

Book "B"

4-679.

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Ordered filed Sept. 16th 1897
accepted April 24 1897

2129

FIELD NOTES

BOOK 2129

2129

OF THE SURVEY OF THE

2129

*Subdivision and Meander lines
T 15 N R 21 W*

2129

Of the *Pala & Sub River* Meridian,

AS SURVEYED BY

John J. Fisher, United States Deputy Surveyor,

Under his Contract No. *128*, dated *March 14th*, 1895

Survey commenced *October 4th*, 1895

Survey completed *Oct. 5th*, 1895

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NAMES AND DUTIES OF ASSISTANTS.

Henry B O'Connor Summers

Geo. W. Cassidy Summers

Henry B O'Connor Moundman

Geo. W. Cassidy Moundman

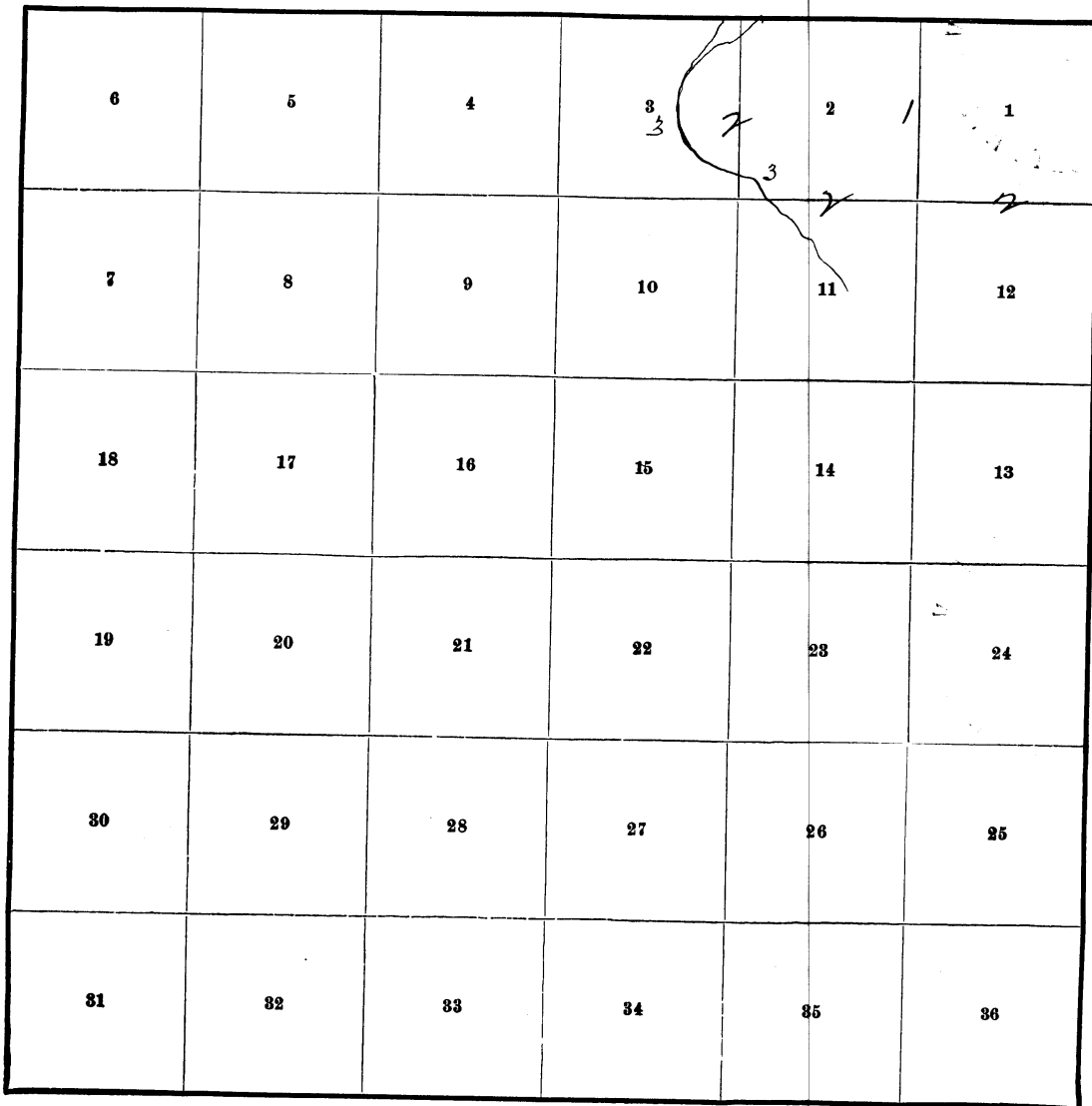
J. J. Murphy Axman

J. W. Richards Axman

Irving J. Aeger Hayesman

INDEX DIAGRAM.

Township 15 N., Range 21 W.



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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 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 Subdivisional and Meander lines T 15 N R 21 W

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

Subscribed and sworn to before me this 4th
day of October, 1895



My commission expires
May 9, 1898

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 T 15 N R 21 W

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

Subscribed and sworn to before me this 4th
day of October, 1895



My commission expires
May 9, 1898

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 T 15 N R 21 W

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

Subscribed and sworn to before me this 4th
day of October, 1895



My commission expires
May 9, 1898

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 & Meander lines T 15 N. R. 21 W

Irving V. Anger, Flagman.

Subscribed and sworn to before me this 4th
day of Oct., 1895



My commission expires
May 9, 1898

J. J. Fisher
Notary Public

Chains

Survey commenced October 4, 1905 and executed with a W & L.E. Gurley Light Mountain Transit, not numbered, with 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 latitude and declination arcs.

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

I examined the adjustments of the transit and corrected the level and 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 true meridian determined by observations on Polaris, I proceed as follows:-

At the corner of Sections 1, 2, 35 and 36, Tps. 15 and 16 N., R. 21 W. in lat. $34^{\circ}39'18''N$ in long. $114^{\circ}25'25''W$, I set off $34^{\circ}39'N$ on the lat. arc and $4^{\circ}20'S$ on the decl. arc and at 4h.30m.p.m.l.m.t. determined with the solar, a true meridian and mark a point thereof on the stone set April 17, 1905, 5 chains North of my corner, this point falls 0.25 ins. W. of the true meridian established by Polaris observation April 18, 1905.

October 4, 1905.

October 5, 1905.

At 7h. 30m.a.m.l.m.t. I set off $34^{\circ}39'N$ on the lat. arc and $4^{\circ}35'S$ on the decl. arc and determine a true meridian with the solar and mark a point thereof on the stone set April 17, 1905, 5 chains N. of corner Secs. 1, 2, 35, 36, this point falls 0.20 inches East of the true meridian established by Polaris observation April 17, 1905.

The solar apparatus by p.m. and a.m. observations defines position for true meridians respectively $0'13''W$. and $0'11''E$. of the meridian established by Polaris observation, therefore I conclude that the adjustments of the instrument are satisfactory.

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

Thence I run,
S. $0^{\circ}1'E$. between Secs. 1 and 2, over rough mountainous country,

- Ascend,
10.00 Cross summit of ridge, course NE. and SW.
Descend,
17.25 Cross gulch 25 lks. wide, course W.
Ascend,
30.00 Cross summit of ridge, course NE. and SW.
Descend,
37.00 Enter sand wash.
40.00 Set a granite stone 18x12x8 ins. $1\frac{1}{4}$ ins. in ground for $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on W. face, raised mound of stones 2 ft. base 1.5 ft. high W. of cor.
No trees, pits impracticable,
46.00 Leave sand wash, course NE. and SW.
Ascend,
65.00 Cross ridge, course E. and W.
Descend,
80.00 Set a lava stone 18x10x8 ins. $1\frac{1}{4}$ ins. in ground for cor. Secs. 1, 2, 11, 12, marked 5 grooves on S. and 1 groove on E. edges, raised mound of stones 2 ft. base, 1.5 ft. high W. of cor.
No trees, pits impracticable,

Chains

Soil rocky, granite formation, fourth rate,
Land rough mountaineous, cut up by deep gulches,
Mountaineous land 80.00 chs.

Thence I run,

- 40.00 East on a random line between Secs. 1 and 12,
Set temporary 1/4 Sec.cor.
- 79.97 Intersect Range line at ~~25~~ 24 lks.N.of cor.Secs. 1,6,7,12,
Thence I run,
N.89°50'W. on a true line between Secs. ~~1~~ and 12,
- 39.985 Set a lava stone 18x10x6 ins. 14 ins.in ground for 1/4
Sec.cor.marked 1/4 on N.face, raised mound of stones
2 ft.base 1.5 ft.high N.of cor.
- No trees, pits impracticable,
Descend,
- 54.00 Cross dry gulch, 200 lks.wide, course SW.
Ascend,
- 70.00 Cross summit of ridge, course N. and S.
Descend,
- 79.97 The cor.Secs. 1,2,11,12,
Soil rocky, granite formation, fourth rate,
Land broken mountaineous, 79.97 chs.

Thence I run,

- West between Secs.2 and 11, over rough broken country,
Descend,
- 9.15 Intersect left bank Colorado River which is a high per-
pendicular bluff 40 feet high,
Set a granite stone 20x8x5 ins. in monument of stone,
for meander cor.of frac.Secs. 2 and 11, marked M.C.
on W., and 5 grooves on S.faces, raised mound of
stones 2 ft.base, 1.5 ft.high E.of cor.
- No trees, pits impracticable,
Soil rocky, fourth rate, granite formation,
Land rough mountaineous,
Mountaineous land 9.15 chs.

At 12h.m.l.m.t. I set off ^{4°41'S.} 4°40'S.on the decl.arc and
observed the sun on the meridian at the true point
for cor.Secs.2,3,34,35, which is on a sand bar in
the bed of the Colorado River, the resulting lat.
being 34°39'N.,

- Thence I run,
S.0°1'E. between Secs. 2 and 3,
- 8.00 To a perpendicular bluff,
Ascend abruptly,
- 8.30 Top of bluff 30 ft.high,
Set a lava stone 18x10x8 ins. 14 ins.in ground for
meander cor.of frac.Secs.2 and 3, marked M.C.on N.
face, and 2 grooves on E.face, raised mound of
stones 2 ft.base 1.5 ft.high S.of cor.
- No trees, pits impracticable,
Cross road, course NE. and SW.
- 15.05 Cross Santa Fe Pacific R.R., course E. and W.
- 16.55 Cross telegraph line, course E. and W.
- 17.00 A point whence
Water Tank bears N.70°30'W. 2.50 chs.dist.
Depot at Mellen bears N.86°30'W. 5.00 chs.dist.
- 18.30 Descend,
- 25.00 Enter Valley, through dense Arrow-wood brush,
- 28.50 Intersect left bank of Colorado River, bank 20 ft.high,
Set a Willow post 4 ins.sq. 4 ft.long 3 ft.in ground
for meander cor.of frac.Secs.2 and 3, marked M.C.on
S., T.15 N. on N., R.21 W.S.2 on E. and S.3 on W.faces
of 20 chs between meander corners

Chains

Dig pit 36x36x12 ins. 8 ft. N. of cor., raised mound of earth 4 ft. base 2 ft. high N. of cor.
 No trees available,
 Soil sandy loam, 3.5 chs., first rate; 17 chs. rocky, fourth rate,
 Land level and mountaineous,
 Mountaineous land or land covered with dense undergrowth
 20.50 chs.
~~20.20~~

October 5, 1905.

This Township contains no other land of any value worthy of subdivision.

Meanders of T. 15 N., R. 21 West.

Meanders of left bank of Colorado River, up stream.

I commence at the meander cor. of frac. Secs. 2 and 11
 At this cor. October 5, I set off 34°38' N. on the lat. arc 4°42' S. on the decl. arc, and at 2h.p.m. l.m.t. determined a true meridian with the solar,
 Thence I run with meanders in Section 2, over high bluffs and broken country,

N.22°30'W.	31.10	Chs.	River bank 50 ft. high, descend,
N.34°W.	18.60	"	River bank 40 ft. high,
N.59°W.	10.00	"	River bank 20 ft. high,
N.49°W.	2.70	"	Enter valley dense undergrowth and scattering timber, river bank 10 ft. high,
N.89°30'W.	38.20	"	To mean. cor. of frac. Secs. 2 and 3, Soil sandy loam 38.20 chs., first rate; 62.40 chs. rocky, fourth rate, Land level and mountaineous, Mountaineous land or land covered with dense undergrowth 100.60 chs.

Thence in Section 3,
 Along foot of high bluffs, river bank about 10 ft. high,

S.86°15'W.	5.20	Chs.	
N.75°W.	4.00	"	
N.47°W.	5.10	"	
N.31°15'W.	3.80	"	Center E. end Santa Fe Pacific R.R. Bridge across Colorado River,
N.14°W.	7.70	"	
N.29°30'E.	2.40	"	
N.84°E.	5.70	"	
N.62°30'E.	7.30	"	
S.75°22'E.	3.57	"	To mean. cor. of frac. Secs. 2 and 3

Soil rocky, fourth rate,
 Land level, along river, high bluffs to E., 44.77 chs.

Thence in Section 2,

N.9°22'E. 8.41 Chs. To mean. cor. on Tp. line between Secs. 2 and 35.

Soil sandy loam, first rate, 8.00 chs. 0.41 chs. rocky
 Land level, covered with dense undergrowth, 8.00 chs;
 0.41 chs. rocky and hilly,

October 5, 1905.

GENERAL DESCRIPTION.

This Township contains very little land of any value, there being about 20 acres along the Colorado River in Section 2 of sandy loam, first rate, the remainder of Township is very rough and mountainous; there are a few scattering Mesquite trees in this section. The Rail-road station and Post Office at Mel- len is in Section 3, there being about three white fam- ilies living at this place; the buildings are one store, rail-road depot and freight house. There are no other settlers in the Township.

John J. Fisher
U. S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

J. J. Fisher

....., 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 T15N R21W*

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. Anger* Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

John J. Fisher

....., United States Deputy Surveyor, in surveying all those parts or portions of the *subdivisional and meander lines of T15N R21W*

Salt-River meridian, *Territory* of *Arizona* of the *Gila and Salt-River* meridians, 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*

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

Subscribed and sworn to before me this *14th* day of *January*, 1906

J. J. Fisher
Notary Public



My commission expires *Aug 01 1908*

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BOOK 2129 FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, 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 14th 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 Subdivisions and Meander lines T 15 N R 21 W

Salt River meridian, in the 4th Territory of Arizona, of the Gila and 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.

John J. Fisher
United States Deputy Surveyor.

Subscribed by said J. J. Fisher, and sworn to before me }
this 1st day of February 1906, 1899

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



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona June 15, 1899 1906
The foregoing field notes of the survey of The subdivisional lines of T 15 N R 21 W of the Gila and Salt River Base and Meridian, in the territory of Arizona

executed by J. J. Fisher, U. S. Deputy Surveyor under his contract No. 128, dated March 14, 1905, 1899, 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.