30 ins. in the ground for W. C. to SE. cor. of Tp. 5 S.,

R. 10 E., scribed,

S 1 on NE.,

T 6 S R 10 E S 1 on SE.,

4. Resurvey 1st Stand. Par. South through Range 10 East.

Chains.

S 1 on SW., and
 W C S C T 5 S R 10 E S 36 on NW. face, with 6 notches
 on N. and W. edges. Dig pits 36x36x12 ins., N. and W.
 of post, 8 ft. dist., and raise a mound of earth 5 ft.
 base, 2½ ft. high, NW. of cor.

A palo verde tree, 9 ins. in diam., brs. N.39°15'W.,
 164 lks. dist., scribed W C S C T 5 S R 10 E S 36
 B T.

The old Std. cor. of Ts. 5 S., Rs. 10 and 11 E, brs. N.
 3.88 chs. I change markings on same to refer
 to one township only.

Land, level.

Soil, gravelly loam, 2nd rate.

Timber, mesquite, catclaw, ironwood and palo verde.

Note: As two sets of chainmen were not available, I
 had this Standard carefully rechaind. Careful
 search failed to reveal any trace of old C C of Tps.
 6 S., Rs. 10 and 11 E.

March 26, 1911.

GENERAL DESCRIPTION.

The lands embraced in this survey are slightly rolling,
 with the drainage to the NW. The soil is gravelly
 loam of a shallow depth, but produces a good crop of
 forage grass in the wet seasons. It is covered with a
 growth of ironwood, palo verde and mesquite trees
 and cactus; and greasewood brush.

William H. Collins
 U. S. Surveyor.

LIST OF NAMES.

BOOK 2380

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 1st Par. S., through R. 10 E.

showing the respective capacities in which they acted:

Walter S. Ingalls, Chairman.

Wallace R. Bond, Chairman.

Albert Smith, Moundman.

Moundman.

Axman.

Axman.

John J. Haggard, 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 *First Sec. Par. S. through R. 10 E.*

..... of the *G.S.R.* meridian, *County of Arizona*, which are represented 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 *Arizona*

Walter S. Ingalls, Chairman.

Wallace R. Bond, Chairman.

Albert Smith, Moundman.

Moundman.

Axman.

Axman.

John J. Haggard, Flagman.

Subscribed and sworn to before me this *5th* day of *April*, 19 *11*

William H. Elliott

U. S. Surveyor



22
BOOK 2380

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 Mark S. Ingalls United States Surveyor General for Oregon, bearing date of the August 25, 1910 ~~and March 11, 1911~~, 1910, 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 Oregon, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the First Standard Parallel South through R. 10 E

of the G.S.A. meridian, in the Territory of Oregon, 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 Oregon 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 28 day of October, 1911



Mark S. Ingalls
United States Surveyor General

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Paris, Ore. March 16, 1912

The foregoing field notes of the survey of the First Standard Parallel South through Range 10 East, G.S.A. Meridian, Oregon

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.

Mark 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.