

B..k C.

2276

BOOK 2276

2276

FIELD NOTES

OF THE SURVEY OF THE

Fractional West Boundary T23S R27E

2276

2276

Of the *G. S. R. B.* Meridian,

Quincy

AS SURVEYED BY

Augh J. Du Val, United States Deputy Surveyor,

Under his Contract No. *163*, dated *May 16*, 19*10*

Survey commenced *Nov 28*, 19*10*

Survey completed *Nov 29*, 19*10*

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For NAMES AND DUTIES OF ASSISTANTS.

See Book A.

BOOK 2276

INDEX DIAGRAM.

Township 73 S, Range 24 E.

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Meanders Page

Rec Book A

WE, _____ and _____

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 _____

_____, *Chainman.*

_____, *Chainman.*

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



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 _____, 19 _____ }



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, _____, 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 _____, 19 _____ }



Chains,

Survey commenced Nov. 28th, and executed with Blount & Co. Light Engineering Transit No. 601, previously described.

I examine the adjustments of the transit and find them to be 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 mer. determined by observations on Polaris, I proceed as follows:-

At my camp in section 28, T. 23 S., R. 24 E.; latitude $31^{\circ}24'N$ long. $109^{\circ}54'25''W$; I set off $21^{\circ}15'S$ on the decl. arc, $58^{\circ}36'$ on the co-lat. arc, and at 4h, p. m., L. M. T., I determine a meridian with the solar and mark a point in the line thereof on a stone, firmly set, 5 chs. N. of my station.

At 9h, P. M., L. M. T., I obs. Polaris at upper culmination and mark a point in the line thus determined of the stone already set, 5 chs. N. of my station. This point falls 0.4 ins. to the West of the p. m. solar obs/ Nov. 28th, 1910.

Nov. 29th:- At 8h, a. m., l. m. t., I set off $21^{\circ}22'S$ on the decl. arc, and $58^{\circ}36'$ on the co-lat. arc and mark a point in the mer. thus determined on the stone set Nov. 28th, 5 chs. N. of my station. This point falls 0.2 ins. East of the Polaris obs.

The solar apparatus by p. m. and a. m. obs., define positions for meridians, respectively $0^{\circ}21'' E.$ and $0^{\circ}11'' E.$ of the mer. established by the Polaris obs.; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h 5m, a. m., is $N.13^{\circ}23'W.$; the angle thus determined gives the mag. decl. $13^{\circ}23'E.$

From the corner of Tps. 23 and 24 S., Rs. 23 and 24 E., a limestone, 8x6x4 ins. above ground, properly marked and witnessed as described by the Surveyor General,, I run North bet. secs. 31 and 36.

- .30 Fence about 50 lks. E. runs East and North.
- 16.12 Road bears NE. and SW.
- 37.71 E.P. & S.W. R.R. bears NE. and SW.
- 40.00 Set a granite stone, 15x8x6 ins/, 10 ins. in the ground for the 1/4 sec. cor., mkd. 1/4 on W. face, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
Corner of fence which runs S. and E., bears E. 47 lks
A house bears S. $37^{\circ}50'E.$ about 40 chs. and a Shack about 75 chs dist. bears S. $54^{\circ}30'E.$
- 80.00 Set a limestone, 14x12x6 ins., 10 ins. in the ground, for the cor. of secs. 25, 30, 31 and 36, mkd. with 1 notch on the S. and 5 notches on the N. edge, and raise a mound of stone, 2 ft. base, 1-1/2 ft. high, W. of cor.
Land rocky. Soil 3rd rate. Some grass.

North bet. secs/.25 and 30,

Chains.

14.95 Road bears NW. and SE.

40.00 Set a limestone, 18x7x6 ins., 12 ins. in the ground, for the 1/4 sec. cor., mkd. 1/4 on W. face, and raise a mound of stone, 2 ft. base, 1-1/2 ft. high, W. of cor.

80.00 Set a limestone, 12x9x6 ins., 8 ins. in the ground, for the cor. of secs. 19, 24, 25 and 30, mkd. with 2 notches on the S. and 4 notches on the N. edge and raise a mound of stone 2 ft. base, 1-1/2 ft. high, W. of cor.

Land rough and rocky. Soil 5th rate. Poor grass.

Note:- As the land to the north of this point is the roughest kind of bare limestone mountains, mineral in character, impracticable to survey and unfit for agricultural or grazing purposes I discontinue the surveys of the exterior lines of this township at this point.

H. F. Dulak

U. S. D. S.

in T23S R24E
 9th N. 24th W.

See Book M.

LIST OF NAMES.

A list of the names of the individuals employed by _____, 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 _____ showing the respective capacities in which they acted:

- _____, Chainman.
_____, Chainman.
_____, Moundman.
_____, Moundman.
_____, Axman.
_____, Axman.
_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____ of the _____ meridian, _____ of _____, 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 _____

- _____, Chainman.
_____, Chainman.
_____, Moundman.
_____, Moundman.
_____, Axman.
_____, Axman.
_____, Flagman.

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



See Book M

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 19____, 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 _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ of the _____ meridian, in the _____ of _____, 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 _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

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



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. July 13, 1912

The foregoing field notes of the survey of *the free West Boundary of Twp 23 S. R. 24 E. Gila Mts. Dist. Pima Base and Meridian, Arizona*

executed by *Hugh D. Duval, N.S.D.*
under his contract No. *163*, dated *May 16*, 19*10*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank D. 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.