

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE
DEPENDENT RESURVEY OF
A PORTION OF THE EAST BOUNDARY
A PORTION OF THE SUBDIVISIONAL LINES,
AND THE
SURVEY OF SUBDIVISIONS IN SECTION 12,
INCLUDING LOT 1,
TOWNSHIP 20 NORTH, RANGE 16 WEST.

Of the GILA AND SALT RIVER Meridian,
In the State of ARIZONA

EXECUTED BY

HARRY K. SMITH, CADASTRAL SURVEYOR

Under special instructions dated APRIL 18, 19 79, approved APRIL 19, 1979,

_____, which provided for the surveys included under U.S. Survey/Group
Number 610, and assignment instructions dated APRIL 18, 19 79.

Survey commenced MAY 14, 19 79

Survey completed MAY 18, 19 79

1A

BOOK 5 116

INDEX DIAGRAM

Township 20 North, Range 16 West

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Township 20 North, Range 16 West,
Gila and Salt River Meridian, Arizona

CHAINS

The history of surveys of Township 20 North, Range 16 West, Gila and Salt River Meridian, Arizona, is as follows:

The north boundary (5th Standard Parallel North) was surveyed in 1872 by Omar H. Case, Deputy Surveyor, and resurveyed in 1911 by Jesse B. Wright, U.S. Surveyor. The south, east and west boundaries were surveyed in 1916 by Howard G. Mason, U.S. Transitman. The subdivisional lines were surveyed in 1916 by Mans H. Coffin, Jr., and Howard G. Mason, U.S. Transitmen.

The following notes describe the dependent resurvey of a portion of the east boundary, a portion of the subdivisional lines and the survey of subdivisions in section 12, including Lot 1, of Township 20 North, Range 16 West, Gila and Salt River Meridian, Arizona.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 610, Arizona, dated April 18, 1979.

The directions of lines were determined by direct solar observations, verified by observations of Polaris and refer to the true meridian. Distances were measured with an H.P. 3805A.

Preliminary to the survey the lines of previous surveys were retraced and all needed corners were found. The retracement data were thoroughly verified and only the true line field notes are given herein.

The geographic position of the corner of secs. 7, 12, 13 and 18, on the east boundary of the township, as scaled from the quadrangle map "HUALAPAI PEAK, ARIZ.," published by the U.S. Geological Survey in 1968, is as follows:

Latitude 35°07.4' N. Longitude 113°54.9' W.

The mean magnetic declination is 15° E.

Dependent Resurvey of a Portion of the E. Bdy. of
T. 20 N., R. 16 W., Gila and Salt River Mer., Arizona

(Restoring the 1916 survey by Howard G. Mason)

Beginning at the cor. of secs. 7, 12, 13 and 18, on the E bdy. of the Tp., monumented with an iron post, 3 ins. diam., projecting 26 ins. above ground, with brass cap mkd. as described in the official record of the 1916 survey.

N. 0°04' E., bet. secs. 7 and 12.

Over rugged mountainous terrain, through scattering timber and dense undergrowth.

12.00 Hualapai Mountain Road, asphalt surfaced, bears SE and NW, scaled.

39.97 The 1/4 sec. cor. of secs. 7 and 12, monumented with an iron post, 1 in. diam., projecting 8 ins. above a mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd. as described in the official record of the 1916 survey.

Dependent Resurvey of a Portion of the E. Bdy. of
T. 20 N., R. 16 W., Gila and Salt River Mer., Arizona

CHAINS	
40.15	<p>N. 0°02' E., beginning new measurement.</p> <p>The cor. of secs. 1, 6, 7 and 12, monumented with an iron post, 3 ins. diam., projecting 24 ins. above ground, with brass cap mkd. as described in the official record of the 1916 survey.</p> <p>Cor. is located 4 lks. S of a fence cor., from which fences extend N and E.</p>
40.14	<p>Dependent Resurvey of a Portion of the Subdivisional Lines, T. 20 N., R. 16 W., Gila & Salt River Mer., Ariz.</p> <p>(Restoring the 1916 survey by Mans H. Coffin, Jr., and Howard G. Mason)</p> <p>From the cor. of secs. 7, 12, 13 and 18, on the E bdy. of the Tp.</p> <p>N. 89°40' W., bet. secs. 12 and 13.</p> <p>Over rugged mountainous terrain, through scattering timber and dense undergrowth.</p> <p>The 1/4 sec. cor. of secs. 12 and 13, monumented with an iron post, 1 in. diam., projecting 15 ins. above a mound of stone, 3 ft. base, 1 ft. high, with brass cap mkd. as described in the official record of the 1916 survey.</p> <p>from which</p> <p style="padding-left: 40px;">A pinyon pine, 10 ins. diam., bears S. 77° W., 40 lks. dist., mkd. 1/4 S13 BT.</p> <p>Add the marks T20N R16W 1979 to the brass cap.</p>
40.04	<p>From the 1/4 sec. cor. of secs. 11 and 12, monumented with an iron post, 1 in. diam., projecting 16 ins. above ground, with brass cap mkd. as described in the official record of the 1916 survey.</p> <p>N. 0°01' W., bet. secs. 11 and 12.</p> <p>Over rugged mountainous terrain, through scattering timber and dense undergrowth.</p>
40.04	<p>The cor. of secs. 1, 2, 11 and 12, monumented with an iron post, 3 ins. diam., projecting 6 ins. above a mound of stone, 3½ ft. base, 2 ft. high, with brass cap mkd. as described in the official record of the 1916 survey.</p>
30.00	<p>From the cor. of secs. 1, 6, 7 and 12, on the E bdy. of the Tp.</p> <p>N. 89°49' W., bet. secs. 1 and 12.</p> <p>Over rugged mountainous terrain, through scattering timber and dense undergrowth.</p>
30.00	<p>Hualapai Mountain Road, asphalt surfaced, bears SE and NW, scaled.</p>
39.30	<p>Graded road, bears N. 20° W. and S. 20° E., about 100 lks. dist. to a house.</p>

Dependent Resurvey of a Portion of the Subdivisional
Lines, T. 20 N., R. 16 W., Gila and Salt River Mer., Arizona

CHAINS							
39.72	<p>The 1/4 sec. cor. of secs. 1 and 12, monumented with an iron post, 1 in. diam., projecting 14 ins. above ground, with brass cap mkd. as described in the official record of the 1916 survey. This cor. also functions as Cor. No. 1 of Lot 1 in sec. 12. Add marks to the brass cap to read.</p> <div style="text-align: center;"> <p>T20N R16W</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 0 5px;">1</td> <td style="padding: 0 5px;">S</td> <td style="padding: 0 5px;">1</td> </tr> <tr> <td style="padding: 0 5px;">4</td> <td style="padding: 0 5px;">S</td> <td style="padding: 0 5px;">12</td> </tr> </table> <p>Lot 1 Cor. 1</p> <p style="margin-left: 100px;">1979 1916</p> </div> <p>from which</p> <p style="text-align: center;">A granite boulder, 5 x 3 x 3 ft. above ground, bears N. 8° E., 10.5 lks. dist., mkd. X on top.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 89°59' W., beginning new measurement.</p> <p>Over rugged mountainous terrain, through scattering timber and dense undergrowth.</p>	1	S	1	4	S	12
1	S	1					
4	S	12					
.10	A creek, with a stream of water, 10 lks. wide, 1 ft. deep, course NW.						
.60	Intersect the center of the E side of a house, 30 x 14 ft., long side bears SE and NW.						
2.70	Point for Cor. No. 2 of Lot 1, sec. 12, hereinafter described.						
40.20	The cor. of secs. 1, 2, 11 and 12.						
<p>Subdivision of Sec. 12, T. 20 N., R. 16 W., Gila and Salt River Mer., Arizona</p>							
<p>From the 1/4 sec. cor. of secs. 12 and 13.</p>							
<p>N. 0°21' E., on the N and S center line of sec. 12.</p>							
<p>Over rugged mountainous terrain, through scattering timber and dense undergrowth.</p>							
38.80	Spur, slopes easterly.						
39.85	<p>Point for the center 1/4 sec. cor. of sec. 12, at intersection with the E and W center line of sec. 12.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 6 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base, 16 ins. high, with brass cap mkd.</p> <div style="text-align: center;"> <p>T20N R16W</p> <p>C 1/4 S12</p> <p>1979</p> </div> <p>from which</p> <p style="text-align: center;">A pinyon pine, 12 ins. diam., bears S. 65½° E., 43 lks. dist., mkd. C 1/4 S12 BT.</p>						

Subdivision of Sec. 12,
T. 20 N., R. 16 W., Gila and Salt River Mer., Arizona

CHAINS	
	<p>A pinyon pine, 5 ins. diam., bears N. 82° W., 31 lks. dist., mkd. C 1/4 S12 BT.</p>
76.86	Point for Cor. No. 3 of Lot 1, sec. 12, hereinafter described.
79.90	A creek, with a stream of water, 10 lks. wide, 1 ft. deep, course NW.
80.01	The 1/4 sec. cor. of secs. 1 and 12.
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	<p>From the 1/4 sec. cor. of secs. 7 and 12, on the E bdy. of the Tp. N. 89°50' W., on the E and W center line of sec. 12. Over rugged mountainous terrain, through scattering timber and dense undergrowth.</p>
16.00	Hualapai Mountain Road, asphalt surfaced, bears SE and NW, scaled.
39.94	The center 1/4 sec. cor. of sec. 12.
42.20	Spur, slopes N.
57.80	Spur, slopes N, curving NW.
58.80	Fence, bears S. 30° E. and N. 30° W.
79.89	The 1/4 sec. cor. of secs. 11 and 12.
<hr/>	
<p>Survey of Lot 1, Sec. 12, T. 20 N., R. 16 W., Gila and Salt River Mer., Arizona</p>	
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	<p>From Cor. No. 1 of Lot 1, sec. 12, identical with the 1/4 sec. cor. of secs. 1 and 12. S. 89°59' W., on line 1-2 of Lot 1, identical with the line bet. secs. 1 and 12. Over rugged mountainous terrain, through scattering timber and dense undergrowth. Topography omitted.</p>
2.70	<p>Point for Cor. No. 2 of Lot 1, sec. 12. Set an iron post, 28 ins. long, 2½ ins. diam., 14 ins. in the ground, to solid rock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p>
	<p>T20N R16W S 1 Cor. 2 S12 Lot 1 1979</p>
	<p>from which A pinyon pine, 9 ins. diam., bears S. 8° E., 56 lks. dist., mkd. COR 2 LOT 1 S12 BT.</p>

Survey of Lot 1, Sec. 12,
T. 20 N., R. 16 W., Gila and Salt River Mer., Arizona

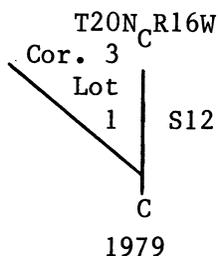
CHAINS

S. $40^{\circ}26'$ E., on line 2-3 of Lot 1, sec. 12.

Over mountainous terrain through scattering timber and dense undergrowth.

4.14 Point for Cor. No. 3 of Lot 1, sec. 12, on the N and S center line of the sec.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.



from which

A juniper, 12 ins. diam., bears S. $8\frac{1}{2}^{\circ}$ W.,
94 lks. dist., mkd. COR 3 LOT 1 S12 BT.

A pinyon pine, 10 ins. diam., bears S. 66° W.,
70 lks. dist., mkd. XBT.

The NW cor. of a new pump house,
4 x 6 ft., bears N. 69° E., 10 lks. dist.,
long side, bears S. 50° W.

The SW cor. of a pump house, 8 ft. square,
bears N. 21° W., 18.5 lks. dist., one
side bears N. 60° E.

N. $0^{\circ}21'$ E., on line 3-1 of Lot 1, identical with the N and S center line of sec. 12.

Over mountainous terrain, through scattering timber and dense undergrowth.

Topography omitted.

3.15 Cor. No. 1 of Lot 1, sec. 12 and place of beginning.

GENERAL DESCRIPTION

The area surveyed within T. 20 N., R. 16 W., is about 8 miles SE of Kingman, Arizona. The land is rugged and mountainous with the elevation ranging from about 6,000 to about 4,900 feet above sea level. The soil is shallow and rocky with massive boulders through most of the area.

The timber consists of pinyon pine and juniper. The entire area is thickly covered with oak brush and cacti, with manzanita in the higher elevations.

Acess is provided by Hualapai Mountain Road, asphalt surfaced, which passes through the east 1/2 of section 12.

Houses are located in the northeast 1/4 of the section.

There is no evidence of minerals or mining activity in the area.

CHAINS		
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CERTIFICATE OF SURVEY

(I) ~~(We)~~, Harry K. Smith, Cadastral Surveyor, HEREBY
 CERTIFY upon honor that, in pursuance of special instructions bearing date of the 18th day
 of April, 19 79, (I) ~~(We)~~ have dependently resurveyed a portion of
 the east boundary, a portion of the subdivisional lines, and surveyed
 subdivisions in section 12, including Lot 1, of Township 20 North,
 Range 16 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), ~~(us)~~ and under (my)
~~(our)~~ direction; and that said survey has been made in strict conformity with said special instruc-
 tions, 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.

December 7, 1979

(Date)



(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
 Denver, Colorado

The foregoing field notes of the dependent resurvey of a portion of the east boundary,
 a portion of the subdivisional lines, and the survey of subdivisions in
 section 12, including Lot 1, of T. 20 N., R. 16 W., of the Gila and Salt River
 Meridian, Arizona,

executed by Harry K. Smith, Cadastral Surveyor,

having been critically examined and found correct, are hereby approved.

MAR 28 1980

(Date)

ACTING



 (Chief, Cadastral Survey Examination and Approval Staff)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
 , is a true copy of the original field notes.

(Date)

(Chief, Cadastral Survey Examination and Approval Staff)