

Book "B" 3823

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BOOK 3823

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# FIELD NOTES

OF THE SURVEY OF

*Part of the*

*Subdivision Lines of*

*Township 29 North, Range 7 East*

*(Line between Secs. 17 and 20)*

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

In the State of ARIZONA

EXECUTED BY

*Sidney E. Blout, U.S. Cadastral Engineer*

*In the capacity of U. S. Surveyor..., under Special Instructions dated Sept. 30, 1926..., issued by the District Cadastral Engineer to govern surveys included in Group No. 144, Arizona..., which were approved by the Commissioner of the General Land Office, October 29, 1926..., and Assignment Instructions dated November 15, 1926...*

*Survey commenced November 30, 1926*

*Survey completed November 30, 1926*

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# INDEX DIAGRAM.

Township \_\_\_\_\_, Range \_\_\_\_\_

6	5	4	3	2	1
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13	17	16	15	14	13
19	20	21	22	23	24
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The survey of the subdivision line bet.secs.17 and 20, T.29 N.,R.7 E. as hereinafter described was executed on November 30 1926, by Sidney E.Blout, U.S.Cadastral Engineer, using A. Lietz transit No.6166, with full 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. All azimuth determinations are accomplished with the solar attachment.

The instrument was examined, tested on the true meridian at the Federal Building at Phoenix,Arizona, found correct and was approved by the District Cadastral Engineer for Arizona and California, November 15,1926, conditional upon satisfactory field tests.

Field tests of this instrument made on November 18 and 19, and November 28 and 29,1926 as described in Book "A" of this group, and on December 3,1926 on the meridian at the Federal Building,Phoenix, indicate that the instrument was in satisfactory adjustment during the survey of the subdivision line hereinafter described..

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 angles determined with the transit,and the slope measurements properly reduced to true horizontal distances for entry in the field notes.

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2 Survey of Part of the Subdivision lines of T.29 N., R.7 E.  
(line bet.sections 17 and 20)

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The subdivision lines of the South half of T.29 N., R.7 E., with the exception of lines bet. secs.13 and 24, bet.secs.15 and 22, and bet.secs.17 and 20 were surveyed by Thomas B. Matthews,U.S.S. in 1917 under Group No.67.

No survey of any other subdivision lines, and no retracement or resurvey of the surveyed subdivision lines is of record.

The following notes describe the survey of the subdivision line bet. secs. 17 and 20, T.29 N.,R. 7 E.

The cor. of secs.17,18,19 and 20 is an iron post, 2 ins.in diam.,projecting 24 ins.above ground,firmly set in ground and mound of stone,properly marked on brass cap and witnessed by four properly marked bearing trees, one each NE., SE., SW. and NW. of cor.

Thence

S.89°57'E. on random line,bet.secs.17 and 20.

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

80.42 Fall 8 lks. N. of cor.of secs. 16,17,20 and 21, which is an iron post,2 ins.in diam.,projecting 10 ins. above ground,firmly set,properly marked on brass cap, and witnessed by four properly marked cedar bearing trees,one each, NE.,SE.,SW. and NW. of cor.

Thence,

N.89°54'W.,on true line,bet.secs.17 and 20.

Over rolling sandy valley land,thru scattering timber and undergrowth.

12.50 West edge of valley,bears N.20°E.,and S.20°W.

Leave rolling sandy land and enter stony land.

Ascend 96 ft. over E. slope to

17.42 East rim of mesa, bears N.20°E. and S.20°W.

Thence over level stony land,thru scattering timber.

23.62 An indian sweat house bears S. 8 lks. dist.

40.21 Set an iron post, 3 ft. long, 1 in.in diam.,27 ins.in the ground, for  $\frac{1}{4}$  sec.cor.of secs.17 and 20, marked on brass cap,

S17 .

$\frac{1}{4}$  ———  
S20

1926

No bearing trees available.

Raise a mound of stone,2 ft.base,1 $\frac{1}{2}$  ft.high,N. of cor.

Continue over level stony land on mesa.

54.92 West rim of mesa, bears N. and S.

Leave level land and timber, and enter broken stony land.

Descend 46 ft. over W. slope.

60.92 Foot of descent,bears N. and S.

Enter level sandy valley.

69.82 West edge of valley, bears N. and S.

Enter rolling stony land.

Ascend 127 ft.over E. slope to

74.82 East rim of mesa, bears N. and S. .

Enter level land and scattering timber and undergrowth on mesa.

80.42 Intersect the cor.of secs.17,18,19 and 20.

Land, level and rolling.

Soil, sandy and stony, 2nd and 3rd rate.

Timber, cedar and pinion.

Undergrowth, sagebrush.

Boundaries of Section 20  
Township 29 North, Range 7 East  
Latitudes, departures and closing errors.

Line designated	True bearing	Dist.	Latitudes		Departures		
			N.	S.	E.	W.	
South bdy.	N. 89° 57' W.	80.15	.08			80.15	
West bdy.	N. 0° 3' W.	80.00	80.00			.08	
North bdy.	S. 89° 54' E.	80.42		.14	80.42		
East bdy.	S. 0° 3' E.	80.00		80.00	.08		
Convergency					.01		
<u>Totals</u>			80.08	80.14	80.51	80.23	
				80.08	80.23		
<u>Error in latitude</u>				0.06			
<u>Error in departure</u>						0.28	

GENERAL DESCRIPTION

The land in Section 20, T.29 N., R.7 E. is mostly of a mesa formation in character, with some level valley land in the eastern and western portions, and the soil varies between 2nd and 3rd rate.

The soil of the level valley portions of the section is for the most part a sandy loam underlaid with a stony clay subsoil and can nearly all be classed as 2nd rate, and is covered with a good growth of bunch and gramma grass. The soil over the mesa portions is a sandy and stony clay loam only a few inches in depth, underlaid with an impervious sandstone bedrock and can nearly all be classed as 3rd rate.

The section is sparsely timbered over the mesa portions with scrub cedar and pinion.

The land is highest along the north bdy. and slopes in a southerly direction towards a large sand wash which crosses thru the southwestern part of the section and is the outlet for the drainage of the greater portion of the land in the section.

There are no indications of valuable mineral deposits.

There is no permanent supply of water in the section and there are no settlers on the land at this time.

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CERTIFICATE OF UNITED STATES SURVEYOR.

I, Sidney E. Blout U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer, for Group No. 144, Arizona bearing date of the 30th day of September, 1926, 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 the portions of

the Subdivision Line between Secs. 17 and 20

of Township 29 North, Range 7 East of the Gila and 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 District Cadastral Engineer, for Group 144, 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: May 1, 1928.

Sidney E. Blout U.S. Cadastral Engineer.

APPROVAL.

OFFICE OF THE U.S. SUPERVISOR OF SURVEYS,

Denver, Colo., May 4, 1928.

The foregoing field notes of the survey of

the Subdivision Line between Sections 17 and 20

of Township 29 North, Range 7 East of the Gila and Salt River Base and Meridian, State of Arizona

executed by Sidney E. Blout, U.S. Cadastral Engineer under his special instructions dated September 30, 1926 for Group 144, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the survey they describe, are hereby approved.

W. H. 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.

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FIELD ASSISTANTS.

TO

Sidney E. Blout, U.S. Cadastral Engineer

NAMES.	CAPACITY.
<i>Max Hume</i>	<i>1st Chainman</i>
<i>Robert C. Deal</i>	<i>2nd Chainman</i>