3722
Group No. 130
4-679
ARIZONA

ORIG

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BOOK 3722

FIELD NOTES

~~OF THE SURVEY OF THE~~

SEGREGATION SURVEY OF MOCCASIN SPRING

in

SEC. 31, TOWNSHIP 41 NORTH, Range 4 WEST

Of the Gila and Salt River Base and *Meridian,*

In the State of Arizona

EXECUTED BY

William E. Hiester

In the capacity of U. S. Surveyor, under Special Instructions dated May 1, *1924, issued by the United States Surveyor General to govern surveys included in Group No.* 130, Arizona, *which were approved by the Commissioner of the General Land Office,* May 8, *1924, and Assignment Instructions dated* Feb. 2, *19*25

Survey commenced February 24, *19*25

Survey completed February 25, *19*25

INDEX DIAGRAM.

Township ----------, *Range* ----------

6	5	4	3	2	1
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Segregation Survey of Moccasin Spring in

Sec. 31, T.41 N., R.4 W.

Survey commenced Feb. 24, 1925, and executed with Young and Sons light mountain transit No. 8534. The instrument is equipped with full vertical circle and the Smith solar attachment, and was approved by the Assistant Supervisor of Surveys, conditional upon satisfactory field tests.

I examine the adjustments of the instrument and correct all errors, then to test the solar apparatus by comparing its indications with a meridian determined from observation on Polaris, proceed as follows:

Feb. 24, 1925: At the Indian Agency in Sec. 5, T.40 N., R.4 W., G. & S.R.Base and Meridian, in latitude 36° 53½'N., longitude 112°45'W., of Greenwich, at 9h 12.5m p.m.,l.m.t., I observe Polaris at Western elongation, making four observations, two each with telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a stake driven firmly in the ground, 5 chs. N.

Azimuth of Polaris at western elongation= 1°22'14"

Feb. 25: I lay off the azimuth of Polaris 1°22' to the east, and mark the meridian thus determined by a tack in a stake driven firmly in the ground, 5 chs. N.

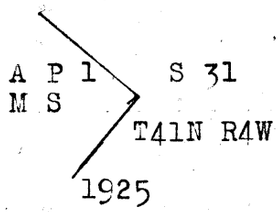
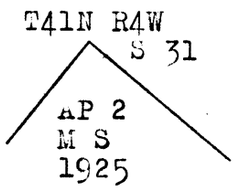
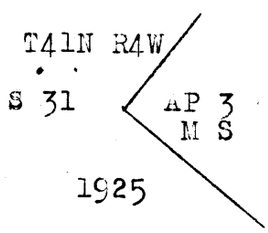
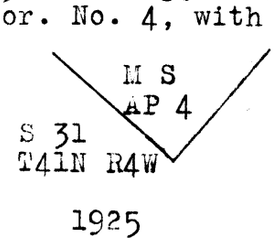
At 8h 0m a.m.,app.t., I set off 36°53½'N. on the latitude arc, 9°5'S. om the declination arc and determine a meridian with the solar which I find to agree with the true meridian.

At app. noon, with the latitude arc unchanged, I observe the sun on the meridian, the resulting reading of the declination arc is 9°2½'S., which agrees with the computed declination of the sun.

From this test, I conclude that the adjustments of the instrument are satisfactory.

Segregation Survey of Moccasin Spring

in Sec.31, T.41 N.,R.4 W.

Chains	
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for cor. No. 1, with brass cap marked  From this cor., the ¼ sec. cor. of secs. 31 and 32, bears N.87°10'E., 24.60 chs. Thence from A.P,1, N.49°45'W., on NE. side of tract.
3.03	Center of Moccasin Spring, bears S.40°15'W., 3.03 chs. dist.
6.06	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for cor. No. 2, with brass cap marked  Thence S.40°15'W., on NW. side of tract.
3.03	Center of Moccasin Spring, bears S.49°45'E., 3.03 chs. dist.
5.44	Fence, bears NE. and SW.
6.06	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for cor. No. 3, with brass cap marked  Thence S.49°45'E., on SW. side of tract.
3.03	Center of Moccasin Spring, bears N.40°15'E., 3.03 chs. dist.
6.06	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground for cor. No. 4, with brass cap marked  Thence N.40°15'E., on SE. side of tract.
2.03 2.88	Fence, bears SE. and NW. Ditch, 2 ft. deep, 2 ft. wide, with stream, 6 ins. deep, course SE. This is the outlet of Moccasin Spring.

Segregation Survey of Moccasin Spring

in Sec. 31, T.41 N.,R.4 W.

Chains	
3.03	The center of Moccasin Spring, bears N.49°45'W., 3.03 chs. dist.
6.06	Cor. No. 1, the place of beginning.

The Spring heretofore referred to as Moccasin Spring is the upper one of the two springs. The two springs appear to be about the same size, but the upper one was said by the Indian Agent to be the main one. The Spring is situated in a small reservoir about 4 ft. deep and is about 18 lks. S. of the north bank, 15 lks. E. of the northwest bank and 62 lks. W. of the E. bank of the reservoir. The lower spring is about 20 lks. SE. of the upper or main spring.

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FIELD ASSISTANTS.

to

William E. Hiester, U. S. Surveyor,

NAMES.	CAPACITY.
Ray Mc Creary	1st Chainman.
Guy Semple	2nd Chainman.

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CERTIFICATE OF UNITED STATES SURVEYOR.

I, William E. Hiester, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 130, Arizona, bearing date of the first day of May, 1924, 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 Moccasin Spring Tract segregating same from Section 31, Township 41 North, Range 4 West,

of the Gila & Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and 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 Group 130, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Date: April 3 1925 William E Hiester
U. S. Surveyor.

Place: St. George Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, April 6, 1925

The foregoing field notes of the survey of the Moccasin Spring Tract, segregating same from Section 31, Township 41 North, Range 4 West, G. & S. R. B. & M., in the State of Arizona

executed by William E. Hiester, U. S. Surveyor,

under his special instructions dated May 1, 1924, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Charles M. Douglas
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.~~

~~U. S. Surveyor General.~~

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