

2890

4-679

Book "0"
(Subdivisions)

BOOK 2890

FIELD NOTES

OF THE SURVEY OF THE

COMPLETION OF THE SUBDIVISION OF

TOWNSHIP 19 NORTH, RANGE 19 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Hugo Price

U. S. Transitman,

~~In the capacity of U. S. Surveyor~~, under instructions dated January 4, 1915;
issued by the United States Surveyor General to govern surveys included in
Group No. 43, which were approved by the Commissioner of the General Land
Office, January 22, 1915.

Survey commenced December 8, 1915

Survey completed December 8, 1915.
Executed under assignment
Instructions dated Nov. 29, 1915.

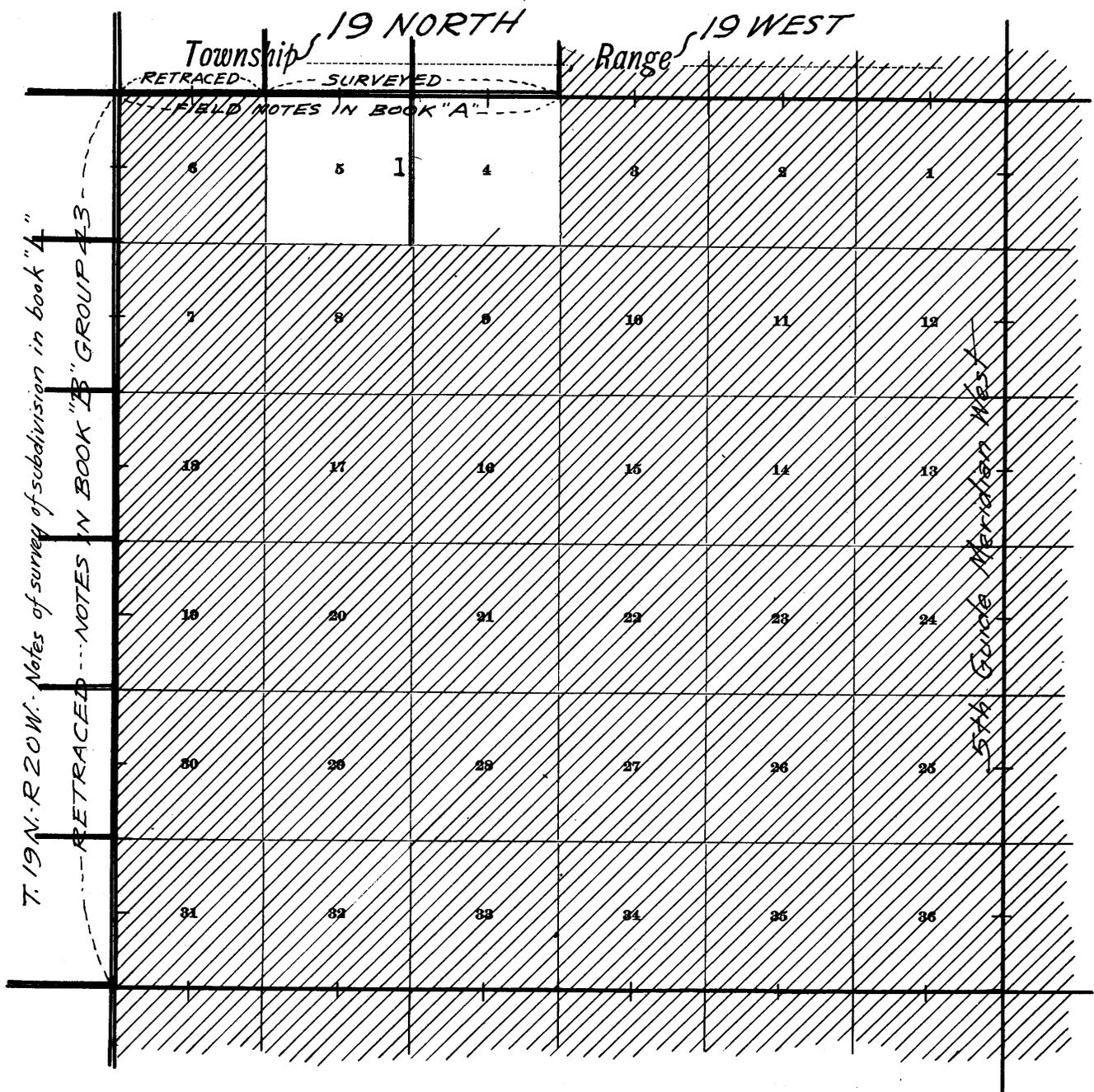
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1A

BOOK 2890 Book "O" Group 43

INDEX DIAGRAM.



———— Surveys described in field notes of Group 43.

———— Accepted, surveyed lines

////// Shaded area surveyed as per accepted plats on file.

Completion of the Subdivision of Township 19 N., R. 19 W., 1.

Chains.

Survey commenced Dec. 8, 1915, and executed by Hugo Price, U.S. Transitman, with Young and Sons' light mountain transit No. 8539. The instrument is provided with Smith solar attachments, and was approved by the Assistant Supervisor of Surveys for Arizona and California on Jan. 31, 1915. For field test of instruments on a meridian determined by Polaris observation, see notes of Subdivision of T. 20 N., R. 19 W., in Book "N."

At old cor. of secs. 4, 5, 8 and 9, which is a granite stone, 13x11x6 ins. above ground, marked and witnessed as described by the Surveyor General, at 9h.0m., a.m., l.m.t., set off 22° 37½' S. on the decl. arc; 35° 3½' N. on the lat. arc; and determine a meridian with the solar.

Thence I run,

N. 0° 4' W., on a random line, bet. secs. 4 and 5.

40.00 Set temp. ¼ sec. cor.

42.27 Discontinue chaining on random line at this point on account of canyon and cliffs to the N., and obtain measurement of the remainder of line by triangulation, as follows:

Set a flag on N. bdy. of Tp. at N. 0° 4' W. from triangulation point.

From triangulation point I lay off a base S. 75° 46' E., 18.18 chs.

From SE. end of base flag brs. N. 22° 5' W.

Included angles are 104° 18', 53° 41' and 22° 1' .., the sum of which is 180° 00'.

Therefore dist. on random line from triangulation point to flag on N. bdy. of Tp. is obtained by

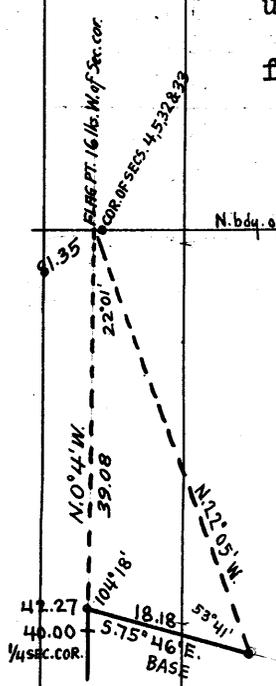
$$\frac{\text{sine } 53^{\circ} 41' \times \text{base}}{\text{sine } 22^{\circ} 1'} \text{ or } \frac{.80576 \times 18.18}{.37488} = 39.08 \text{ chs.}$$

42.27 chs. + 39.08 chs. =

81.35 Flag point on N. bdy. of Tp., 16 lks. S. 89° 41' W. of the cor. of secs. 4, 5, 32 and 33, described in Book "A."

Thence I run,

S. 0° 3' W., on a true line, bet. secs. 4 and 5.



2. Completion of Subdivision of Township 19 N., R. 19 W.

Chains, Measurement by triangulation hereinbefore described.
 Over rough, mountainous land; descend.
 15.00 (Approximate dist.) canyon, 400 ft. deep, course SE.; ascend.
 39.08 Triangulation point. Top of ridge, bears NW. and SE., 450 ft. above sec. cor.
 Thence chaining measurement
 41.35 Set an iron post 3 ft. long, 1 in. in diam., on surface rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., with a brass cap, marked

$$\begin{array}{c} \frac{1}{4} \text{ S } 5 \text{ | } \text{ S } 4 \\ 1915 \end{array}$$

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Descend.
 81.35 Cor. of secs. 4, 5, 8 and 9, 1000 ft. below top of ridge. Land, rough and mountainous.
 Soil, stony, 4th rate.
 Undergrowth, cacti, catclaw and greasewood.
 Scant growth of grass. No timber.

December 8, 1915.
Hugo Price, U.S. Transitman.

Dist. from ... north ... feet.
... and ...

Also ...

Boundaries of Township 19 North, Range 19 West
 Latitudes, departures, and closing errors.

Lines designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South bdy. of Tp.	West,	479.00				479.00
West bdy. of Tp.	N. 0° 4' E.	39.09	39.09		.04	
	N. 0° 17' E.	40.79	40.79		.20	
	N. 0° 16' W.	39.54	39.54			.18
	N. 0° 20' W.	40.26	40.26			.23
	N. 0° 21' W.	40.37	40.37			.25
	N. 0° 20' W.	39.76	39.76			.23
	N. 0° 10' E.	40.40	40.40		.12	
	N. 0° 4' E.	39.74	39.74		.05	
	N. 0° 3' W.	40.04	40.04			.03
	N. 0° 9' E.	39.93	39.93		.10	
	N. 0° 4' W.	39.96	39.96			.05
	N. 0° 14' E.	41.04	41.04		.17	
North bdy. of Tp.	N. 89° 33' E.	38.31	.30		38.31	
	S. 89° 19' E.	39.96		.48	39.96	
	N. 89° 41' E.	160.36	.89		160.36	
	East,	240.00			240.00	
East bdy. of Tp. (5th. Guide Mer. West)	S. 0° 9' E.	81.12		81.12	.21	
	S. 0° 13' E.	80.00		80.00	.30	
	S. 0° 9' E.	80.00		80.00	.21	
	S. 0° 6' E.	160.20		160.20	.28	
	S. 0° 3' E.	80.10		80.10	.07	
Convergency,					.51	
<u>Totals.</u>			482.11	481.90	480.89	479.97
			481.90		479.97	
<u>Error in latitude.</u>			0.21			
<u>Error in departure.</u>					0.92	

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For Certificate of United States Transitman
See Book "C" of this Group.

FINAL OATH OF UNITED STATES SURVEYOR.

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191____, 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 _____

_____ of the _____ 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 _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, *February 26*, 1917.

The foregoing field notes of the survey of the completion of Subdivision (line bet. secs. 4 and 5) of Township 19 North, Range 19 West, of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by Hugo Price, U. S. Transitman, under special instructions dated January 4, 1915, for Group 43, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General
of Arizona.

~~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.~~