

**ORIGINAL**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**BOOK 5473**  
FIELD NOTES

OF THE

DEPENDENT RESURVEY OF

A PORTION OF THE NORTH BOUNDARY

AND

THE METES-AND-BOUNDS SURVEY OF THE

NORTH MARICOPA MOUNTAINS WILDERNESS AREA BOUNDARY,

TOWNSHIP 5 SOUTH, RANGE 2 WEST

Of the Gila and Salt River Meridian,  
In the State of Arizona

EXECUTED BY  
Olian T. Shockley, Cadastral Surveyor

Under Special Instructions dated October 21, 1993, approved October 21, 1993, which provided for the surveys included under Group Number 762 and assignment instructions dated October 22, 1993.

Survey commenced October 26, 1993  
Survey completed September 27, 1994

BOOK 5473  
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## BOOK 5473

T. 5 S., R. 2 W., Gila and Salt River Meridian, Arizona

## CHAINS

The following field notes are those of the dependent resurvey of a portion of the north boundary and the metes-and-bounds survey of the North Maricopa Mountains Wilderness Area Boundary, Township 5 South, Range 2 West, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this dependent resurvey and survey is as follows: The west boundary was surveyed by Horace M. Muscott in 1938. The north boundary and subdivisional lines were surveyed by Louis D. Gilbert in 1970.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated October 21, 1993, for Group No. 762, 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 Lietz Set 2B II total station.

The geographic position of the cor. of secs. 5, 6, 31, and 32, on the north boundary of the township, as determined from a tie made to U.S. Geological Survey triangulation station "ESTRELLA 1936", located in the southwest quarter of section 33, Township 4 South, Range 2 West, is as follows:

Latitude: 33°01'44.71" N. Longitude: 112°29'41.76" W. NAD 27

The mean magnetic declination as taken from quadrangle map COTTON CENTER SE, ARIZ., published in 1973 by U.S. Geological Survey, is 13 1/2° E.

## BOOK 5473

Dependent Resurvey of a Portion of the North Boundary,  
T. 5 S., R. 2 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">Restoring the survey executed by Louis D. Gilbert, in 1970</p> <hr/> <p>Beginning at the cor. of secs. 5, 6, 31, and 32, on the N. bdy. of the Tp., monumented with an iron post, 3 ins. diam., firmly set, projecting 4 ins. above ground, with a mound of stone to the W., 3 ft. base, 1 ft. high, with brass cap mkd. T4S R2W S31 S32 S6 S5 T5S 1970.</p> <p>Add the marks 1993 on the brass cap.</p> <p>From this cor. point, U.S. Geological Survey triangulation station "ESTRELLA 1936", with published latitude of 33°01'56.69132" N. and longitude of 112°28'33.58730" W., NAD27, bears N. 78°12'37" E., forward bearing, 89.85 chs. dist., monumented with a standard brass disk, 3 1/2 ins. diam., cemented flush with the top of a granite boulder, 8 X 6 X 3 ins. high, with top of disk mkd. ESTRELLA 1936 and a triangle.</p> <p>N. 89°59' W., bet. secs. 6 and 31.</p> <p>31.45 Point for A.P. 14, of the North Maricopa Mountains Wilderness Area Bdy., identical with A.P. 1, T. 4 S., R. 2 W., hereinafter described.</p> <p>40.01 True point for the 1/4 sec. cor. of secs. 6 and 31, at proportionate dist.; falls in a wash, impracticable to monument.</p> <p>42.01 The witness 1/4 sec. cor. of secs. 6 and 31, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, in a mound of stone, 2 ft. base, to top, with brass cap mkd. T4S R2W S31 WC 1/4 S6 T5S 1970 and an arrow pointing to the cor. point.</p> <p>Add the marks 1993 on the brass cap.</p> <p>Cor. is located 20 lks. S. of a wash, 30 lks. wide, 1 ft. deep, drains WNW, and 125 lks. N. of a trail road, bears WSW and ENE.</p> <hr/> <p>West, beginning new measurement.</p> <p>37.77 The cor. of Tps. 4 and 5 S., Rs. 2 and 3 W., monumented with an iron post, 3 ins. diam, firmly set, projecting 12 ins. above ground, with brass cap mkd. T4S R3W R2W S36 S31 S1 S6 T5S 1993 1938 as described in the field note record of the dependent resurvey of the east boundary of T. 5 S., R. 3 W., executed concurrently under this same group.</p> <hr/>

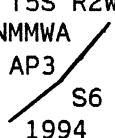
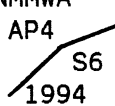
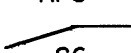
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BOOK 5473

Metes-and-Bounds Survey of the  
North Maricopa Mountain Wilderness Area Boundary,  
T. 5 S., R. 2 W., Gila and Salt River Meridian, Arizona

CHAINS	
	In Sec. 6
	<p style="text-align: center;">_____</p> <p>From A.P. 1, identical with A.P. 21, T. 5 S., R. 3 W., on line bet. secs. 1 and 6, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. T5S R3W R2W NMMWA AP21 AP1 S1 S6 1994 as described in the field note record of the metes-and-bounds survey of the North Maricopa Mountains Wilderness Area Bdy., T. 5 S., R. 3 W., executed concurrently under this same group.</p> <p>From this cor. point, the cor. of Tps. 4 and 5 S., Rs. 2 and 3 W., bears N. 0°01' E., 18.44 chs. dist, hereinbefore described.</p> <p>N. 39°10' E. on line 1-2 of the North Maricopa Mountains Wilderness Area Bdy.</p> <p>NW of a trail road.</p>
4.16	<p>Point for A.P. 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;"> </div> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 55 lks. N. of a trail road, bears NE and SW.</p> <p style="text-align: center;">_____</p>
4.23	<p>N. 54°03' E. on line 2-3 of the North Maricopa Mountains Wilderness Area Bdy.</p> <p>NW of a trail road.</p> <p>Point for A.P. 3.</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>

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Metes-and-Bounds Survey of the  
North Maricopa Mountain Wilderness Area Boundary,  
T. 5 S., R. 2 W., Gila and Salt River Meridian, Arizona

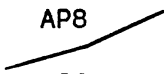
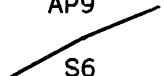
CHAINS	
	<p style="text-align: center;">T5S R2W NMMWA AP3  S6 1994</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 60 lks. N. of a trail road, bears ENE and WSW.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 40°17' E. on line 3-4 of the North Maricopa Mountains Wilderness Area Bdy.</p> <p>NW of a trail road.</p>
2.88	<p>Point for A.P. 4</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> <p style="text-align: center;">T5S R2W NMMWA AP4  S6 1994</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 55 lks. N. of a trail road, bears NE and SW.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 75°00' E. on line 4-5 of the North Maricopa Mountains Wilderness Area Bdy.</p> <p>NNW of a trail road.</p>
7.22	<p>Point for A.P. 5.</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> <p style="text-align: center;">T5S R2W NMMWA AP5  S6 1994</p>

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Metes-and-Bounds Survey of the  
North Maricopa Mountain Wilderness Area Boundary,  
T. 5 S., R. 2 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 45 lks. N. of a trail road, bears E. and W.</p> <hr/> <p>S. 81°55' E. on line 5-6 of the North Maricopa Mountains Wilderness Area Bdy.</p> <p>N. of a trail road.</p> <p>3.72 Point for A.P. 6.</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> <p style="text-align: center;">T5S R2W NMMWA AP6</p> <hr/> <p style="text-align: center;">S6 1994</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 45 lks. N. of a trail road, bears E. and WNW, in curve.</p> <hr/> <p>N. 87°58' E. on line 6-7 of the North Maricopa Mountains Wilderness Area Bdy.</p> <p>N. of a trail road.</p>
3.57	<p>Point for A.P. 7.</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> <p style="text-align: center;">T5S R2W NMMWA AP7</p> <hr/> <p style="text-align: center;">S6 1994</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p>

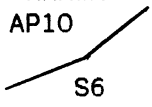
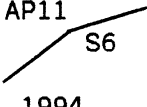
Metes-and-Bounds Survey of the  
 North Maricopa Mountain Wilderness Area Boundary,  
 T. 5 S., R. 2 W., Gila and Salt River Meridian, Arizona

CHAINS	
3.40	<p>Cor. is located 45 lks. N. of a trail road, bears E. and W.</p> <hr/> <p>N. 64°41' E. on line 7-8 of the North Maricopa Mountains Wilderness Area Bdy.</p> <p>NNW of a trail road.</p> <p>Point for A.P. 8.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T5S R2W            NMMWA            AP8</p>  <p>S6            1994</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 60 lks. N. of a trail road, bears NE and SW.</p> <hr/> <p>N. 50°04' E. on line 8-9 of the North Maricopa Mountains Wilderness Area Bdy.</p> <p>NW of a trail road.</p>
2.56	<p>Point for A.P. 9.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T5S R2W            NMMWA            AP9</p>  <p>S6            1994</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 55 lks. N. of a trail road, bears ENE and WSW.</p> <hr/> <p>N. 67°45' E. on line 9-10 of the North Maricopa Mountains Wilderness Area Bdy.</p>



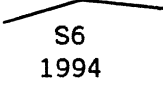
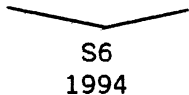
## BOOK 5473

Metes-and-Bounds Survey of the  
North Maricopa Mountain Wilderness Area Boundary,  
T. 5 S., R. 2 W., Gila and Salt River Meridian, Arizona

CHAINS	
3.49	<p>NNW of a trail road.</p> <p>Point for A.P. 10.</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 data-bbox="841 527 992 716" style="text-align: center;"> <p>T5S R2W NMMWA AP10</p>  <p>S6 1994</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 55 lks. N. of a trail road, bears NE and WSW, in curve.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 47°39' E. on line 10-11 of the North Maricopa Mountains Wilderness Area Bdy.</p> <p>NW of a trail road.</p>
2.99	<p>Point for A.P. 11.</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 data-bbox="862 1289 1008 1478" style="text-align: center;"> <p>T5S R2W NMMWA AP11</p>  <p>S6 1994</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 45 lks. N. of a trail road, bears NE and SW.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 70°29' E. on line 11-12 of the North Maricopa Mountains Wilderness Area Bdy.</p> <p>NNW of a trail road.</p>
6.45	<p>Point for A.P. 12.</p>

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BOOK 5473

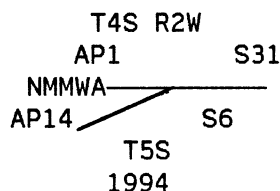
Metes-and-Bounds Survey of the  
North Maricopa Mountain Wilderness Area Boundary,  
T. 5 S., R. 2 W., Gila and Salt River Meridian, Arizona

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> <p style="text-align: center;">T5S R2W NMMWA AP12</p>  <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 55 lks. N. of a trail road, bears E. and W.</p> <hr/> <p>S. 84°30' E. on line 12-13 of the North Maricopa Mountains Wilderness Area Bdy.</p> <p>N. of a trail road.</p> <p>4.04 Point for A.P. 13.</p>
4.04	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T5S R2W NMMWA AP13</p>  <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 50 lks. N. of a trail road, bears E. and W.</p> <hr/> <p>N. 81°13' E. on line 13-14 of the North Maricopa Mountains Wilderness Area Bdy.</p> <p>N. of a trail road.</p> <p>5.70 Point for A.P. 14, identical with A.P. 1, T. 4 S., R. 2 W., on line bet. secs. 6 and 31, on the N. 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>

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Metes-and-Bounds Survey of the  
North Maricopa Mountain Wilderness Area Boundary,  
T. 5 S., R. 2 W., Gila and Salt River Meridian, Arizona

CHAINS



Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.

Cor. is located 50 lks. N. of a trail road, bears ENE and W., in curve.

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GENERAL DESCRIPTION

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The land encompassed in this survey is located approximately 46 1/2 miles southwest of Phoenix, Arizona and approximately 9 miles northeast of Gila Bend, Arizona. The general elevation is 1000 feet above sea level. The land is flat to gently rolling, broken with numerous dry washes and drains. The vegetation consists of paloverde, ironwood, cactus, creosote, and sparse native grasses.

Primary access is by way of United States Highway 80. Secondary access is by way of Maricopa Road and numerous unimproved trail roads.

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Description of the North Maricopa Mountains Wilderness Area Bdy.  
T. 5 S., R. 2 W., Gila and Salt River Meridian, Arizona

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The following is for informational purposes only.

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Beginning at Angle Point 1, identical with Angle Point 21, T. 5 S., R. 3 W., on the line bet. secs. 1 and 6, on the W. bdy. of the Tp.;

thence N. 39°10' E.,	4.16 chs. dist. to Angle Point 2;
thence N. 54°03' E.,	4.23 chs. dist. to Angle Point 3;
thence N. 40°17' E.,	2.88 chs. dist. to Angle Point 4;
thence N. 75°00' E.,	7.22 chs. dist. to Angle Point 5;
thence S. 81°55' E.,	3.72 chs. dist. to Angle Point 6;
thence N. 87°58' E.,	3.57 chs. dist. to Angle Point 7;
thence N. 64°41' E.,	3.40 chs. dist. to Angle Point 8;
thence N. 50°04' E.,	2.56 chs. dist. to Angle Point 9;
thence N. 67°45' E.,	3.49 chs. dist. to Angle Point 10;
thence N. 47°39' E.,	2.99 chs. dist. to Angle Point 11;

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T. 5 S., R. 2 W., Gila and Salt River Meridian, Arizona

## CHAINS

thence N. 70°29' E., 6.45 chs. dist. to Angle Point 12;  
thence S. 84°30' E., 4.04 chs. dist. to Angle Point 13;  
thence N. 81°13' E., 5.70 chs. dist. to Angle Point 14,  
identical with Angle Point 1, T. 4 S., R. 2 W., on the  
line bet. secs. 6 and 31, on the N. bdy. of the Tp.

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## BOOK 5473

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## FIELD ASSISTANTS

NAMES	CAPACITY
Cheryl A. Baier	Surveying Technician
Kevin C. Berridge	" "
Gordon R. Bubel	" "
Geoffrey A. Graham	" "
Lawrence T. Kempe	" "
Timothy F. Patro	" "
Mark R. Searles	" "

BOOK 5473  
CERTIFICATE OF SURVEY

I, Olian T. Shockley, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 21st day of October, 1993, I have dependently resurveyed a portion of the north boundary and conducted a metes-and-bounds survey of the of North Maricopa Mountains Wilderness Area Boundary, in Township 5 South, Range 2 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.

NOV 14 1996

(Date)

Olian T. Shockley

(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 north boundary and a metes-and-bounds survey of the North Maricopa Mountains Wilderness Area Boundary, in Township 5 South, Range 2 West, Gila and Salt River Meridian, Arizona, executed by Olian T. Shockley, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

JAN 06 1997

(Date)

Dale C. Wilson

(Acting 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. 5 S., R. 2 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

JAN 06 1997

(Date)

Dale C. Wilson

(Acting Chief Cadastral Surveyor of Arizona)