

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

DEPENDENT RESURVEY OF A PORTION OF

THE PRINCIPAL MERIDIAN THROUGH TOWNSHIP 7 SOUTH

AND A PORTION OF THE SUBDIVISIONAL LINES,

AND THE METES-AND-BOUNDS SURVEY

OF THE

SOUTH MARICOPA MOUNTAINS WILDERNESS AREA BOUNDARY

IN TOWNSHIP 7 SOUTH, RANGE 1 WEST

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Robert C. Umbanhowar

Cadastral Surveyor

Under Special Instructions dated November 8, 1993, approved November 8, 1993, which provided for the surveys included under Group Number 764, and assignment instructions dated November 8, 1993.

Survey Commenced November 15, 1993

Survey Completed May 12, 1994

INDEX DIAGRAM

TOWNSHIP 7 SOUTH, RANGE 1 WEST,

6	5	4	6	6	5	4
7	8	9	10	11	12	
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30	29	28	27	26	25	
31	32	33	34	35	36	

T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the Principal Meridian through Township 7 South and a portion of the subdivisional lines, and the metes-and-bounds survey of the South Maricopa Mountains Wilderness Area Boundary, in Township 7 South, Range 1 West, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this survey is as follows: The Principal Meridian through Township 7 South was surveyed by J. B. McLaughlin in 1883. The Principal Meridian through Township 7 South was resurveyed by W. H. Thorn and W. K. Kierulff in 1914-15. The north boundary was surveyed by Ty White in 1938. The subdivisional lines were surveyed by G. Marvin Litz in 1947.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated November 8, 1993, for Group No. 764, Arizona.

Preliminary to the resurvey, the lines of the original survey were retraced and 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.

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 Pentax PTS-iii05 and a Nikon NTD-4 total station instruments.

The geographic position of the cor. of Tps. 6 and 7 S., R. 1 E. and R. 1 W., was determined by the technique of static differential positioning using Ashtech models M-XII and MS-XII geodetic units. U.S. Coast and Geodetic Survey triangulation stations "OCO 1936" and "BIG 1960" were used as the control stations. The elevation and coordinates refer to the top of the monument.

Elevation	Latitude	Longitude
1782.25 ft.	32°51'17.708" N.	112°18'20.245" W. NAD27

The mean magnetic declination, as taken from quadrangle map CONLEY WELLS, ARIZ., published in 1979 by U.S. Geological Survey, is 13° E.

Dependent Resurvey of a Portion of the Principal Meridian
through T. 7 S., Gila and Salt River Meridian, Arizona

CHAINS	<p style="text-align: center;">Restoring the resurvey executed by W. H. Thorn and W. K. Kierulff in 1914-15</p> <hr style="width: 20%; margin: auto;"/> <p>Beginning at the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., monumented with an iron post, 3 ins. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd. T7S R1W R1E S1 S6 S12 S7 1914 GSRM.</p> <p>Add the marks 1994 to the brass cap.</p> <p>Cor. is located in the center of a wash, 6 ft. wide, 1 ft. deep, drains NE.</p> <p>N. 0°01' E., bet. secs. 1 and 6.</p> <p>40.00 The 1/4 sec. cor. of secs. 1 and 6, determined at record bearing and dist. from the remaining original bearing tree</p> <p style="padding-left: 40px;">A dead mesquite, 12 ins. diam., bears S. 73 1/2° W., 60 lks. dist., with illegible marks in a partially healed blaze.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 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></td><td style="text-align: center;">T7S</td><td></td></tr> <tr><td></td><td style="text-align: center;">1/4</td><td style="text-align: center;">G</td></tr> <tr><td style="text-align: center;">R1W</td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;">R1E</td><td style="text-align: center;">S</td></tr> <tr><td></td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;">S6</td><td style="text-align: center;">R</td></tr> <tr><td style="text-align: center;">S1</td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;">M</td><td></td></tr> </table> <p>1993</p> </div> <p>from which</p> <p style="padding-left: 40px;">A concrete slab, 4 X 4 ft., bears N. 14 1/2° W., 46 lks. dist., with X B0 chiseled on S. face.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case inside the stainless steel post.</p> <p>Cor. is located 129 lks. S. of the center line of the E. bound lane of U.S. Interstate 8, 36 ft. wide, bears E. and W.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 0°01' E., beginning new measurement.</p>		T7S			1/4	G	R1W	R1E	S		S6	R	S1	M	
	T7S															
	1/4	G														
R1W	R1E	S														
	S6	R														
S1	M															

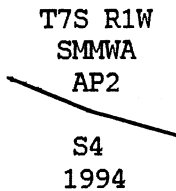
Dependent Resurvey of a Portion of the Principal Meridian
through T. 7 S., Gila and Salt River Meridian, Arizona

CHAINS	
12.28	Point for AP 9, on the South Maricopa Mountains Wilderness Area Bdy., hereinafter described.
	Thence along the South Maricopa Mountains Wilderness Area Bdy.
39.99	The cor. of Tps. 6 and 7 S., R. 1 E., and R. 1 W., monumented with an iron post, 3 ins. diam., firmly set, projecting 9 ins. above the ground, encircled with a collar of stone, with a mound of stone, 3 ft. base, 1 1/2 ft. high, to the S., with brass cap mkd. T6S R1W R1E S36 S31 S1 S6 T7S 1993 1914 as described in the field notes of the dependent resurvey of a portion of the Principal Meridian through T. 6 S., T. 6 S., R. 1 W., executed concurrently under this same group.
<p>Dependent Resurvey of a Portion of the Subdivisional Lines, T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona</p>	
<p>Restoring survey executed by G. Marvin Litz in 1947</p>	
<p>From the 1/4 sec. cor. of secs. 1 and 2, monumented with an iron post, 1 in. diam., firmly set, projecting 2 ins. above ground, encircled with a collar of stone, with a mound of stone, 3 ft. base, 1 ft. high, to the W., with brass cap mkd. 1/4 S2 S1 1947.</p>	
<p>Add the marks T7S R1W 1994 to the brass cap.</p>	
<p>N. 0°01' E., bet. secs. 1 and 2.</p>	
5.29	South right-of-way fence of U. S. Interstate 8, 4 strand, bears WNW and ESE.
6.85	Center line of E. bound U. S. Interstate 8, asphalt surface, 40 ft. wide, bears WNW and ESE.
8.48	Center line of W. bound U. S. Interstate 8, asphalt surface, 40 ft. wide, bears WNW and ESE.
9.95	North right-of-way fence of U. S. Interstate 8, 4 strand, bears WNW and ESE.
17.54	Point for AP 7, on the South Maricopa Mountain Wilderness Area Bdy., hereinafter described.
39.78	The cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., monumented with an iron post, 2 ins. diam., projecting 38 ins. above the ground, in a supporting mound of stone, 6 ft. base to top, with brass cap mkd. T6S R1W S35 S36 S2 S1 T7S 1938.

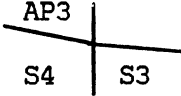
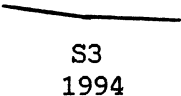
Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Add the marks 1994 to the brass cap.</p>
	<p>From the 1/4 sec. cor. of secs. 2 and 3, monumented with an iron post, 1 in. diam., firmly set, projecting 2 ins. above ground, with a mound of stone, 3 ft. base, 2 ft. high, to the W., with brass cap mkd. 1/4 S3 S2 1947.</p>
	<p>Add the marks T7S R1W 1994 to the brass cap.</p> <p>North, bet. secs. 2 and 3.</p>
21.36	<p>Point for AP 5, on the South Maricopa Mountain Wilderness Area Bdy., hereinafter described.</p>
39.82	<p>The cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 2 ins. above the ground, encircled with a collar of stone, with a mound of stone, 3 ft. base, 1 ft. high, to the W., with brass cap mkd. T6S R1W S34 S35 S3 S2 T7S 1938.</p> <p>Add the marks 1994 to the brass cap.</p>
	<p>From the 1/4 sec. cor. of secs. 3 and 4, monumented with an iron post, 1 in. diam., firmly set, projecting 1 in. above ground, with a mound of stone, 2 ft. base, 1 ft. high, to the W., with brass cap mkd. 1/4 S4 S3 1947.</p> <p>Add the marks T7S R1W 1994 to the brass cap.</p> <p>N. 0°01' E., bet. secs. 3 and 4.</p>
17.27	<p>Center line of E. bound U. S. Interstate 8, asphalt surface, 40 ft. wide, bears WNW and ESE.</p>
18.93	<p>Center line of W. bound U. S. Interstate 8, asphalt surface, 40 ft. wide, bears WNW and ESE.</p>
28.01	<p>Point for AP 3, on the South Maricopa Mountain Wilderness Area Bdy., hereinafter described.</p>
39.87	<p>The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above the ground, with brass cap mkd. T6S R1W S33 S34 S4 S3 T7S 1938, from which the remaining original bearing tree</p> <p style="text-align: center;">A dead mesquite, 5 ins. diam., bears N. 79 1/4° W., 208 lks. dist., mkd. BT on faded blaze.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Add the marks 1994 to the brass cap.</p>
	<p style="text-align: center;">Metes-and-Bounds Survey of the South Maricopa Mountains Wilderness Area Boundary, T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona</p>
	<p>From AP 1, identical with AP 34, T. 6 S., R. 1 W., on the line bet. secs. 4 and 33 on the N. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd. T6S R1W SMMWA S33 AP34 S4 AP1 T7S R1W 1994 as described in the field notes of the metes-and-bounds survey of the South Maricopa Mountains Wilderness Area Bdy., T. 6 S., R. 1 W., executed concurrently under this same group.</p> <p>From this cor. point, the 1/4 sec. cor. of secs. 4 and 33, on the N. bdy., bears S. 89°58' E., 2.22 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. T6S R1W 1/4 S33 S4 T7S 1994 1938 as described in the field notes of the dependent resurvey of a portion of the S. bdy., T. 6 S., R. 1 W., executed concurrently under this same group.</p> <p>S. 72°55' E., on line 1-2.</p>
<p>19.39</p>	<p>Point for AP 2.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T7S R1W SMMWA AP2</p>  <p>S4 1994</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case inside the stainless steel post.</p> <p>Cor. is located 7.8 chs. N. of northerly right-of-way fence of U.S. Interstate 8, 4 strand, bears WNW. and ESE.</p> <p style="text-align: center;">_____</p> <p>S. 75°23' E., on line 2-3.</p>
<p>24.49</p>	<p>Point for AP 3, on the line bet. secs. 3 and 4.</p>

Metes-and-Bounds Survey of the
 South Maricopa Mountains Wilderness Area Bdy.,
 T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<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 data-bbox="824 394 1003 583" style="text-align: center;"> <p>T7S R1W SMMWA AP3  S4 S3 1994</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case inside the stainless steel post.</p> <p>Cor. is located 7.8 chs. N. of northerly right-of-way fence of U.S. Interstate 8, 4 strand, bears WNW. and ESE.</p> <p>From this cor. point, the 1/4 sec. cor. of secs. 3 and 4, bears S. 0°01" W., 28.01 chs. dist., hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 83°04' E., on line 3-4.</p>
<p>38.20</p>	<p>Point for AP 4.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div data-bbox="824 1161 1003 1350" style="text-align: center;"> <p>T7S R1W SMMWA AP4  S3 1994</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case inside the stainless steel post.</p> <p>Cor. is located 7.6 chs. N. of northerly right-of-way fence of U.S. Interstate 8, 4 strand, bears W. and E.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 87°14' E., on line 4-5.</p>
<p>42.16</p>	<p>Point for AP 5, on the line bet. secs. 2 and 3.</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>

Metes-and-Bounds Survey of the
 South Maricopa Mountains Wilderness Area Bdy.,
 T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<div style="text-align: center;"> <p>T7S R1W SMMWA AP 5</p> <hr style="width: 100px; margin: 0 auto;"/> <p>S3 S2 1994</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case inside the stainless steel post.</p> <p>Cor. is located 7.6 chs. N. of northerly right-of-way fence of U.S. Interstate 8, 4 strand, bears W. and E.</p> <p>From this cor. point, the 1/4 sec. cor. of secs. 2 and 3, bears South, 21.36 chs. dist., hereinbefore described.</p> <hr style="width: 200px; margin: 10px auto;"/> <p>S. 87°17' E., on line 5-6.</p>
36.42	<p>Point for AP 6.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, in a supporting mound of stone, 4 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T7S R1W SMMWA AP6</p> <hr style="width: 100px; margin: 0 auto;"/> <p>S2 1994</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case inside the stainless steel post.</p> <p>Cor. is located 7.6 chs. N. of northerly right-of-way fence of U.S. Interstate 8, 4 strand, bears W. and E.</p> <hr style="width: 200px; margin: 10px auto;"/> <p>S. 87°16' E., on line 6-7.</p>
43.69	<p>Point for AP 7, on the line bet. secs. 1 and 2.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 5 ins. in the ground, in a supporting mound of stone, 2 ft. base to top, with brass cap mkd.</p>

Metes-and-Bounds Survey of the
 South Maricopa Mountains Wilderness Area Bdy.,
 T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<div style="text-align: center;"> <p>T7S R1W SMMWA AP7 _____ S2 S1 1994</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case inside the stainless steel post.</p> <p>Cor. is located 7.6 chs. N. of northerly right-of-way fence of U.S. Interstate 8, 4 strand, bears W. and E.</p> <p>From this cor. point, the 1/4 sec. cor. of secs. 1 and 2, bears S. 0°01" W., 17.54 chs. dist., hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 87°17' E., on line 7-8.</p>
37.12	<p>Point for AP 8.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T7S R1W SMMWA AP8 _____ S1 1994</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case inside the stainless steel post.</p> <p>Cor. is located 7.6 chs. N. of northerly right-of-way fence of U.S. Interstate 8, 4 strand, bears W. and E.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 85°00' E., on line 8-9.</p>
43.08	<p>Point for AP 9. on the line bet. secs. 1 and 6, on the E. bdy. of the Tp.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.</p>

Metes-and-Bounds Survey of the
 South Maricopa Mountains Wilderness Area Bdy.,
 T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona

CHAINS	<div style="text-align: center; margin-bottom: 20px;"> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case inside the stainless steel post.</p> <p>Cor. is located 7.6 chs. N. of northerly right-of-way fence of U.S. Interstate 8, 4 strand, bears W. and E.</p> <p>From this cor. point, the 1/4 sec. cor. of secs. 1 and 6, bears S. 0°01" W., 12.28 chs. dist., hereinbefore described.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>This survey is located approximately 30 miles east of the town of Gila Bend, Arizona. The elevation ranges from 1500 feet to 2800 feet above sea level. The general terrain encompassed in this resurvey is mountainous. The general drainage is to the east and south.</p> <p>The soil is rocky and does not promote much usable vegetation. There is an abundance of saguaro and other various cacti, greasewood, along with some paloverde and ironwood trees.</p> <p>There are various range improvements in the township consisting of improved dirt roads, corrals and water tanks.</p> <p>Land usage consists primarily of grazing cattle. Other significant uses of the land would be for recreational and hunting purposes. Quail, javelina, rabbits and lizards are abundant in the area encompassed by this survey.</p> <hr/> <p style="text-align: center;">Description of the South Maricopa Mountains Wilderness Area Bdy., T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p>The following description is for informational purposes only.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>Beginning at Angle Point 1, identical with Angle Point 34, T. 6 S., R. 1 W., on the line bet. secs. 4 and 33 on the N. bdy. of the Tp.</p>
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T. 7 S., R. 1 W., Gila and Salt River Meridian, Arizona

CHAINS

thence S. 72°55' E., 19.39 chs. dist., to Angle Point 2;
thence S. 75°23' E., 24.49 chs. dist., to Angle Point 3, on the
line bet. secs. 3 and 4;
thence S. 83°04' E., 38.20 chs. dist., to Angle Point 4;
thence S. 87°14' E., 42.16 chs. dist., to Angle Point 5. on the
line bet. secs. 2 and 3;
thence S. 87°17' E., 36.42 chs. dist., to Angle Point 6;
thence S. 87°16' E., 43.69 chs. dist., to Angle Point 7, on the
line bet. secs. 1 and 2;
thence S. 87°17' E., 37.12 chs. dist., to Angle Point 8;
thence S. 85°00' E., 43.08 chs. dist., to Angle Point 9, on the
line bet. secs. 1 and 6, on the E. bdy. of the Tp.;
thence N. 0°01' E., 27.71 chs. dist., bet. secs. 1 and 6, to
the cor. of Tps. 6 and 7 S., R. 1 E. and R. 1 W.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Kevin C. Berridge	Surveying Technician
Ted E. Cazier	Surveying Technician
Jeff A. Hill	Surveying Technician
Lawrence T. Kemp	Surveying Technician
Timothy F. Patro	Surveying Technician
Mark R. Searles	Surveying Technician

CERTIFICATE OF SURVEY

I, Robert C. Umbanhowar, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 8th day of November, 1993, I have dependently resurveyed a portion of the Principal Meridian through Township 7 South and a portion of the subdivisional lines, and executed the metes-and-bounds survey of the South Maricopa Mountains Wilderness Area Boundary, in Township 7 South, Range 1 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.

9-25-97
(Date)

Robert C. Umbanhowar
(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 Principal Meridian through Township 7 South and a portion of the subdivisional lines, and the metes-and-bounds survey of the South Maricopa Mountains Wilderness Area Boundary, in Township 7 South, Range 1 West, Gila and Salt River Meridian, Arizona, executed by Robert C. Umbanhowar, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

5-11-98
(Date)

Kenny D. Lawmikan
(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. 1 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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