

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE

---

DEPENDENT RESURVEY OF A PORTION OF

---

THE SUBDIVISIONAL LINES

---

AND

---

THE SUBDIVISION OF SECTION 7,

---

IN

---

TOWNSHIP 6 SOUTH, RANGE 1 EAST

---

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 6 SOUTH, RANGE 1 EAST,

6	5	5	4	3	2	1
7	4	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	

Subdivision of Sec. 7 - pg. 6

## T. 6 S., R. 1 E., Gila and Salt River Meridian, Arizona

## CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, and the subdivision of section 7, in Township 6 South, Range 1 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this survey is as follows: The Principal Meridian through Township 6 South was surveyed by J. B. McLaughlin in 1883. The Principal Meridian through Township 6 South was resurveyed and the First Standard Parallel South through Range 1 East was surveyed by W. H. Thorn and W. K. Kierulff in 1914-15. The subdivisional lines were surveyed by W. G. Shapcott and W. K. Kierulff in 1915-16.

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-iii105 and a Nikon NTD-4 total station instruments.

The geographic position of the 1/4 sec. cor. of secs. 7 and 8, 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	
1689.11 ft.	32°55'12.899" N.	112°17'19.638" 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 Subdivisional Lines,  
T. 6 S., R. 1 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">Restoring the survey executed by W. G. Shapcott and W. K. Kierulff, in 1915-16</p> <hr style="width: 20%; margin: auto;"/>
	<p>Beginning at the 1/4 sec. cor. of secs. 7 and 8, monumented with an iron post, 1 in. diam., firmly set, projecting 17 ins. above ground, with brass cap mkd. 1/4 S7 S8 1916.</p>
	<p>Add marks T6S R1E 1993 to the brass cap.</p>
	<p>Cor. is located 15 lks. W. of trail road, bears N. and S.</p>
	<p>N. 0°01' W., bet. secs. 7 and 8, along the South Maricopa Mountains Wilderness Area Bdy.</p>
40.00	<p>The cor. of secs. 5, 6, 7 and 8, monumented with an iron post, 2 ins. diam., firmly set, projecting 9 ins. above ground, with a scattered mound of stone, 2 ft. base, 1 ft. high, to the W., with brass cap mkd. T6S R1E S6 S5 S7 S8 1916.</p>
	<p>Add the marks 1993 to the brass cap.</p>
	<p>Rebuild mound of stone to the W., 2 ft. base 1 1/2 ft. high,</p>
	<p>Cor. is located 18 lks. S. of barbed wire fence, 4 strand, bears E. and W., and 15 lks. W. of trail road, bears N. and S.</p>
	<p>N. 0°01' W., bet. secs. 5 and 6, along the South Maricopa Mountains Wilderness Area Bdy.</p>
40.03	<p>The 1/4 sec. cor. of secs. 5 and 6, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above ground, with a mound of stone, 1 1/2 ft. base, 1/2 ft. high, to the E., with brass cap mkd. 1/4 S6 S5 1916.</p>
	<p>Add the marks T6S R1E 1993 to the brass cap.</p>
	<p>Cor. is located 15 lks. W. of trail road, bears N. and S.</p>
	<p>N. 0°01' W., beginning new measurement.</p>
39.85	<p>The closing cor. of secs. 5 and 6, on the First Stan. Par. South, identical with AP 1, T. 5 S., R. 1 E., monumented with an iron post, 2 ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd. T5S R1E S31 S32 CC S6 S5 T6S 1993 1916 as described in the field notes of the dependent resurvey of a portion of the First Stan. Par. S. through R. 1 E., T. 5 S., R. 1 E., executed concurrently under this same group.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 6 S., R. 1 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From this cor. point, the stan. cor. of secs. 31 and 32, bears East, 1.93 chs. dist., monumented with an iron post, 3 ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd. SC T5S R1E S31 S32 1993 1914 as described in the field notes of the dependent resurvey of a portion of the First Stan. Par. S. through R. 1 E., T. 5 S., R. 1 E., executed concurrently under this same group.</p>
	<p style="text-align: center;">Subdivision of Section 7 T. 6 S. R. 1 E., Gila and Salt River Meridian, Arizona</p>
<p>37.00</p>	<p>From the 1/4 sec. cor. of secs. 7 and 8.</p> <p>S. 89°55' W., on the E. and W. center line of sec. 7, along the South Maricopa Mountains Wilderness Area Bdy.</p> <p>Point selected for a witness point on the E. and W. centerline of sec. 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;">WP T6S R1E SMMWA C — C S7 1994</p>
<p>78.18</p>	<p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case inside the stainless steel post.</p> <p>The 1/4 sec. cor. of secs. 7 and 12, on the W. bdy. of the Tp., monumented with an iron post, 1 in. diam., firmly set, projecting 9 ins. above ground, with brass cap mkd. T6S R1W R1E S12 1/4 S7 1993 1914 GSRM 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>
	<p style="text-align: center;">General Description</p>
	<p>This survey is located approximately 10 miles south of the town of Mobile, 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>

## T. 6 S., R. 1 E., Gila and Salt River Meridian, Arizona

## CHAINS

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.

There are various range improvements in the township consisting of improved dirt roads, corrals and water tanks.

Land usage consists primarily of grazing cattle. Other significant uses of the land would be for recreational and hunting purposes. Quail, javelin, rabbits and lizards are abundant in the area encompassed by this survey.

Description of the South Maricopa Mountains Wilderness Area Bdy.,  
T. 5 S., R. 1 E., Gila and Salt River Meridian, Arizona

The following description is for informational purposes only.

Beginning at the 1/4 sec. cor. of secs. 7 and 12, on the W. bdy. of the Tp.

thence N. 89°55' E., 78.18 chs. dist., on the E. and W. centerline of sec. 7, to the 1/4 sec. cor. of secs. 7 and 8;  
thence N. 0°01' W., 40.00 chs. dist., bet. secs. 7 and 8 to the cor. of secs. 5, 6, 7 and 8;  
thence N. 0°01' W., 40.03 chs. dist., bet. secs. 5 and 6 to the 1/4 sec. cor. of secs. 5 and 6;  
thence N. 0°01' W., 39.85 chs. dist., bet. secs. 5 and 6 to the closing cor. of secs. 5 and 6, identical with Angle Point 1, T. 5 S., R. 1 E.

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. Kempe	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 subdivisional lines and subdivided section 7, in Township 6 South, Range 1 East, 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 subdivisional lines and the subdivision of section 7, in Township 6 South, Range 1 East, 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 S. Ravnikar

(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. 6 S., R. 1 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~