

Book "D"

4-679.

Ordered filed Dept. letter E. of Jan'y 8-1910

Accepted April 2-1907 26  
1905

(1)

2131

BOOK 2131

# FIELD NOTES

OF THE SURVEY OF THE

2131

*Subdivisional and meander lines  
T16 N R 22 W*

2131

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Of the *Gila & Salt River* Meridian,

AS SURVEYED BY

*John J. Lesher*

, United States Deputy Surveyor,

Under his Contract No. *128*, dated *March 14<sup>th</sup>*, 1905

Survey commenced *Jan 13<sup>th</sup>*, 1906

Survey completed *Jan 14<sup>th</sup>*, 1906

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NAMES AND DUTIES OF ASSISTANTS.

Henry R O'Connor Chairman

Geo. W Cassidy Chairman

Henry R O'Connor Moderator

Geo. W Cassidy Moderator

J. J. Murphy Assessor

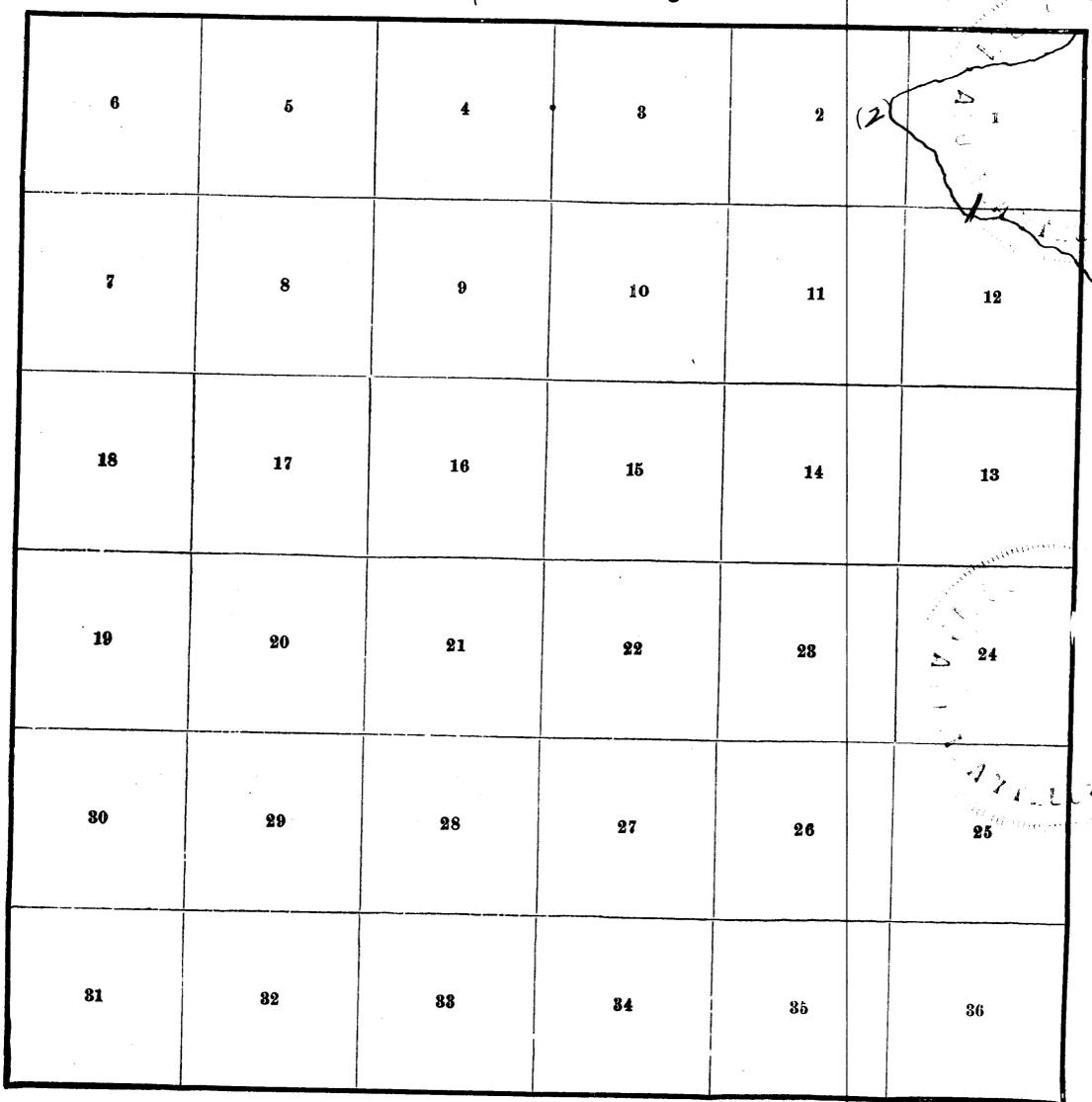
J. W. Ricketts Assessor

Ernie J Ayer Treasurer

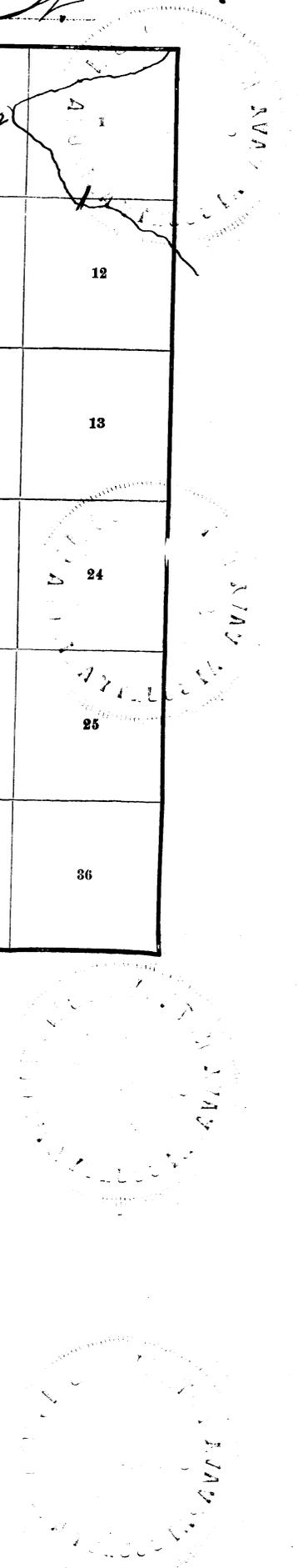
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INDEX DIAGRAM.

Township 16 N., Range 22 W.



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BOOK 2131

PRELIMINARY OATHS OF ASSISTANTS.

WE, Henry R O'Connor and Geo. W Cassidy  
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 Subdivisional and Meander lines T16N R22W

Henry R O'Connor, Chainman.  
Geo. W Cassidy, Chainman.

Subscribed and sworn to before me this 4<sup>th</sup>  
day of October, 1905



My commission expires  
May 19, 1908

J. J. Fisher  
Notary Public

WE, Henry R O'Connor and Geo W Cassidy  
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 Subdivisional and Meander lines T16N R22W

Henry R O'Connor, Moundman.  
Geo. W Cassidy, Moundman.

Subscribed and sworn to before me this 4<sup>th</sup>  
day of October, 1905



My commission expires  
May 19, 1908

J. J. Fisher  
Notary Public

WE, J. J. Murphy and J. W. Ricketts  
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 Subdivisional and Meander lines T16N R22W

J. J. Murphy, Axman.  
J. W. Ricketts, Axman.

Subscribed and sworn to before me this 4<sup>th</sup>  
day of October, 1905



My commission expires  
May 19, 1908

J. J. Fisher  
Notary Public

I, Irving V. Anger, 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 Subdivisional and Meander lines T16N R22W

Irving V. Anger, Flagman.

Subscribed and sworn to before me this 4<sup>th</sup>  
day of October, 1905



My commission expires  
May 19, 1908

J. J. Fisher  
Notary Public

chains

Survey commenced January 13th, 1906, executed with W. and L. E. Gurley Light Mountain Transit not numbered with a Smith Solar Attachment. The horizontal limb is provided with two double verniers, placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the lat. and decl. arc.

The instrument was examined and tested on the true meridian at Phoenix, found correct, and was approved by the Surveyor General for Arizona, September 25th, 1905.

I examine the adjustments of the Transit and correct the level and collimation errors, then to test the Solar Apparatus by comparing its indications, resulting from Solar observation, made during a.m. and p.m. hours with a true meridian determined by observations on Polaris, I proceed as follows:

January 13th: At the St. cor. of Tps. 17 N., Rs. 20 and 21 W., lat.  $34^{\circ} 44' 31.2''$  N., long.,  $114^{\circ} 26' 13''$  W., I set off  $34^{\circ} 45' N.$  on the lat. arc,  $21^{\circ} 31' S.$  on the decl. arc and at 10h.a.m.l.m.t., I determine a true meridian with the Solar and mark a point thereof on the stone set May 4th, 1905, 5.00 chs N. of my cor. This mark falls 0.25 ins. E. of the true meridian determined by Polaris observations May 5th, 1905. 24'-35"

At 2h.p.m.l.m.t., I set off  $34^{\circ} 45' N.$  on the lat arc,  $21^{\circ} 29' S.$  on the Decl. arc and determine a true meridian with the Solar and mark a point thereof on the stone 5.00 chs. N. of my cor. This mark falls 0.3 ins. W. of the true meridian established by Polaris observations.

The Solar Apparatus by p.m. and a.m. observations defines positions for true meridian respectively  $0' 13''$  E. and  $0' 16''$  W. of the true meridian established by Polaris observations. Therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the said true meridian is N.  $15^{\circ} 5' W.$  which gives the magnetic decl.  $15^{\circ} 5' E.$

January 13th, 1906.

January 14th, 1906.

At 8h.a.m.l.m.t., I set off  $34^{\circ} 44' N.$  on the lat. arc,  $21^{\circ} 19' S.$  on the decl. arc and determine a true meridian with the Solar at the cor. of Secs. 1, 6, 7 and 12, Tp. 16 N., R. 21 and 22 W.

Thence I run

West through scattering timber and dense undergrowth of arrow wood bet. Secs. 1 and 12.

32.12

Intersect left bank of Colorado River, Bank about 4 ft. high.

Set a willow post, 6 ins. sq., 4 ft long, 3 ft. long <sup>in the ground</sup> for Meander cor. of fractional Secs. 1 and 12, marked M. C. on W. face, T. 16 N., S 1 on N. face, R. 22 W. on E. face and S. 12 on S. face. Dig pits, 36 x 36 x 12 ins. 8 ft. E. of cor. Raised mound of earth, 4 ft. base 3 ft. high, E. of cor. No trees available.

Soil, sandy loam, first rate.

Land, level, subject to overflow, covered with scattering willow, and cottonwood timber, and with dense undergrowth of arrow wood, 32.12 chs.

January 14th, 1906.

chains

Meanders of the left bank of Colorado River, upstream.

I commenced at the Meander cor of fractional Secs. 7 and 12, on E. bdy. of Tp.

At this cor. January 14th, I set off 34° 43' N. on the lat. arc, 21° 21' S. on the decl. arc and at 10h.a.m.l.m.t., determine a true meridian with the Solar.

Thence I run with Meanders in Sec. 12  
Through scattering timber and dense undergrowth.

N. 64½° W.	6.20 chs.	
N. 50° W.	<del>12.00</del> "	14.00 chs.
N. 49½° W.	15.20 "	
N. 47½° W.	5.76 "	To Meander cor. fractional Secs. 1 and 12. River bank about 4 ft. high.

Soil, sandy loam; first rate.  
Land, level; subject to overflow, covered with scattering cottonwood and willow timber and dense undergrowth of arrow wood, 41.16 chs.

Thence in Sec. 1  
Through scattering timber and dense undergrowth.

N. 50½° W.	1.80 chs.	
N. 46½° W.	11.90 "	
N. 50½° W.	7.70 "	
N. 46½° W.	7.20 "	
N. 43½° W.	6.20 "	
N. 42½° W.	12.40 "	
N. 37½° W.	18.00 "	
N. 25° W.	3.50 "	
N. 10° W.	7.00 "	River bank 4 ft. high
North	12.00 "	
N. 5° E	7.90 "	
N. 48° E.	14.80 "	
N. 89° E.	13.20 "	
S. 50½° E.	11.30 "	
S. 49½° E.	2.60 "	River bank about 8 ft. high.
S. 55½° E.	2.90 "	
S. 83½° E.	17.10 "	
N. 89° E.	12.30 "	
N. 65½° E.	12.40 "	At 2.40 chs. Indiana shack bears S. 46½° E. 3 chs. dist. To Meander cor. on the 4th Standard Parallel bet. Secs 31 and 1.

Soil, sandy loam, first rate.  
Land, level, subject to overflow, covered with scattering mesquite, willow and cottonwood timber and dense undergrowth of arrow wood, 182.20 chs.  
This Township is liable to disappear entirely at the next high stage of the river, as the river is continuously cutting and wearing down the banks.

June 14, 1906  
*John J. Fisher*  
U. S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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(3)

LIST OF NAMES

BOOK 2131

A list of the names of the individuals employed by

*John J. Fishes*

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

*Subdivisional and Meander Lines T16 N R 22 W*

showing the respective capacities in which they acted:

- Henry R O'Connor* Chainman.
- Geo. W Cassidy* Chainman.
- Henry R O'Connor* Moundman.
- Geo. W Cassidy* Moundman.
- J. J. Murphy* Axman.
- J. W. Ricketts* Axman.
- Irving V. Angier* Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

*John J. Fishes*

United States Deputy Surveyor, in surveying all

those parts or portions of the

*Subdivisional and Meander Lines T16 N R 22 W*

*Salt River* meridian, *Teritory of Arizona* of the *Gila and*

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*

- Henry R O'Connor* Chainman. and Moundman
- Geo. W. Cassidy* Chainman. and Moundman.
- Moundman.
- Moundman.
- J. J. Murphy* Axman.
- J. W. Ricketts* Axman.
- Irving V. Angier* Flagman.

Subscribed and sworn to before me this *14<sup>th</sup>* day of *January*, 190*6*



*J. J. Fishes*  
Notary Public

My commission expires  
May 9, 1908

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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BOOK 2131

*John J. Fisher* United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from *Frank S. Ingalls* United States Surveyor General for *Arizona*, bearing date of the *14<sup>th</sup>* day of *March*, 1905, 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 *Subdivisional and Meander lines T16N R22W*

*Salt River* meridian, in the *Territory* of *Arizona*, of the *Gila and* 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.

*John J. Fisher*  
United States Deputy Surveyor.

Subscribed by said *J. J. Fisher*, and sworn to before me }  
this *1<sup>st</sup>* day of *February*, 1906

*Frank S. Ingalls*  
U. S. Surveyor General  
for Arizona.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

*Phoenix, Arizona, June 15<sup>th</sup>, 1906*

The foregoing field notes of the survey of *the subdivisional and meander lines of T16N R22W of the Gila and Salt River Base and Meridian, in the territory of Arizona*

executed by *John J. Fisher, U. S. deputy surveyor* under his contract No. *128*, dated *March 14<sup>th</sup> 1905*, ~~190~~, 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. 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.