

2471
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BOOK 2471

Book A

Accepted & order filed G.L.O. letter "E" May 16, 1914.

FIELD NOTES

OF THE SURVEY OF THE

Tracts numbered one and two

granted to the town of Yuma by Act of Congress
approved August 22, 1912

Situated in sec. 35 of T16R.27E,

of the San Bernardino Meridian,

In the State of Arizona

EXECUTED BY

Ridney E. Blount

In the capacity of U. S. Surveyor, under instructions dated October 16, 1912,
issued by the United States Surveyor General to govern surveys included in
Group No. 73, which were approved by the Commissioner of the General Land
Office, October 24, 1912, pursuant to authority contained in the Act of
Congress dated August 22, 1912

Survey commenced December 12, 1912

Survey completed " 18, 1912

BOOK 2471

INDEX DIAGRAM.

Township _____, Range _____

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Survey of Tracts of Land granted to the Town of Yuma Arizona.

Chains Survey commenced December 12, 1912, and executed with a Young and Sons light mountain transit No. 10 with a solar attachment. The horizontal limb being 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. 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 observations, made during a.m., and p.m. hours with a meridian established by observations on Polaris I proceed as follows:

Near the southwest corner of block No. 5 of White's survey of the Town of Yuma Arizona; latitude $32^{\circ}42\frac{1}{2}'N.$, longitude $114^{\circ}37'W.$ I set off $32^{\circ}42\frac{1}{2}'N.$ on the lat. arc, $23^{\circ}05'S.$ on the decl. arc, and determine a meridian with the solar and mark a point thereof by a nail driven in a stake set in the ground 5.00 chs. N. of my instrument.

At $9^h 43^m$ p.m., l.m.t., by my watch, which is correct local mean time I observe Polaris in accordance with the Manual of Instructions and mark the direction thus determined by a nail driven in a stake set in the ground 5.00 chs. N. of my instrument,

Local mean time of Obs. Dec. 12.	$9^h 43^m$ P.M.
Time upper culmination of Polaris Dec. 12 for meridian of Greenwich, civil date and mean time	$8^h 03.8$ p.m.
Correction for local meridian subtract.	- 01.3
Time U.C. Polaris local meridian	<u>8 02.5</u> p.m.
To obtain hour angle of Polaris at Obs. subtract time of U.C. Polaris from time of observation.	
	$9^h 43^m$
	<u>8 02.5</u>
Hour angle of Polaris at Obs.	1 40.5
Azimuth of Polaris at Obs.	$0^{\circ}35.6' W.$

December 12, 1912.

December 13¹⁹¹² At 8 a.m., l.m.t. I lay off the azimuth of Polaris $0^{\circ}35.6'$ to the east and mark the meridian thus determined by a tack driven in the stake already set 5.00 chs. N. of my instrument on which the meridian falls 0.2 ins. east of the point determined by the solar.

At $8^h 54^m$ a.m., l.m.t. I set off $32^{\circ}42\frac{1}{2}'N.$ on the lat. arc, $23^{\circ}08'S.$ on the decl. arc and determine a meridian with the solar, and mark a point thereof by a tack driven in the stake already set 5.00 chs. N. of my instrument. This point falls 0.3 ins. east of the meridian established by the Polaris observation.

The solar apparatus by p.m., and a.m. observations, defines positions for meridians respectively about 0'11" west and 0'16" east of the meridian established by the Polaris observation, therefore I conclude that the adjustments of the instrument are satisfactory.

At $9^h 24^m$ a.m., l.m.t. I set off $32^{\circ}42\frac{1}{2}'N.$ on the lat. arc $23^{\circ}08\frac{1}{2}'S.$ on the decl. arc and determine a meridian with the solar at a cross on the cement walk at the southwest cor. of the block at the cor. of Madison Avenue and First street, which was shown me by the City engineer of Yuma, and reported to be directly above the old original block corner stake which was buried at the time the walk was constructed. Thence I run $S 86^{\circ}37' W.$ 70 ft. to the southeast cor. of block No. 5 and the west line of Madison Avenue., thence along the south line of block No. 5. and at 208.5 ft. intersect the southwest cor. of said block, which is a stake set in the ground on line of wire fence.

From the stake at the southwest cor. of block No. 5 I retrace the west boundary of blocks No. 4 and 5. and find the bearing

2. Survey of tracts of land granted to the Town of Yuma Arizona.

Feet as of this line, as defined, by the existing property lines and improvements, such as fences, and buildings constructed years ago to be north as shown on the plat.

I return to the southwest cor. of block No. 5. thence I run South and at 7.24 ft. intersect a pine post 8 ins. sq. 5 ft. above ground, and upon retracing the center line of First street as defined by the street monuments, I find that this post is set at the intersection of the north line of First street and the west line of blocks No. 4 and 5^{extended} and accept it as marking the southeast corner of the tract of land within the the exterior boundaries of sec. 35. T 16 S., R 22 E., San Bernardino Meridian in Arizona, and known as the United States Military Reservation.

December 13 and 14, 1912.

December 16¹⁹¹² At 8^h 56^m a.m., l.m.t. I set off $32^{\circ}42\frac{1}{2}'N.$ on the lat. arc, $23^{\circ}18'S.$ on the decl. arc and determine a meridian with the solar at a point on the east boundary of the United States Military reservation and the west boundary line of block No. 4, of the Town of Yuma Arizona, according to the White survey thereof, 208.71 ft. south from the left and south bank of the Colorado River, where I set a pine post 3 ft. long, 4 ins. square 24 ins. in the ground for cor. No. 1 of Tract No. 2, marked Tr. 2. Cor. 1 on NW. face and drive a nail full length in top for exact cor. point. Thence I run,
West,
150.00 Set a pine post 3 ft. long, 4 ins. sq. 24 ins. in the ground for cor. No. 2, marked Tr. 2. Cor. 2 on NE. face and drive a nail full length in top for exact cor. point.
Thence I run,
North,
240.91 Intersect the south and left bank of the Colorado River Set a pine post 3 ft. long, 4 ins. sq. 24 ins. in the ground for cor. No. 3, marked MC. on N. face., and Tr. 2 Cor. 3. on E. face., and drive a nail full length in top for exact cor. point.
Thence I run, with meanders of the left and south bank of the Colorado River
S $77^{\circ}53'E.$;
153.27 Intersect the east boundary line of the United States military reservation and west boundary line of block No. 4 at point 208.71 ft. due north of the place of beginning where I set a pine post 3 ft. long, 4 ins. sq. 24 ins. in the ground for cor. No. 4, marked MC. on N. face and Tr. 2 Cor. 4 on W. face.; Drive a nail full length in top for exact cor. point.
Thence I run,
South, on east boundary of tract, and west boundary of block No. 4
208.71 Intersect cor. No. 1., the place of beginning.

December 16, 1912.

Tract No. 1.

I find it impracticable to remove the post already set at the southeast cor. of the United State military reservation, in order to establish a post for cor. No. 1 of this tract at the exact cor. point, therefore at a point 3 ft. west of the true point for cor. No. 1. I set a pine post 3 ft. long, 4 ins. sq. 24 ins. in the ground for witness cor. to cor. No. 1., marked WC. Tr. 1 Cor. 1. on NW. face

Survey of tracts of land granted to the Town of Yuma Arizona. 3

Feet. and drive a nail full length in top for exact point for W.C.

December 17¹⁹¹² At 6^h 26.4^m a.m., l.m.t. I set off 32°42½' N. on the lat. arc, 23°19½' S. on the decl. arc, and determine a meridian with the solar at the post at the southeast cor. of the United States Military reservation.

Thence I run North, along the east boundary line of the reservation and the west boundary line of block No. 5

378.05 To the northwest cor. of said block. It being impracticable to establish a cor. at this point, At a point 3 ft. west I set a pine post 3 ft. long, 4 ins. sq. 24 ins. in the ground for witness cor. to cor. No. 2 of this tract., marked WC. Tr. 1 Cor. 2 on SW. face. and drive a nail full length in top for exact point for Witness Corner.

Then from true point for Cor. No. 2, I run West,

3.00 Witness Corner to Cor. No. 2, above described.

547.97 Set a pine post 3 ft. long, 4 ins. sq. 24 ins. in the ground for cor. No. 3., marked Tr. 1 Cor. 3 on SE. face., and drive a nail full length in top for exact cor. point.

Thence I run, South

128.05 Set a pine post 3 ft. long, 4 ins. sq. 24 ins. in the ground for cor. No. 4., marked Tr. 1 Cor. 4 on SE. face., and drive a nail full length in top for exact cor. point.

December 17, 1912.

December 17¹⁹¹² At cor. No. 3 I set off 23°21' S. on the decl. arc, and at noon observe the sun on the meridian and obtain a reading of 32°42' N. on the lat. arc.

December 18¹⁹¹² At 8^h 57^m a.m., l.m.t. I set off 32°42' N. on the lat arc, 23°22' S. on the decl. arc, and determine a meridian with the solar at cor. No. 4

Thence I run, West,

590.00 Set a pine post 3 ft. long 4 ins. sq. 24 ins. in the ground for cor. No. 5., marked TR. 1 Cor. 5 on SE. face., and drive a nail full length in top for exact cor. point.

Thence I run S 27°28½' W.

281.78 To the north line of First street in the town of Yuma Arizona.; Set a pine post 3 ft. long, 4 ins. sq. 24 ins. in the ground for cor. No. 6. marked Tr. 1 Cor. 6 on NE. face., and drive a nail full length in top for exact cor. point.

Thence I run East along the north line of First St.,

1264.97 To W. C. to S. E. cor. of Tract 1.

1267.97 To the post at the southeast cor. of the United States Military reservation, the place of beginning.

December 18, 1912.

Sidney E. Blout

FINAL OATH OF UNITED STATES SURVEYOR.

I, Sidney E. Blount, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona bearing date of the 16 day of October, 1912, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the two tracts of land within the exterior boundaries of sec. 35, T. 16 S., R. 22 E. San Bernardino Meridian in Arizona, known as the United States military reservation or Quartermasters depot reservation granted to the town of Yuma Arizona.

San Bernardino Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed 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 U. S. 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.

Sidney E. Blount
U. S. Surveyor.

Subscribed by said Sidney E. Blount, and sworn to before me }
this 23rd day of February, 1914

Frank S. Ingalls
SURVEYOR-GENERAL OF ARIZONA



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. April 9, 1914

The foregoing field notes of the survey of certain tracts within the United States military reservation or Quartermasters depot, in sec. 35 of T. 16 S., R. 22 E. San Bernardino Meridian in Arizona, granted to the town of Yuma by Act of Congress, approved August 22, 1912

executed by Sidney E. Blount U. S. Surveyor
under his special instructions dated October 16, 1912, 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
U. S. 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.