

ORIGINAL

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FIELD NOTES  
OF THE  
DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY  
AND  
A PORTION OF THE SUBDIVISIONAL LINES  
AND  
A METES-AND-BOUNDS SURVEY IN SECTION 1  
TOWNSHIP 20 NORTH, RANGE 16 WEST,  
OF THE GILA AND SALT RIVER MERIDIAN,  
IN THE STATE OF ARIZONA.

**EXECUTED BY**

**Geoffrey A. Graham, Cadastral Surveyor**

Under Special Instructions dated August 8, 2005, approved August 8, 2005, which provided for the surveys included under Group No. 967, and assignment instructions dated August 8, 2005.

**Survey commenced August 8, 2005**

**Survey completed August 10, 2005**

**INDEX DIAGRAM**

TOWNSHIP 20 NORTH                  RANGE 16 WEST  
GILA AND SALT RIVER MERIDIAN, ARIZONA

6	5	4	3	2	1 4 6
7	8	9	10	11	12 4
18	17	16	15	14	13
19	20	21	22	23	24
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**T. 20 N., R. 16 W., Gila and Salt River Meridian, Arizona**

CHAINS

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

The history of surveys pertaining to this survey is as follows:

In 1915 and 1916, Mans H. Coffin, Jr. and Howard G. Mason surveyed the east boundary and the subdivisional lines. In 1979, Harry K. Smith dependently resurveyed a portion of the east boundary, a portion of the subdivisional lines, and the subdivision of section 12.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated August 8, 2005, for Group No. 967, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 5700 and 5800 model receivers.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from Global Positioning System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) NVLK A M SMITH WTF CORS ARP, KING KINGMAN COS ARP, AND FERN FERNO MESA CORS ARP. The NAD 83 (CORS96)(EPOCH:2002), geographic position of the corner of sections 1, 6, 7 and 12, T. 20 N., Rs. 15 and 16 W., is as follows:

Latitude: 35°08'16.80" N.                      Longitude: 113°54'55.29" W.

The mean magnetic declination is 12 1/4° E.

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**Dependent Resurvey of a Portion of the East Boundary,  
T. 20 N., R. 16 W., Gila and Salt River Meridian, Arizona**

CHAINS

Restoring the resurvey executed by  
Harry K. Smith, in 1979

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Beginning at the 1/4 sec. cor. of secs. 7 and 12, T. 20 N., Rs. 15 and 16 W., monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above a supporting mound of stone, 4 ft. base, 3 ft. high, with brass cap mkd. 1/4 S12 S7 1916.

Add the marks T20N R16W R15W 2005 to the brass cap.

N. 0°12' E., bet. secs. 7 and 12, on the E. bdy. of the Tp.

40.05

Point for the cor. of secs. 1, 6, 7 and 12, determined at proportionate distance-distance intersection from local subdivision lot corners, based on the Amended Subdivision Map of McLane's Hualapai Mountain Estates, recorded August 10, 1965 with Mohave County Recorders Office.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

T 20 N	
R 16 W	R 15 W
S 1	S 6
S 12	S 7

2005

Deposit a magnet in a white plastic case at the base of the stainless steel post.

From this cor., the cor. of lots 1 and 2, block 1, of the McLane's Hualapai Mountain Estates Subdivision, monumented with an open end iron pipe, 3/4 in. diam., firmly set, projecting 6 ins. above the ground, bears S. 89°40' E., 1.89 chs. dist.

From this same cor., the SE cor. of lot 4, block 1, of the McLane's Hualapai Mountain Estates Subdivision, monumented with an open end iron pipe, 3/4 in. diam., firmly set, projecting 5 ins. above the ground, bears S. 89°40' E., 13.75 chs. dist.

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Restoring the survey executed by  
Mans H. Coffin, Jr. and Howard G. Mason, in 1916

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From the cor. of secs. 1, 6, 7 and 12.

N. 0°19' W., bet. secs. 1 and 6, on the E. bdy. of the Tp.

**Dependent Resurvey of a Portion of the East Boundary,  
T. 20 N., R. 16 W., Gila and Salt River Meridian, Arizona**

CHAINS	
9.84	The cor. of lots 5 and 6, block 2, of the McLane's Hualapai Mountain Estates Subdivision, monumented with an open end iron pipe, 3/4 in. diam., firmly set, projecting 1 in. above the ground.
12.42	Intersect southern wall of carport, S. 84° W., 8 lks. dist., from SE corner of structure, 22 X 21 ft., with walls extending N. 6° E. and S. 84° W.
12.74	Northerly wall of same carport, S. 84° W., 5.3 lks. dist., from NE corner of structure.
13.03	From this point, the SE corner of two side by side storage sheds, each 12 X 12 ft. square, with walls extending S. 86° W. and N. 4° W., bears West, 6.2 lks. dist.
15.90	The cor. of lots 3 and 4, block 2, of the McLane's Hualapai Mountain Estates Subdivision, monumented with an open end iron pipe, 3/4 in. diam., firmly set, projecting 1 in. above the ground.
21.76	Point for AP 4, hereinafter described.
26.31	Point for AP 1, hereinafter described.
27.84	Intersect the north right-of-way of D. W. Ranch Road, as recorded in Book 909 of Official Records Page 248, Mohave County Recorder's Office, monumented with a galvanized iron pipe, 2 1/2 ins. diam., firmly set flush with the ground, with a threaded galvanized iron end cap mkd. MO CO DEPT ENG R/W POSL POT 24+88.58 1983 RLS 13023.
	From this point, a point of tangency on the north right-of-way of D. W. Ranch Road, as recorded in Book 909 of Official Records Page 248, Mohave County Recorder's Office, monumented with a galvanized iron pipe, 2 1/2 ins. diam., firmly set, projecting 6 ins. above the ground, with a threaded galvanized iron end cap mkd. MO CO DEPT ENG R/W PT 20+25.38 1983 RLS 13023, bears S. 82°04' W., 7.12 chs. dist.
39.91	The 1/4 sec. cor. of secs. 1 and 6, monumented with an iron post, 1 in. diam., firmly set, projecting 7 ins. above the ground, with brass cap mkd. 1/4 S1 S6 1916.  Add the marks T20N R16W R15W 2005 to the brass cap.  Cor. is located at corner of chain-link fence, set in concrete, fences bear N. and N. 65° E.

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

CHAINS

Restoring the resurvey executed by  
Harry K. Smith, in 1979

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From the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp.  
N. 89°41' W., bet. secs. 1 and 12.

39.82

The 1/4 sec. cor. of secs. 1 and 12, not monumented, determined  
at record bearing and distance from the 1979 accessory

A white granite boulder, 5 X 3 X 3 ft., mkd. with a cross  
4 X 4 ins., bears N. 8° E., 10.5 lks. dist.

From this cor. point, cor. No. 2, Lot 1, sec. 12, monumented  
with an iron post, 2 1/2 ins. diam., firmly set, projecting 8  
ins. above an embedded mound of stone, 3 1/2 ft. diam., with  
brass cap mkd. T20N R16W S1 S12 COR2 LOT1 1979., bears  
N. 89°57' W., 2.71 chs. dist.

From this same cor. point, cor. No. 3, Lot 1, sec. 12,  
monumented with an iron post, 2 1/2 ins. diam., firmly set flush  
in the ground, with brass cap mkd. T20N R16W COR3 LOT1 S12 1979,  
bears S. 0°26' W., 3.15 chs. dist.

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**Metes-and-Bounds Survey in Section 1,  
T. 20 N., R. 16 W., Gila and Salt River Meridian, Arizona**

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From the point for AP 1, determined at bearing-bearing  
intersection of the south right-of-way of D. W. Ranch Road as  
recorded in Book 909 of Official Records Page 248, Mohave County  
Recorder's Office, and the E. bdy. of the Tp.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,  
flush with the ground, with brass cap mkd.

T 20 N  
R 16 W R 15 W

S 1 | S 6  
AP 1 |

2005

Deposit a magnet in a white plastic case at the base of the  
stainless steel post.

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S. 82°04' W., on line 1-2 along the south right-of-way of D. W.  
Ranch Road.

**Metes-and-Bounds Survey in Section 1,  
T. 20 N., R. 16 W., Gila and Salt River Meridian, Arizona**

CHAINS	
3.06	<p>Point for AP 2,</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;">T 20 N R 16 W</p> <p style="text-align: center;">S 1   AP 2</p> <p style="text-align: center;">2005</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Cor. is located 24 lks. S. of cut bank for D. W. Ranch Road.</p> <p>From this point, a point of tangency on the south right-of-way of D. W. Ranch Road, as recorded in Book 909 of Official Records Page 248, Mohave County Recorder's Office, monumented with an iron reinforcement rod, 5/8 in. diam., firmly set 14 ins. below the ground, with an aluminum cap, 2 ins. diam., mkd. MOHAVE COUNTY DEPT ENG R/W PT 20+25.38 RLS 13023, bears S. 82°04' W., 3.86 chs. dist. Located on steep slope of road cut.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 0°19' E., on line 2-3, parallel to the E. bdy. of the Tp.</p>
4.11	<p>Point for AP 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> <p style="text-align: center;">T 20 N R 16 W</p> <p style="text-align: center;">S 1   AP 3</p> <p style="text-align: center;">2005</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 89°41' E., on line 3-4, parallel with the section line bet. secs. 1 and 12.</p>
3.03	<p>Point for AP 4, determined on the E. bdy. of the Tp., 4.55 chs. south of the south right-of-way of D. W. Ranch Road.</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 in Section 1,  
T. 20 N., R. 16 W., Gila and Salt River Meridian, Arizona

CHAINS

T 20 N  
R 16 W R 15 W

AP 4 | S 6  
S 1 |

2005

Deposit a magnet in a white plastic case at the base of the stainless steel post.

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N. 0°19' W., on line 4-1, on the E. bdy. of the Tp.

4.55

AP 1, hereinbefore described.

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GENERAL DESCRIPTION

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This survey was conducted to identify a lot for lease under the Recreation and Public Purpose Act, for an expanded use by a rural volunteer fire station. Access is off of D. W. Ranch Road which forms the northerly boundary of this parcel. D. W. Ranch Road is reached from either Interstate 40 east of Kingman Arizona, or off of Hualapai Mountain Road heading southeast out of Kingman. Further access is via a combination subdivision roads and jeep trails. Section 6 of the adjoining township has been subdivided and is occupied.

Elevations range from 4800 to 5300 ft. above sea level. The terrain is rolling foothills at the base of the Hualapai Mountains, with moderate to dense vegetation typical of the high desert chaparral.

The mean magnetic declination of 12 1/4° E. was derived from the National Geophysical Data Center's magnetic declination calculator, GEOMAG V4.0, utilizing the International Geomagnetic Reference Field model for years 2000 through 2005, for the dates of survey.

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