

ORIGINAL
BOOK 5350
1

R-5350

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,

AND THE METES-AND-BOUNDS SURVEY

OF THE BOUNDARY

OF THE

MUGGINS MOUNTAINS WILDERNESS AREA,

IN

TOWNSHIP 7 SOUTH, RANGE 19 WEST,

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Robin T. Mathews, Cadastral Surveyor

Under Special Instructions dated March 12, 1991 and Amended Special Instructions dated April 18, 1991, approved March 12, 1991 and April 18, 1991, which provided for the surveys included under Group Number 729 and assignment instructions dated March 12, 1991 and October 16, 1991.

Survey commenced April 1, 1991

Survey completed Jan. 27, 1992

INDEX DIAGRAM

TOWNSHIP 7 SOUTH, RANGE 19 WEST,

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
8	7	5	4		

T. 7 S., R. 19 W., Gila and Salt River Meridian, Arizona

<p>CHAINS</p>	<p>The following field notes are those of the dependent resurvey of a portion of the south boundary and the metes-and-bounds survey of the boundary of Muggins Mountains Wilderness Area in Township 7 South, Range 19 West, Gila and Salt River Meridian, Arizona.</p> <p>The survey was executed in accordance with the specifications as set forth in the <u>Manual of Surveying Instructions, 1973</u>, and the Special Instructions dated March 12, 1991, and the Amended Special Instructions dated April 18, 1991, for Group No. 729, Arizona.</p> <p>Sidney E. Blout surveyed the north boundary of Township 8 South, Range 19 West, in 1912. William B. Kimmel surveyed the north boundary of Township 8 South, Range 20 West, and surveyed the east boundary of Township 7 South, Range 20 West, in 1915 and 1916. Ray Harpin, Douglas A. Cody and Paul J. Fisher surveyed the west boundary of Township 8 South, Range 19 West, in 1969 through 1981.</p> <p>Preliminary to the resurvey, the lines of the original survey were retraced and a search was made for all corners and other calls of the record. Identified corners were remonumented in their original positions; lost corners were restored and monumented at proportionate positions based on the original record. The retracement data were thoroughly verified and only the true line field notes are given herein.</p> <p>The purpose of this survey was to determine the boundary of Muggins Mountains Wilderness Area.</p> <p>The directions of all lines were determined by direct hour angle observations on the sun, and refer to the true meridian. Distances and angles were measured with a Lietz Set 4 and a Geodimeter 140 electronic instruments.</p> <p>The geographic position of Angle Point 1, on the South boundary of the township, identical with Angle Point 37, T. 8 S., R. 19 W., was determined by the technique of relative positioning using the Ashtech XII Geodetic Survey Unit. The U.S. Coast and Geodetic Survey triangulation station "Snake" was used as the control station. The coordinates refer to the top of the monument.</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Latitude</td> <td style="text-align: center;">Longitude</td> </tr> <tr> <td style="text-align: center;">32°45'54.5" N.</td> <td style="text-align: center;">114°12'30.2" W. NAD 27</td> </tr> </table> <p>The mean magnetic declination is 13° East.</p>	Latitude	Longitude	32°45'54.5" N.	114°12'30.2" W. NAD 27
Latitude	Longitude				
32°45'54.5" N.	114°12'30.2" W. NAD 27				

Dependent Resurvey of a Portion of the South Boundary,
T. 7 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>Restoring the survey executed by Sydney Blout in 1912</p> <hr style="width: 20%; margin: 0 auto;"/> <p>From the 1/4 sec. cor. of secs. 3, and 34, on the S. bdy. of the Tp., monumented with an iron pipe, 1 in. diam., firmly set, projecting 12 ins. above ground, in a collar of stone, 2 ft. base, 4 ins. high, with a mound of stone, 3 ft. base, 2 ft. high, to the N., with brass cap incorrectly mkd., S34 1/4 S3 1912.</p> <p>Add the marks T7S R19W and T8S 1991 to the brass cap.</p> <p>Cor. is located on a moderate E. facing slope.</p> <p>N. 89°54' W., bet. secs. 3 and 34.</p> <p>Over rugged land with scattered cacti and palo verde.</p>															
30.76	<p>Point for AP 1, identical with AP 37, T. 8 S., R. 19 W., of the Muggins Mountains Wilderness Area.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin: auto;"> <tr> <td style="padding: 2px 10px;">T7S</td> <td style="padding: 2px 10px;">R19W</td> <td></td> </tr> <tr> <td style="padding: 2px 10px;">AP1</td> <td style="padding: 2px 10px;">S34</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 10px;"></td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; padding: 2px 0 2px 10px;"></td> </tr> <tr> <td style="padding: 2px 10px;">AP37</td> <td style="padding: 2px 10px;">T8S</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 10px;"></td> </tr> <tr> <td colspan="3" style="padding: 2px 0 2px 10px;">MWA 1992</td> </tr> </table> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located on W. facing slope, 85 lks. W. of ridge top, bears N. and S.</p>	T7S	R19W		AP1	S34					AP37	T8S		MWA 1992		
T7S	R19W															
AP1	S34															
AP37	T8S															
MWA 1992																

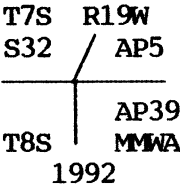
Dependent Resurvey of a Portion of the South Boundary,
T. 7 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
39.75	<p>The cor. of secs. 3, 4, 33, and 34, monumented with an iron pipe, 3 ins. diam., firmly set, projecting 10 ins. above ground, in a collar of stone, 1 1/2 ft. base, 6 ins. high, with a mound of stone, 3 ft. base, 2 ft. high, to the E., with brass incorrectly cap mkd., T7S T7S R19W S33 S34 T8S 1912.</p> <p>Not remonumented.</p> <p>Cor. is located on SE facing slope.</p> <hr/> <p>N. 89°51' W., bet. secs. 4 and 33.</p> <p>Over rugged land with scattered cacti and palo verde.</p>
40.07	<p>The 1/4 sec. cor. of secs. 4 and 33, monumented with an iron pipe, 1 in. diam., firmly set, projecting 15 ins. above ground, with a mound of stone, 3 ft. base, 2 ft. high, to the N., with brass cap incorrectly mkd., S33 1/4 S4 1912.</p> <p>Add the marks T7S R19W and T8S 1991 to the brass cap.</p> <p>Cor. is located at the bottom of a spur.</p> <hr/>

Dependent Resurvey of a Portion of the South Boundary,
T. 7 S., R. 19 W., Gila and Salt River Meridian, Arizona

<p>CHAINS</p>	<p>West, beginning new measurement.</p> <p>16.51 Point for AP 3, identical with AP 38, T. 8 S., R. 19 W., of the Muggins Mountains Wilderness Area.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="0"> <tr> <td>T7S</td> <td>R19W</td> <td></td> </tr> <tr> <td>S33</td> <td>AP3</td> <td></td> </tr> <tr> <td colspan="3"><hr style="width: 50%; margin: 0 auto;"/></td> </tr> <tr> <td></td> <td>AP38</td> <td></td> </tr> <tr> <td>T8S</td> <td>MMWA</td> <td></td> </tr> <tr> <td></td> <td>1992</td> <td></td> </tr> </table> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 75 lks. E. of a ravine, 10 lks. wide, 2 ft. deep, drains NW.</p> <p>40.02 The cor. of secs. 4, 5, 32, and 33, monumented with an iron pipe, 3 ins. diam., firmly set, projecting 12 ins. above ground, with a mound of stone, 2 ft. base, 2 ft. high, to the N., with brass cap incorrectly mkd., T7s S32 S33 T8S 1912.</p> <p>Not remonumented.</p> <p>Cor. is located on a NE facing slope.</p> <hr style="width: 80%; margin-left: 0;"/>	T7S	R19W		S33	AP3		<hr style="width: 50%; margin: 0 auto;"/>				AP38		T8S	MMWA			1992	
T7S	R19W																		
S33	AP3																		
<hr style="width: 50%; margin: 0 auto;"/>																			
	AP38																		
T8S	MMWA																		
	1992																		

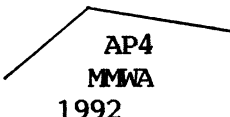
Dependent Resurvey of a Portion of the South Boundary,
T. 7 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
	N. 89°58' W., bet. secs. 5 and 32.
	Over rugged land with scattered cacti and palo verde.
40.01	The 1/4 sec. cor. of secs. 5 and 32, monumented with an iron pipe, 1 in. diam., firmly set, projecting 8 ins. above ground, with a mound of stone, 3 ft. base, 2 ft. high, to the N., with brass cap incorrectly mkd., S32 1/4 S5 1912.
	Add the marks T7S R19W and T8S 1991 to the brass cap.
	Cor. is located on a N. facing slope.
	N. 89°56' W., beginning new measurement.
10.82	Point for AP 5, identical with AP 39, T. 8 S., R. 19 W., of the Muggins Mountains Wilderness Area.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	 <pre> T7S R19W S32 / AP5 ----- AP39 MWA T8S 1992 </pre>
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.

Dependent Resurvey of a Portion of the South Boundary,
T. 7 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
	Cor. is located on a narrow rocky ridge, bears N. and S.
40.025	The cor. of secs. 5, 6, 31, and 32, monumented with an iron pipe, 3 ins. diam., firmly set, projecting 10 ins. above ground, with a mound of stone, 3 ft. base, 2 ft. high, to the N., with brass cap incorrectly mkd., T7S S31 S32 T8S 1912.
	Not remonumented.
	Cor. is located 120 lks. W. of dry wash, 35 lks. wide, drains N.
	N. 89°57' W., bet. secs. 6 and 31.
	Over rugged land with scattered cacti and palo verde.
40.105	The 1/4 sec. cor. of secs. 6 and 31, monumented with an iron pipe, 1 in. diam., firmly set, projecting 10 ins. above ground, with a mound of stone, 2 ft. base, 1 1/2 ft. high, to the N., with brass cap incorrectly mkd., S31 1/4 S6 1912.
	Add the marks T7S R19W and T8S 1991 to the brass cap.
	Cor. is located on a gradual N. facing slope.

Metes-and-Bounds Survey of the Boundary of
Muggins Mountains Wilderness Area,
T. 7 S., R. 19 W., Gila and Salt River Meridian, Arizona

<p>CHAINS</p> <p>36.01</p> <p>23.51</p> <p>40.37</p> <p>13.70</p>	<p>Cor. is located on top of spur, bears ESE, WSW and NNW.</p> <hr/> <p>S. 70°15' W., on line bet. AP2 and AP3.</p> <p>AP 3, at intersection with the line bet. secs. 4 and 33, on the S. bdy. of the Tp., identical with AP 38, T. 8 S., R. 19 W., hereinbefore described.</p> <p>From this cor. point, the 1/4 sec. cor. of secs. 4 and 33, on the S. bdy. of the Tp., bears East, 16.51 chs. dist., hereinbefore described.</p> <hr/> <p>West, between secs. 4 and 33 on the S. bdy. of the tp.</p> <p>The cor. of secs. 4, 5, 32, and 33, hereinbefore described.</p> <hr/> <p>N. 78°45' W., on line bet. the cor. of secs. 4, 5, 32, and 33, and AP4.</p> <p>Point for AP 4.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T7S R19W S32</p>  <p>AP4 MWA 1992</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located on top of a spur, bears ESE and WSW.</p> <hr/> <p>S. 55°06' W., on line bet. AP4 and AP5.</p> <p>AP 5, identical with AP 39, T. 8 S., R. 19 W., at intersection with the line bet. secs. 5 and 32, on the S. bdy. of the Tp., hereinbefore described.</p>
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Metes-and-Bounds Survey of the Boundary of
Muggins Mountains Wilderness Area,
T. 7 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>From this cor. point, the 1/4 sec. cor. of secs. 5 and 32, on the S. bdy. of the Tp., bears S. 89°56' E., 10.82 chs. dist., hereinbefore described.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>The area resurveyed and surveyed within T. 7 S., R. 19 W., Gila and Salt River Meridian, is located approximately 20 miles East of Yuma, Arizona and 9 miles North of Interstate Highway 40. The terrain consists of washes and rugged hills. Vegetation consists of palo verde, saguaro cactus and creosote undergrowth. The soil varies from sand to desert pavement.</p> <p>There is mining activity in the area.</p> <hr/> <p style="text-align: center;">DESCRIPTION OF MUGGINS MOUNTAIN WILDERNESS AREA BOUNDARY T. 7 S., R. 19 W., GILA AND SALT RIVER MERIDIAN, ARIZONA</p> <hr/> <p>The following description is for informational purposes only.</p> <hr/> <p>Beginning at Angle Point 1, on the S. bdy. of the tp., identical with Angle point 37, T. 8 S., R. 19 W.;</p> <p>thence N. 68°48' W., 33.98 chains distance to Angle Point 2; thence S. 70°15' W., 36.01 chains distance to Angle Point 3; thence on the S. bdy. of the tp., on the line between secs, 4 and 33, West, 23.51 chains distance to the corner of sections 32 and 33; thence N. 78°45' W., 40.37 chains distance to Angle Point 4; thence S. 55°06' W., 13.70 chains distance to Angle Point 5, on the S. bdy. of the tp., identical with Angle Point 39, T. 8 S., R. 19 W.;</p> <hr/>
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Cheryl Baier	Principle Assistant
Scott Peronto	Student Trainee

CERTIFICATE OF SURVEY

I, Robin T. Mathews, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 12th day of March, 1991, and Amended Special Instructions bearing date of the 18th day of April, 1991, I have dependently resurveyed a portion of the South boundary and surveyed a metes-and-bounds survey of the Muggins Mountains Wilderness Area Boundary in Township 7 South, Range 19 West, 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 survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

03/05/92
(Date)

Robin T. Mathews
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the South boundary and a metes and bounds survey of the Muggins Mountains Wilderness Area Boundary in Township 7 South, Range 19 West, Gila and Salt River Meridian, Arizona, executed by Robin T. Mathews, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

APR 10 1992
(Date)

James P. Kelly
(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 7 S., R. 19 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

~~_____
(Chief Cadastral Surveyor of Arizona)~~