4294

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FIELD NOTES

BOOK 4294

OF THE

Resurvey of a Portion of the Section Boundaries

And

Subdivision of Section 26,

Township 3 North, Range 3 East,

4294

Of the Gila and Salt River *Meridian,*

In the State of Arizona

EXECUTED BY

F. Wayne Forrest, Assistant Cadastral Engineer

General Land Office

Under special instructions dated February 16, *19*43, *which provided for the surveys included under Group No.* 240, *bearing the approval of the Commissioner of the General Land Office under date of* February 25, 1943. *and assignment instructions dated* April 20, *19*43.

Survey commenced April 26, *19*43.

Survey completed April 27, *19*43.

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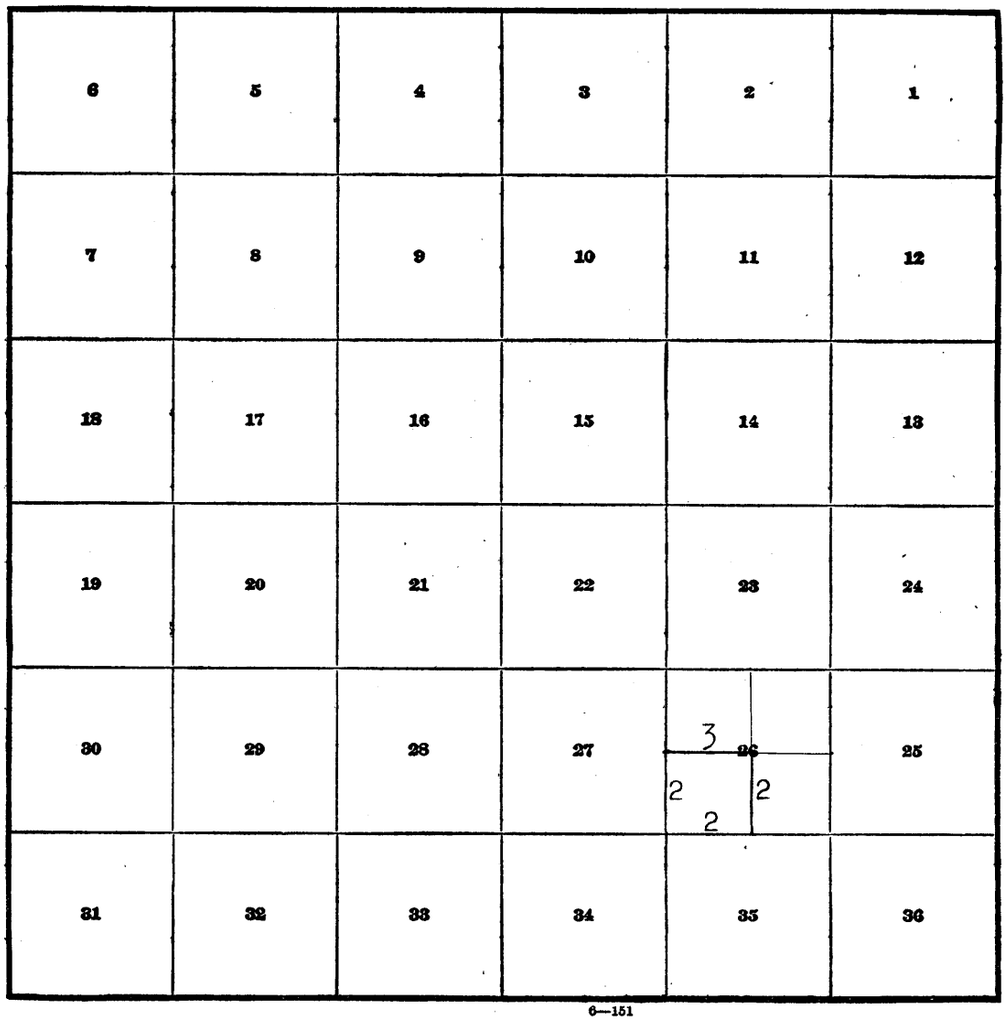
INDEX DIAGRAM.

Township 3 North, *Range* 3 East



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Resurvey of a Portion of the Boundaries of Section 26, T. 3 N., R. 3 E.

The surveys and resurveys herein described were executed with Buff solar transit No. 9223. The instrument complies with the standard specifications of the General Land Office and was placed in satisfactory adjustment prior to the beginning of the survey and was approved by the district cadastral engineer on April 20, 1943.

The directions of the lines were determined by the solar transit method. The measurements were made with a Lallie steel tape, 5 chs. in length, graduated every link for the first 100 links and the balance at intervals of 10 links. The tape was tested by comparison with a Lufkin standard and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained with a clinometer in good adjustment; the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions give the geographic position of a point near the center of sec. 26, T. 3 N., R. 3 E. as follows: latitude 33° 34' N., and longitude 112° 02' W.

April 25, 1943, in camp near the center of sec. 26, T. 3 N., R. 3 E., latitude & longitude as above, I observe Polaris at eastern elongation, at 5h 35.6m, a.m., l.m.t., making two observations each with the telescope in direct and reversed positions, and place a tack at the mean point on a peg, driven firmly in the ground, 10 chs. to the N.

After sunrise I lay off the azimuth of Polaris, 1° 12' 30", to the west, and mark the meridian thus determined by a tack in a peg, driven firmly in the ground, 10 chs. to the N.

April 25, 1943, at the same station, I make a noon observation of the sun for latitude, first setting on the sun's lower limb and noting the transit of the west limb, then, after reversal of the instrument, setting on the upper limb and noting the transit of the east limb.

Mean observed altitude------69° 31' 10".
Reduced latitude------------33° 34' 25" N.

April 25, 1943, every 30 min. from 7:30 to 10:30 a.m., and 1:30 to 5 p.m., I make the proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a maximum error of less than 1' 30"

I repeat the tests of the arcs daily by noon observations and verify the meridional indications at frequent intervals throughout the survey.

The bdys. of sec. 26, T. 3 N., R. 3 E. were surveyed by J. H. Martineau, Deputy Surveyor, in 1893, and resurveyed by Francis E. Joy, U. S. Cadastral Engineer, in 1933. The following field notes describe a resurvey of the S. ½ of the W. bdy., and the W. ½ of the S. bdy.; and a survey of subdivision of sec. lines of sec. 26, T. 3 N., R. 3 E.

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Resurvey of a Portion of the Boundaries of Section 26, T. 3 N., R. 3 E.

Chains	
	From the ¼ cor. of secs. 26 & 27; an iron post, 1 in. diam., set, mkd. & witnessed as described in the official record.
	S. 0° 39' W., on true line bet. secs. 26 & 27.
20.065	Proportional distance.
	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, with a stone 5x3x2 ins., mkd. X, deposited at the base, and in a mound of stone, 3 ft. base, 1½ ft. high, for S. 1/16 cor., with brass cap mkd.
	S 1/16 S 27 | S 26 1943
40.13	The cor. of secs. 26, 27, 34,& 35; an iron post, 2 ins. diam., set, mkd., & witnessed as described in the official record.

	S. 88° 52' E., on true line bet. secs. 26 & 35.
22.15	Proportional distance.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground to bedrock, and in a mound of stone to top, for W. 1/16 cor., with brass cap mkd.
	W 1/16 S 26 / S 35 1943
	raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
44.30	The ¼ sec. cor. of secs. 26 & 35; an iron post, 1 in. diam., set, mkd., & witnessed as described in the official record.

	Subdivision-of-Section Lines of Sec. 26, T. 3 N., R. 3 E.

	From the ¼ sec. cor. of secs. 26 & 35.
	N . 1° 28' W., on N.-S. center line of sec. 26.
21.22	Proportional distance.
	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock, with a stone, 4x3x3 ins., mkd. X, deposited at the base, and in a mound of stone, 3 ft. base, to top, for S. center 1/16 cor., with brass cap mkd.
	C S 1/16 | S 26 C 1943

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Subdivision-of-Section Lines of Sec. 26, T. 3 N., R. 3 E.

Chains	
31.48	Intersect line 3-4 of Mercury Mining Claim. (A metes-and-bounds survey of land classified as mineral bearing.) From point of intersection cor. No. 3 bears N. 42° 57' E., 10.86 chs. dist.; an iron post, 1 in. diam., mkd., set, and witnessed as described in the official record.
	From the same point cor. No. 4 bears S. 42° 57' W., 11.86 chs. dist.; an iron post, 1 in. diam., set, mkd., and witnessed as described in the official record.
42.44	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for center ¼ sec. cor. of sec. 26, with brass cap mkd. C ¼ S 26 1943 raise a mound of stone, 3½ ft. base, 2 ft. high, W. of cor.
	From the center ¼ sec. cor. of sec. 26 the ¼ sec. cor. of secs. 25 & 26 bears N. 88° 02' E., 39.73 chs. dist.; an iron post, 1 in. diam., set, mkd., and witnessed as described in the official record.
	From the same point the ¼ sec. cor. of secs. 23 & 26 bears N. 1° 28' W., 40.53 chs. dist.; an iron post, 1 in. diam., set, mkd., and witnessed as described in the official record.
	From the center ¼ sec. cor. of sec. 26.
	S. 88° 02' W., on E.-W. center line of sec. 26.
1.82	Intersect line 1-2 of Mercury Mining Claim
	From point of intersection cor. No. 1 bears S. 42° 32' W., 16.88 chs. dist.; an iron post, 1 in. diam., set, mkd., and witnessed as described in the official record.
	From the same point cor. No. 2 bears N. 42° 32' E., 5.86 chs. dist.; an iron post, 1 in. diam., set, mkd., and witnessed as described in the official record.
21.38	Proportional distance.
	Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to bedrock, with a stone, 4x3x3 ins., mkd. X, deposited at the base, and in a mound of stone, 3½ ft. base, to top, for center W. 1/16 cor. of sec. 26, with brass cap mkd. W 1/16 C——C S 26 1943
42.76	The ¼ sec. cor. of secs. 26 & 27.

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Subdivision-of-Section Lines of Sec. 26, T. 3 N., R. 3 E.

Chains	
	Final Test of Solar Attachment.
	April 27, 1943, in camp near the center of sec. 26, T. 3 N., R. 3 E., on the meridian hereinbefore described, bet. the hours of 7:30 to 10:30 a.m., and 1:30 to 5 p.m., I make the proper settings on the arcs of the solar attachment; the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a maximum error of less than 1' 30".

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4-680
(Revised May 1934)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FIELD ASSISTANTS

NAMES	CAPACITY
Theodore Cole	Principal Assistant
Ralph L. Lee	Truck Driver
Gladwyn Gregory	Chainman

6—8412

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CERTIFICATE OF SURVEYOR

I, F. Wayne Forrest, Assistant Cadastral Engineer, General Land Office, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of February, 1943, ..., received from the district cadastral engineer for Arizona, with assignment instructions dated April 20, 1943, I have ~~surveyed~~ resurveyed a portion of the section boundaries and surveyed subdivision-of-section lines of sec. 26, Township 3 North, Range 3 East,

of the Gila and Salt River 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 said resurvey and survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Glendale, California.

June 4, 1943.

F. Wayne Forrest

Assistant Cadastral Engineer

General Land Office

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,

Denver, Colorado, August 9, 1944.

The foregoing field notes of the ~~survey of~~ resurvey of a portion of the section boundaries and survey of subdivision-of-section lines of section 26 Township 3 North, Range 3 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by F. Wayne Forrest, Assistant Cadastral Engineer, General Land Office, under special instructions dated February 16, 1943, and assignment instructions dated April 20, 1943, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

Supervisor of Surveys.

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in T. 3N., R2E. G.&S.R.M., Ariz., is a true copy of the original field notes on file in the public survey office.~~

Supervisor of Surveys.

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