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Book "J"

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BOOK 3756

BOOK 3756

# FIELD NOTES

OF THE SURVEY OF THE

Part of the Subdivision lines of P. M. M., U. S. G.

Township 40 North, Range 3 East

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

William E Hiester, U.S. Surveyor

In the capacity of U. S. Surveyor, under Special Instructions dated January 4, 1924 issued by the United States Surveyor General to govern surveys included in Group No. 126 Arizona, which were approved by the Commissioner of the General Land Office, March 12, 1924, and Assignment Instructions dated October 26, 1925

Survey commenced February 25, 1926

Survey completed February 26, 1926

3756

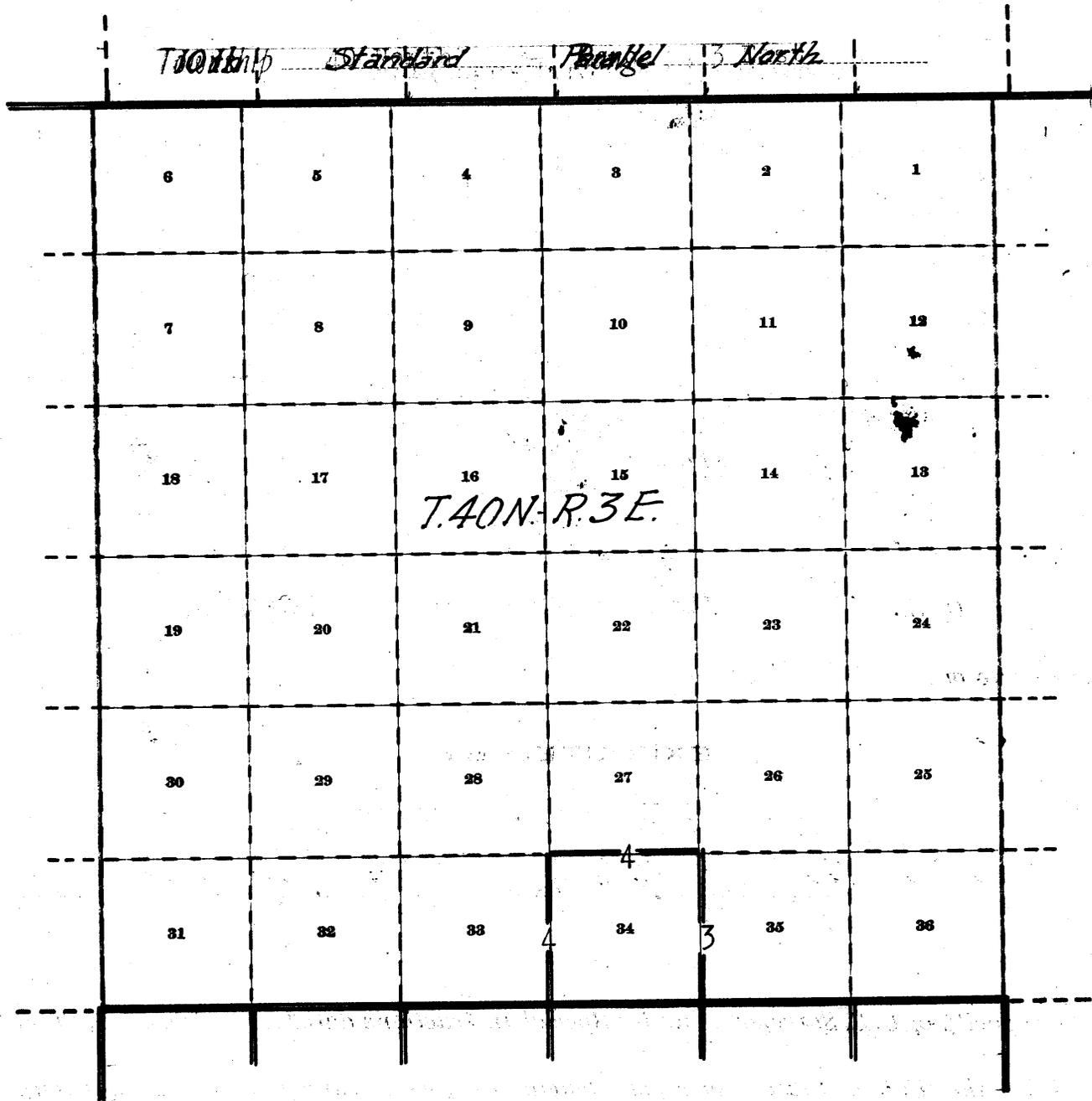
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Book "E"

Group 126 - Arizona

BOOK 3756

INDEX DIAGRAM.



————— Surveyed under this group.

————— Surveyed under current group No. 139.

----- Unsurveyed.

BOOK 3756

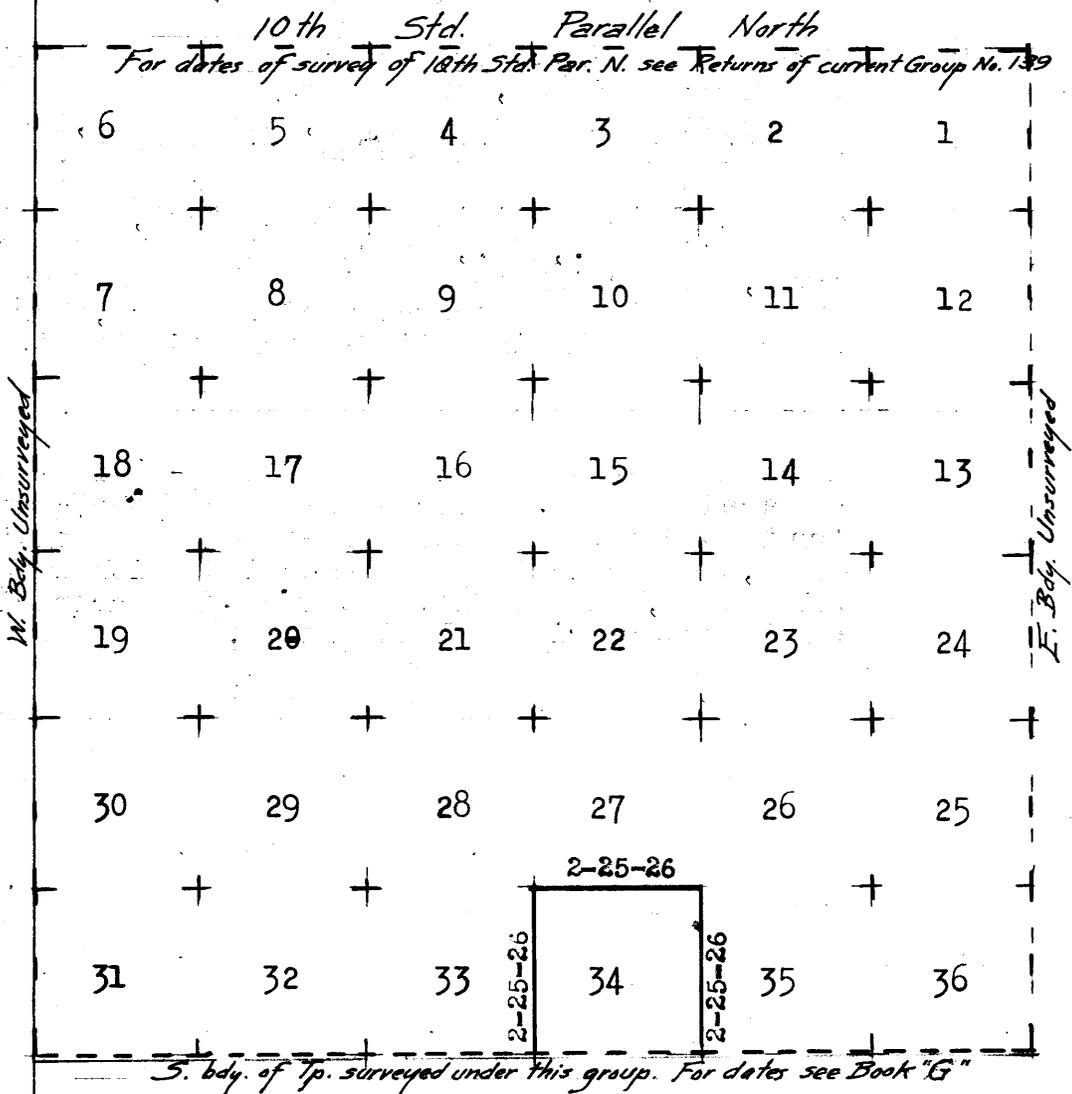
Book "J"

Group 126 Arizona

Township 40 North., Range 3 East.

DATE DIAGRAM

1926



W. Bdy. Unsurveyed

E. Bdy. Unsurveyed

2-25-26  
2-25-26  
2-25-26

Indicates lines surveyed by William E Hiester, U.S. Surveyor, on dates shown thereon.

The surveys hereinafter described were commenced on February 25, 1926, and executed on dates shown on the diagram on page 1 hereof, by William E Hiester, U.S. Surveyor, using a Buff "Rocky Mountain Favorite" solar transit with U-shaped standards,  $4\frac{1}{2}$  inch horizontal circle, 4 inch vertical circle, and improved 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; unless otherwise specified all azimuth determinations are accomplished with the solar attachment, except the special observations on Polaris for meridian, upon which to test the solar apparatus.

The instrument was examined, tested on the true meridian at Denver Colorado, found correct and was approved by the Supervisor of Surveys, December 29, 1925., conditional upon satisfactory field tests.

The recent complete preliminary field test, preceding the survey of T39N., R3E., described in Book "G" of this group, and partial tests which were made from time to time during the progress of the work, show the instrument to be in satisfactory adjustment.

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All measurements are made with a Lufkin 5-chain steel tape compared with a Chesterman standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined with a clinometer, and the slope measurements properly reduced to true horizontal distances.

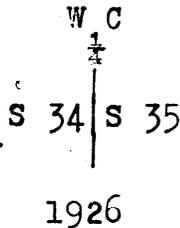
Survey of part of the Subdivision lines of T.40 N.,R.3 E.

Chains

From the cor. of secs.2,3,34, and 35 on S.bdy.of Tp. established under this Group and described in Book "G".

N. 0°01'W., bet. secs.34 and 35.  
Over rolling sandy land, slopes N. through scattering cedar and pinion timber.

39.25 Set an iron post 3 ft. long, 1 in. in diam. 30 ins. in the ground for witness cor. to the  $\frac{1}{4}$  sec. cor. marked on brass cap



from which,

A pinion 10 ins. in diam. bears S76 $\frac{1}{4}$ °E. 17 lks. dist., marked WC.  $\frac{1}{4}$  S35 BT.

A pinion 10 ins. in diam. bears N74 $\frac{1}{2}$ °W. 75 lks. dist., marked WC  $\frac{1}{4}$  S34 BT.

40.00 The true point for  $\frac{1}{4}$  sec. cor. falls on face of inaccessible cliff. WC established on sec. line 75 lks. S0°01'E. of true point as described.

41.65 Top of perpendicular cliff 20 ft. high bears NE. and SW.

43.60 Sand wash 40 lks. wide, course SW.

44.98 A point from which, "Two-Mile" spring within fenced enclosure 2-chs. sq. bears S33 $\frac{1}{2}$ °W. 10.24 chs. dist.; Stream of pure water 10 ins. wide 1 in. deep flows SW. from spring.

A spring in tunnel 4x5x50 ft. bears S9°38'W. 21.83 chs. dist.

A spring in tunnel 4x5x50 ft. bears S8°08'W. 26.42 chs. dist.

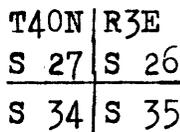
A seep spring in bottom of draw bears S14°22'W. 28.92 chs. dist.

The SE. cor. of wire fence, bears S22°40'W. 29.74 chs. dist. fence bears N. about 20.00 chs. dist. and W. about 30.00 chs. dist.

A stone house bears S44°03 $\frac{1}{2}$ 'W. 29.19 chs. dist.

The SE. cor. of corral 3-chs. sq. enclosing reservoir, bears S50°06'W. 32.71 chs. dist.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 30 ins. in the ground for cor. of secs. 26, 27, 34, and 35. marked on brass cap



1926

from which,

A cedar 36 ins. in diam. bears N84°E. 85 lks. dist., marked T40N., R3E., S26 BT.

A pinion 24 ins. in diam. bears S77 $\frac{1}{2}$ °E. 37 lks. dist., marked T40N., R3E., S35 BT.

A cedar 12 ins. in diam. bears S52 $\frac{1}{2}$ °W. 48 lks. dist., marked T40N., R3E., S34 BT.

A cedar 36 ins. in diam. bears N36°W. 313 lks. dist., marked T40N., R3E., S27 BT.

Survey of part of the Subdivision lines of T.40 N., R.3 E.

Chains	<p>Land, rolling. Soil, sandy 4 th. rate. Timber, cedar and pinion. Undergrowth, oak, sage, and rabbit brush.</p>						
40.00	<p>From the cor. of secs. 3, 4, 33, and 34, on S. bdy. of Tp. established under this Group and described in Book "G"</p> <p>Thence N. 0° 02' W., bet. secs. 33 and 34. Over rolling sandy land, through sagebrush undergrowth. Set an iron post 3 ft. long, 1 in. in diam. 28 ins. in the ground for <math>\frac{1}{4}</math> sec. cor. marked on brass cap</p> <div style="text-align: center;"> <math>\frac{1}{4}</math>              S 33   S 34              .1926         </div>						
80.00	<p>Raise a mound of stone 4 ft. base 3 ft. high W. of cor. Set an iron post 3 ft. long, 2 ins. in diam. 28 ins. in the ground for cor. of secs. 27, 28, 33, and 34. marked on brass cap</p> <div style="text-align: center;"> <table border="1"> <tr> <td>T40N</td> <td>R3E</td> </tr> <tr> <td>S 28</td> <td>S 27</td> </tr> <tr> <td>S 33</td> <td>S 34</td> </tr> </table> <p>1926</p> </div> <p>from which,</p> <p>A cedar 10 ins. in diam. bears N 54<math>\frac{1}{4}</math>° W. 408 lks. dist., marked T40N., R3E., S28 BT. No other bearing trees within limits.; Raise a mound of stone 4 ft. base 3 ft. high W. of cor. A gate at NE. cor. of wire fence bears S 57° E.</p> <p>Land, rolling. Soil, sandy 4 th. rate. Timber, none. Undergrowth, sagebrush.</p>	T40N	R3E	S 28	S 27	S 33	S 34
T40N	R3E						
S 28	S 27						
S 33	S 34						
40.00 79.96	<p>N 89° 57' E. on a random line bet. secs. 27 and 34. Set temp. <math>\frac{1}{4}</math> sec. cor. Intersect N. and S. line 2<math>\frac{1}{2}</math> lks. S. of the cor. of secs. 26, 27, 34, and 35.</p> <p>Thence S 89° 56' W. on true line bet. secs. 27 and 34. Descend 155 ft. over SW. slope over broken hilly land, through scattering cedar and pinion timber.</p>						
16.70	<p>Sand wash 20 lks. wide 4 ft. deep, course SW.</p>						
34.40	<p>Ascend 14 ft. over SE. slope. Top of sandstone ledge bears N. and S.</p>						
35.60	<p>Descend 27 ft. Sand wash 10 lks. wide 4 ft. deep, course SW.</p>						

Survey of part of the Subdivision lines of T.40 N., R.3 E.

Chains  
 39.98 Leave broken hilly land bears NE. and SW.; enter rolling land.  
 Set an iron post 3 ft. long, 1 in. in diam. 30 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked on brass cap

$\frac{1}{4}$  S 27  
 S 34  
 1926

from which,

A pinion 14 ins. in diam. bears N78 $\frac{1}{4}$ °E. 214 lks. dist., marked  $\frac{1}{4}$  S27 BT.  
 A pinion 8 ins. in diam. bears S34 $\frac{1}{4}$ °E. 177 lks. dist., marked  $\frac{1}{4}$  S34 BT.  
 Leave timber bears N. and S.

42.60 Road to Lee's Ferry bears NE. and SW.  
 50.20 Sand wash 10 lks. wide 5 ft. deep, course SW.  
 51.10 Sand wash 25 lks. wide 8 ft. deep, course SW.  
 51.80 Road from Fredonia Ariz. to Lee's Ferry, bears N. and S.  
 56.00 Branch of same road from Fredonia to Lee's Ferry bears N. and S.

64.80 Forest Service sign board bears S. 10 lks. dist.  
 79.96 The cor. of secs. 27, 28, 33, and 34.

Land, hilly and rolling.  
 Soil, sandy 4 th. rate.  
 Timber, cedar and pinion.  
 Undergrowth, sagebrush.

FINAL FIELD TEST OF BUFF TRANSIT NO. 9208.

The satisfactory adjustment of the instrument at the completion of the survey of this township is shown by the final field tests of the instrument, made February 28, 1926 at the completion of the survey of T39N., R3E. and described in BOOK "G".

Latitudes, Departures, and closing errors of Subdivisional area in T40N., R3E., surveyed under this Group.

Line Designated	True course	Dist.	Latitudes		Departures	
			N.	S.	E.	W.
		Chs.	Chs.	Chs.	Chs.	Chs.
South boundary	S89°57'W.	80.00		.07		80.00
Subdivisional bdy.	N0°02'W	80.00	80.00			.05
	N89°56'E.	79.96	.09		79.96	
	S0°01'E.	80.00		80.00	.02	
Convergency					.02	
<u>Totals-----</u>			80.09	80.07	80.00	80.05
			80.07			80.00
<u>Error in Lat.</u>			0.02		0.05	
<u>Error in Dep.</u>						

GENERAL DESCRIPTION

The land in the eastern part of sec. 34, surveyed under this Group is rough and hilly and the western part which lies in House Rock Valley is almost level. The soil over the entire section is exceptionally sandy, 4th. rate in character, and unfit for agricultural purposes.

The eastern or hilly portion of the section supports a scattering growth of cedar and pinion timber, while the western part supports only sagebrush undergrowth and a scant growth of grass.

Four springs located in the southeast quarter, the largest of which is known as "Two-Mile" spring, furnishes the only water found in the section.

A stone house located in the southeastern part of the section is the only habitation on the land. This house and adjacent improvements in the nature of stock corrals and a reservoir for impounding the water from the four springs mentioned above is the property of the Arizona Cattle Company, engaged in stock raising in this section of the State.

No mineral or valuable stone deposits were found in this section.



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 126, Arizona, bearing date of the fourth day of January, 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 Subdivision lines of

Township 40 North, Range 3 East

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes and by diagram on page 1 hereof 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 126, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey. Place: Phoenix Arizona

Date: November 17, 1926.

William E. Hiester

U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SUPERVISOR OF SURVEYS

Denver, Colo., April 29, 1927

The foregoing field notes of the survey of

Part of the Subdivision lines of

Township 40 North, Range 3 East

of the Gila and Salt River Base and Meridian, in the State of Arizona,

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

under his special instructions dated January 4, 1924 for Group 126, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Franklin Johnson, U.S. Supervisor of Surveys

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