

1904
Sept. 23, 1904.
160
1

1918

Book "a"

1918

1918

BOOK 1918

FIELD NOTES

OF THE SURVEY OF THE

*East Boundary of Township
No. 7 North, Range No. 10 East;
between Sections 1 and 6*

1918

1918

Of the *Gila Salt River* Meridian,

District of Arizona.

AS SURVEYED BY

Wray C. Baker, United States Deputy Surveyor,

Under ~~his~~ ^{joint} Contract No. *116*, dated *April 18, 1904*, 189

Survey commenced *June 24, 1904*, 189

Survey completed *June 25, 1904*, 189

1918

1918

1918

*Accepted Letter Co.
7/18/08
Dev. Dept
mch 6/08*

164
1A

NAMES AND DUTIES OF ASSISTANTS.

BOOK 1918

Virgil D. East chairman
Donald Stevenson "

Cecil H. Gilstrap agent

462
1B

BOOK 1918
INDEX DIAGRAM.

Township *North*, Range *10 East*

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

763
10
BOOK 1918

WE, Virgil D. Earl and Donald Stevenson
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over 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

C. City of D. W. R. Co., 1st sec. 1 and 6
Virgil D. Earl, Chainman.
Donald Stevenson, Chainman.

Subscribed and sworn to before me this 24 }
day of June, 1904, 189



Ivan E. Oaker
U. S. Dept. Surveyor

WE, _____ 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

_____, Moundman.
_____, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 189



~~WE~~, Orval G. Gilstrap 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~~ ^{me}, to the best of ~~our~~ ^{my} skill and ability, in the survey of

C. City of D. W. R. Co., 1st sec. 1 and 6
Orval G. Gilstrap, Axman.
_____, Axman.

Subscribed and sworn to before me this 24 }
day of June, 1904, 189



Ivan E. Oaker
U. S. Dept. Surveyor

I, _____, 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 _____

_____, Flagman.

Subscribed and sworn to before me this _____ }
day of _____, 189



Survey commenced June 24, 1904 and executed with a Standard C. Dubley improved light mountain transit No. 30, with solar attachment. The horizontal limb is provided with two opposite verniers reading to 30" of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Spokane, Wash., by Gen. R. Campbell, Civil Engineer and found correct, June 19, 1904.

I examined the adjustments of the transit, and find no level or collimation errors; 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 by observations on Polaris, I proceeded as follows:

At the eve. of subs. 4, 6, 7 and 12 on the E. side of S. 77, R. 10 E., which is a quartzite rock in

165

BOOK 1918

plates $4 \times 18 \times 6$ ins., above ground, marked \times on top with 1 notch on the N. and 5' notches on the S. of the cross, and witnessed by a stone mound as described by the surveyor general; latitude $39^{\circ} 58' 22''$ N., longitude $111^{\circ} 14' 49''$ W. I set off $39^{\circ} 58 \frac{1}{2}'$ N. on the lat. arc; $23^{\circ} 25 \frac{1}{2}'$ on the decl. arc; and at $8^h 10^m$ P. M., L. M. T., determined with the solar a meridian and marked a point (thereof, on a stone set firmly in the ground 5 chs. N. of the site.

At $1^h 12^m$ A. M., by my watch which is correct with L. M. T., I observe Polaris at eastern elongation, in accordance with Manual of Instructions and mark a point in the line thus determined on a peg driven in the ground 5 chs. N. of my station.

June 20: At $7^h 30^m$ A. M., L. M. T., I lay off the azimuth of Polaris, $12^{\circ} 47'$ to the N. and mark the meridian thus determined, by cutting a cross in the stake already set 5 chs. N. of my station, on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 8^h 10^m a.m. l.m.f. I
set off 33° 58¹/₂ N. on the
lat. acc; 23° 44¹/₂ N. on the
def. acc; and mark a
point in the meridian
determined with the
solar, by a groove on the
stone already set 5 chs
N. of my station; this
mark falls 0.1 ins. east of
the meridian established
by the Polaris observations.

The solar observations
by p.m. and a.m. obser-
vations, defines positions
for meridians, respectively
about 0.21" N. and 0.05" E.
of the meridian estab-
lished by the Polaris
observations; therefore, I
conclude that the
adjustments of the instru-
ment are satisfactory.

The magnetic bearing
of the meridian
at 8^h 30^m a.m. is N. 14° 20'
E., the angle thus de-
termined gives the mag-
netic declination
14° 20' E.

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I commence at the  
cor. of sec. 1, 6, 7 and 12  
on the E. bdy. of S. 17,  
R. 10 E., described heretofore.  
Thence I run  
North bet. sec. 1 and 6.  
Around along N. slope  
of mountain through  
scattering undergrowth.

East boundary of S. 7 T. R. 10 E, con.

4  
167  
BOOK 1918

- 150 Spur, 25 ft. above sec. cor, bears N. around.
- 200 Ravine, 25 ft. deep, bears N. H. around.
- 45.40 Ridge point 400 ft. high, slopes toward the S. H.
- 40.00 Set a granite stone, 10x10x8 ins., 10 ins. in the ground, for  $\frac{1}{4}$  sec. cor, marked  $\frac{1}{4}$  on the N. face, and raised a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor, pits impracticable.
- 47.20 Ravine, 200 ft. deep, course S. H. around.
- 57.40 Ridge spur, 300 ft. high, slopes toward the N. around.
- 72.45 Ravine, 400 ft. deep, course N. H. around.
- 80.00 Set a granite stone, 18x12x10 ins., 12 ins. in the ground, for cor. of S. 7 T. R. 10 and 11 E, marked with 6 notches on the N, S, E. and N. edges, and raised mound of stone 3 ft. base, 4 ft. high, N. of cor, pits impracticable. Land, mountainous. Soil, sandy and stony, red and rich rate. No timber. Undergrowth, sage and chophareol. Mountainous land, rocks. This township cor, stands on N. slope of mountain, 300 ft. above the cor. of sec. 1, 6, 7 and 12. At this sp. cor, I set off

211

20°-44' N. on the decl. acc. and at 12<sup>h</sup> 02<sup>m</sup> P.M., observe the sun on the meridian; the resulting latitude is 33°-59' N., which is 0.2 less than the proper lat.

BOOK 768  
1918

June 25, 1904.

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General Description.

That part of the E. boundary of S. D. N. R. 10 E., bet. sections 1 and 6, passes over a rough, mountainous region. There is very little water on either side of the line. There is no timber, but a scattering growth of sage and choparal. The hill sides are covered with a good growth of bunch grass. The land is well adapted for grazing.

1918

John E. Dukes

U. S. Dept. Surveyor

Note -

No one authorized to administer oaths, other than myself, being available, without great inconvenience, delay and expense, therefore, I administer the required

East boundary of S. 17 N. R. 10 E.

6

469

BOOK 1918

Preliminary and final
notes.

Jan. E. Parker
U. S. Dept. Surveyor.

LIST OF NAMES.

BOOK 1918

A list of the names of the individuals employed by Ivan E. Baker, 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. Eddy

of S. 7th, W. 10 E, bet. sec. 1 and 6 showing the respective capacities in which they acted:

Virgil D. Earl, Chainman.

Donald Stevenson, Chainman.

, Moundman.

, Moundman.

Orval C. Gilstrap, Axman.

, Axman.

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Ivan E. Baker, United States Deputy Surveyor, in surveying all

those parts or portions of the E. Eddy of S. 7th, W. 10 E, bet. sec. 1 and 6

of the Gilg

Salt River meridian, District 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
Virgil D. Earl, Chainman.

Donald Stevenson, Chainman.

, Moundman.

, Moundman.

Orval C. Gilstrap, Axman.

, Axman.

, Flagman.

Subscribed and sworn to before me this 25 day of June, ~~1917~~, 1918



Ivan E. Baker
U.S. Deputy Surveyor

1778
BOOK 1918

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Juan E. Oakes, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Gen. Frank A. Ingalls United States Surveyor General for Arizona, bearing date of the 15th day of April, 1904, 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

East Boundary of Township No. 1 North, Range No. 6 East, 6th section 1 and 6 of the Gila and Salt River meridian, in the State 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Juan E. Oakes
United States Deputy Surveyor.

Subscribed by said Juan E. Oakes, and sworn to before me }
this 31st day of August, 1804'

Lincoln Bolton
County Clerk



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, A.T., December 31st, 1904

The foregoing field notes of the survey of the East Bdy. of sec. 1 of T. 2 N., R. 10 E. of the Gila and Salt River Base and Meridian, in the territory of Arizona

executed by Juan E. Oakes, U. S. Deputy Surveyor, under ~~his~~ ^{joint} contract No. 116, dated April 18th, 1904, 1904, 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
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.~~