

ORIGINAL

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

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY,

A PORTION OF THE SUBDIVISIONAL LINES

AND A PORTION OF THE SUBDIVISION OF SECTION 7,

THE SUBDIVISION OF SECTION 18

AND METES-AND-BOUNDS SURVEYS

IN SECTIONS 7 AND 18

**TOWNSHIP 39 NORTH, RANGE 7 EAST,**

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

**EXECUTED BY**

**Geoffrey A. Graham and Craig S. Dukart, Cadastral Surveyors**

Under Special Instructions dated July 28, 2008, approved July 28, 2008, Supplemental Special Instructions dated September 3, 2008, approved September 3, 2008, and Supplemental Special Instructions dated May 24, 2010, approved May 24, 2010, which provide for the surveys included under Group No. 1052, and assignment instructions dated July 28, 2008 and May 24, 2010.

**Survey commenced August 25, 2008**

**Survey completed June 3, 2010**

**INDEX DIAGRAM**

**TOWNSHIP 39 NORTH                      RANGE 7 EAST**  
**GILA AND SALT RIVER MERIDIAN, ARIZONA**

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**T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona**

CHAINS

The following field notes describe the dependent resurvey of a portion of the west boundary, a portion of the subdivisional lines and a portion of the subdivision of section 7, the subdivision of section 18 and metes-and-bounds surveys in sections 7 and 18, Township 39 North, Range 7 East, Gila and Salt River Meridian, Arizona.

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

William E. Heister surveyed the west boundary in 1926. Earl L. Siebecker subdivided the township in 1930. Duane R. Garoutte dependently resurveyed a portion of the subdivisional lines, subdivided section 7 and executed a metes-and-bounds survey in section 7 in 1985. Clyde J. King, further subdivided section 7 and executed an additional metes-and-bounds survey in section 7 in 1993.

The survey of Tract 37, as described in these field notes, was executed to facilitate a potential land exchange. Presently, a northern portion of Tract 37, approximately 22.43 acres, is within the Paria Canyon-Vermillion Cliffs Wilderness, as defined on the original official map, dated 1986, and in the legal description certified by the State Director, Arizona, September 18, 1986 and the State Director, Utah, September 29, 1986. Prior to the finalization of the Land Exchange, the Bureau of Land Management proposes an adjustment to the Wilderness Boundary to coincide with the northern boundary of Tract 37 as surveyed here within. This boundary adjustment will be in accordance with provisions set forth in the "Arizona Wilderness Act of 1984", Public Law 98-406.

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, the Special Instructions dated July 28, 2008, and Supplemental Special Instructions dated September 3, 2008 for Group Number 1052, Arizona.

The true meridian direction and length of all lines were determined by static and 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.

## T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Geodetic control was derived from Global Positioning System (GPS) static observations post processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) AI8805 FREDONIA, AI8820 FERNO MESA and DJ8981 FLAGSTAFF 5. The NAD 83 (1996), geographic position of the 1/4 section corner of sections 7 and 18, is as follows:</p>
	<p>Latitude: 36°47'14.67" N.                      Longitude: 111°41'10.38" W.</p>
	<p>The mean magnetic declination is 11 3/4° E.</p>
	<hr/> <p style="text-align: center;"><b>Dependent Resurvey of a Portion of the West Boundary, T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona</b></p> <hr/>
	<p style="text-align: center;">Restoring the survey executed by William E. Hiester, in 1926</p> <hr/>
	<p>Beginning at the cor. of secs. 13, 18, 19 and 24 on the W. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above a mound of stone, 4 ft. base, 1 ft. high, with brass cap mkd. T39N R6E R7E S13 S18 S24 S19 1926.</p>
	<p>Rebuild mound of stone 4 ft. base 1 1/2 ft. high.</p>
	<p>N. 0°02' W., bet. secs. 13 and 18 on the W. bdy. of the Tp.</p>
39.99	<p>True point for the 1/4 sec. cor. of secs. 13 and 18. Point falls in wash, 10 lks. wide, drains NE, where it is impracticable to set a permanent monument.</p>
40.49	<p>Witness cor. for the 1/4 sec. cor. of secs. 13 and 18, monumented with an iron post, 1 in. diam., firmly set, projecting 4 ins. above the ground, in a collar of stone, with brass cap mkd. 1/4 S13 S18 WC 1926.</p> <hr/>
	<p>N. 0°04' W., beginning new measurement.</p>
19.48	<p>Point for the N. 1/16 sec. cor. of secs. 13 and 18, not monumented.</p>
39.46	<p>The cor. of secs. 7, 12, 13 and 18, monumented with an iron post, 2 ins. diam., loosely set, projecting 12 ins. above the ground, broken off 8 ins. below the ground, with brass cap mkd. T39N R6E R7E S12 S7 S13 S18 1926, with a scattered accessory mound of stone W. of the cor.</p>
	<p>At the corner point</p>

**Dependent Resurvey of a portion of the West Boundary,  
T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona**

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T 39 N	
R 6 E	R 7 E
S 12	S 7
S 13	S 18

2008

Deposit the 20 ins. long rusted remains of the iron post with brass cap inside of, the other concrete remains alongside of and a magnet, in a white plastic case, at the base of the stainless steel post.

Rebuild accessory mound of stone 3 ft. base, 2 ft. high W. of the cor.

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N. 0°01' W., bet. secs. 7 and 12 on the W. bdy. of the Tp.

0.757

Point for a witness point on the W. bdy. of the Tp.

Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with aluminum cap mkd.

WP	
T39N	
R6E	R7E
PCVCW	
VCNM	/
S 12	S 7

2010

Deposit a magnet, in a white plastic case, at the base of the alum. post.

Raise a mound of stone, 3 ft, base, 2 ft. high, W. of witness point.

Set a steel "T-Post" fence post near cor.

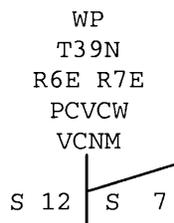
9.632

Point for a witness point on the W. bdy. of the Tp.

Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with aluminum cap mkd.

**Dependent Resurvey of a portion of the West Boundary,  
T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona**

CHAINS



2010

Deposit a magnet, in a white plastic case, at the base of the alum. post.

Set a steel "T-Post" fence post near cor.

39.97

The 1/4 sec. cor. of secs. 7 and 12, monumented with an iron post, 1 in. diam., firmly set, projecting 6 ins. above a supporting mound of stone, 3 ft. base, 2 1/2 ft. high, with brass cap mkd. 1/4 S12 S7 1926.

Add the marks T39N R6E R7E 2008 to the brass cap.

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**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona**

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Restoring the survey executed by  
Karl L. Siebecker in 1930  
and the resurvey executed by  
Duane R. Garoutte in 1985

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From the 1/4 sec. cor. of secs. 18 and 19, monumented with an iron post, 1 in. diam., firmly set, projecting 4 ins. above a supporting mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd. S18 1/4 S19 1930.

Add the marks T39N R7E 2008 to the brass cap.

N. 89°53' W., bet. secs. 18 and 19.

38.66

The cor. of secs. 13, 18, 19 and 24 on the W. bdy. of the Tp.

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From the W-E 1/64 sec. cor. of secs. 7 and 18, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 1 in. above the ground, with brass cap mkd. T39N R7E S7 W E 1/64 S18 1993 1985.

Add the marks 2008 to the brass cap.

N. 89°55' W., bet. secs. 7 and 18.

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona**

CHAINS	
5.77	The center line of the right-of-way of U.S. Highway 89A, hereinafter described.
9.99	The 1/4 sec. cor. of secs. 7 and 18, monumented with an iron post, 1 in. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. S7 1/4 S18 1930.
	Add the marks T39N R7E 2008 to the brass cap.
	Cor. is located at a break in fence along the S. alignment of Badger Creek Road, gravel surfaced, 21 ft. wide, bears E. and W., and at the E. side of entrance to Moki Mac River Expeditions.
	<hr/> N. 89°56' W., bet. secs. 7 and 18, beginning new measurement.
23.73	Point for AP 6, Tract 37, hereinafter described.
38.60	The cor. of secs. 7, 12, 13 and 18, on the W. bdy. of the Tp.
	<hr/> <b>Dependent Resurvey of a Portion of the Subdivision of Section 7, T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona</b> <hr/>
	<hr/> Restoring the surveys executed by Duane R. Garoutte in 1985 and Clyde J. King in 1993 <hr/>
	From the center W-W-SE 1/256 sec. cor. of sec. 7, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, 1 in. below the ground, with brass cap mkd. T39N R7E S7 C-W-W-SE 1/256 1993 1985.
	Add the marks 2008 to the brass cap.
	N. 89°56' W., on a portion of the E. and W. center line of the SE 1/4 sec. 7.
2.495	The 1/1024 sec. cor., on the E. and W. center line of the SE 1/4 of sec. 7, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above the ground, with brass cap mkd. T39N R7E S7 1/1024 1993.
	Add the marks 2008 to the brass cap. <hr/>

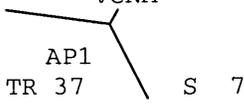
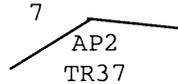
**Dependent Resurvey of a Portion of the Subdivision of Section 7,  
T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>From the 1/1024 sec. cor. on the N. and S. center line of the SW 1/4 of the SE 1/4 of sec. 7, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. T39N R7E 1/1024 1993.</p>
	<p>Add the marks 2008 to the brass cap.</p>
	<p>N. 89°54' W., on the E. and W. center line of the NE 1/4 of the SW 1/4 of the SE 1/4 of the SE 1/4 of sec. 7.</p>
2.148	<p>Point for AP 8, Tract 37, at intersection with the center line of the right-of-way of U.S. Highway 89A, hereinafter described.</p>
2.575	<p>The witness point on the E. and W. center line of the NE 1/4 of the SW 1/4 of the SW 1/4 of the SE 1/4 of sec. 7, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, 24 ins. below the ground, with brass cap mkd. WP T39N R7E S7 1993.</p>
	<hr/> <p>N. 89°54' W., beginning new measurement.</p>
2.417	<p>The 1/1024 sec. cor. on the N. and S. center line of the SW 1/4 of the SW 1/4 of the SE 1/4 of sec. 7, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above the ground, with brass cap mkd. T39N R7E S7 1/1024 1993.</p>
	<p>Add the marks 2008 to the brass cap.</p>
	<hr/> <p>N. 89°54' W., beginning new measurement, on a portion of the E. and W. center line of the NW 1/4 of the SW 1/4 of the SW 1/4 of the SE 1/4 sec. 7.</p>
2.497	<p>The 1/1024 sec. cor. on the N. and S. center line of the NW 1/4 of the SW 1/4 of the SW 1/4 of the SE 1/4 of sec. 7, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground in a collar of stone, with brass cap mkd. T39N R7E S7 1/1024 1993.</p>
	<p>Add the marks 2008 to the brass cap.</p>
	<hr/> <p>N. 0°08' W., on a portion of the N. and S. center line of the NW 1/4 of the SW 1/4 of the SW 1/4 of the SE 1/4 of sec. 7.</p>
2.498	<p>The 1/1024 sec. cor. on the E. and W. center line of the SW 1/4 of the SE 1/4 of sec. 7, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. T39N R7E S7 1/1024 1993.</p>
	<p>Add the marks 2008 to the brass cap.</p>

**Dependent Resurvey of a Portion of the Subdivision of Section 7,  
T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona**

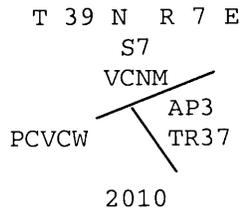
CHAINS	
	Cor. is located 3 lks. S. of a fence, bears E. and W.
	N. 0°08' W., on the N. and S. center line of the W 1/2 of the NW 1/4 of the SW 1/4 of the SE 1/4 of sec. 7.
9.994	The 1/1024 sec. cor. on the E. and W. center line of the SE 1/4 of sec. 7.
	<b>Subdivision of Section 18, T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona</b>
	From the 1/4 sec. cor. of secs. 18 and 19
	N. 0°05' W., on the N. and S. center line of sec. 18.
40.01	Point for the center 1/4 sec. cor. of sec. 18, at intersection with the E. and W. center line. Point not monumented.
60.00	Point for the center N. 1/16 sec. cor. of sec. 18. Point not monumented.
71.21	Point for AP 7, Tract 37, determined at the center of the right-of-way for U.S. Highway 89A, hereinafter described.
79.99	The 1/4 sec. cor. of secs. 7 and 18.
	From the 1/4 sec. cor. of secs. 17 and 18, monumented with an iron post, 1 in. diam., firmly set, projecting 6 ins. above a supporting mound of stone, 5 ft. base, 2 1/2 ft. high, with brass cap mkd. 1/4 S18 S17 1930.
	From this cor., a mound of stone 4 ft. base, 3 ft. high, bears N. 0°32' W., 99 lks. dist., located on the S. rim of the N. fork of Badger Canyon, bears S. and W.
	N. 89°55' W., on the E. and W. center line of sec. 18.
39.97	Point for the center 1/4 sec. cor. of sec. 18.
78.59	True point for the 1/4 sec. cor. of secs. 13 and 18, on the W. bdy. of the Tp.
	<b>Metes-and-Bounds Survey of Tract 37, in Sections 7 and 18, T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona</b>
	From the center W-W-SE 1/256 sec. cor. of sec. 7.

Metes-and-Bounds Survey of Tract 37, in Sections 7 and 18,  
T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona

<p>CHAINS</p>	<p>N. 41°20' W., on the northeasterly bdy. of Tract 37.</p> <p>2.74 Point for AP 1, Tract 37, at intersection with the westerly right-of-way of the City of Page power line, identical with a point on the boundary of the Paria Canyon-Vermillion Cliffs Wilderness.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 39 N R 7 E PCVCW / VCNM</p>  <p>AP1 TR 37 S 7</p> <p>2008 2010</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the aluminum post.</p> <hr style="width: 30%; margin: auto;"/> <p>N. 84°04' W., on line 1-2, Tract 37.</p> <p>7.82 Point for AP 2, Tract 37.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, in a collar of stone, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 39 N R 7 E PCVCW VCNM</p>  <p>S 7 AP2 TR37</p> <p>2008 2010</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the aluminum post.</p> <hr style="width: 30%; margin: auto;"/> <p>S. 56°35' W., on line 2-3, Tract 37.</p> <p>2.60 Track road, dirt, 7 ft. wide, bears S. 45° E., and N. 50° W.</p> <p>3.525 Point for AP 3, Tract 37.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with aluminum cap mkd.</p>
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Metes-and-Bounds Survey of Tract 37, in Sections 7 and 18,  
T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS



Deposit a magnet, in a white plastic case, at the base of the aluminum post.

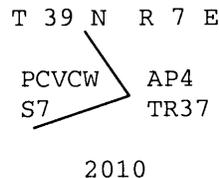
Set a galvanized steel "U-Post" fence post near cor.

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S.  $47^{\circ}05'$  E., on line 3-4, Tract 37.

7.293 Point for AP 4, Tract 37.

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



Deposit a magnet, in a white plastic case, at the base of the aluminum post.

Set a steel "T-Post" near cor.

From this point the witness point on the N-S centerline of section 7 on the northerly right-of-way line of the power line which is the Vermillion Cliffs Wilderness Area bdy., bears N.  $67^{\circ}24'$  E., 2.386 chs. dist., monumented with an alum. post, 1 in. diam., firmly set, flush with the ground, with alum. cap mkd. T39N R7E C WP S7 C 1985. Add the marks 2010 to the alum. cap.

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S.  $67^{\circ}24'$  W., on line 4-5, Tract 37.

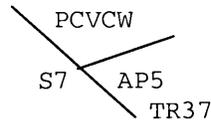
28.026 Point for AP 5, Tract 37.

Set an aluminum post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 26 ins. in the ground, with aluminum cap mkd.

Metes-and-Bounds Survey of Tract 37, in Sections 7 and 18,  
T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS

T 39 N R 7 E



2010

Deposit a magnet, in a white plastic case, at the base of the aluminum post.

Set a steel "T-Post" near cor.

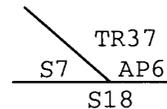
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S. 40°28' E., on line 5-6, Tract 37.

6.756 Point for AP 6, Tract 37.

Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with aluminum cap mkd.

T 39 N R 7 E



2010

Deposit a magnet, in a white plastic case, at the base of the aluminum post.

Set a steel "T-Post" near cor.

Corner is located 2 lks. south of a barbed wire fence, 6 strand, bears E. and W., and 11 lks. south of the south edge of Badger Creek Road, a dirt road, 10 ft. wide, bears E. and W.

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Note: U.S. Highway 89 A was designated in 1933 under serial number AZ PHX 086798, having a 400 ft. right-of-way. The alignment of the right-of-way for this survey was established from the remains of wood posts along the tangent from station PC 234+86.4 to PT 154+63.0 recovered along the westerly right-of-way. The center line of the right-of-way was determined at midpoint bet. the sole pair of wood post remains recovered at approximate station 230+76, just N. of Badger Creek.

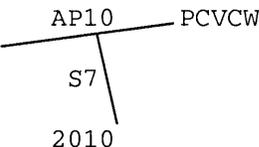
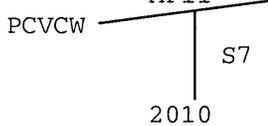
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From the point for AP 7, Tract 37, determined at intersection with the center line of the right-of-way for U.S. Highway 89A and the N. and S. center line of sec. 18.

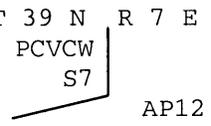
**Metes-and-Bounds Survey of Tract 37, in Sections 7 and 18,  
T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Set a cotton picker spindle gear, 4 3/4 ins. long, 1/2 in. diam., flush with asphalt surface, 30 ft. wide, bears N. 25°40' E., and S. 25°40' W.</p> <p>from which</p> <p>An aluminum post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, in a collar of stone, for a reference monument, bears S. 79°40' W., 66 ft. dist., with aluminum cap mkd. RM T39N R7E S18 66 FT TO AP 2008 and an arrow pointing to the corner. Deposit a magnet, in a white plastic case, at the base of the aluminum post.</p> <p>An aluminum post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground for a reference monument, bears N. 21°24' W., 66 ft. dist., with aluminum cap mkd. RM T39N R7E S18 66 FT TO AP 2008 and an arrow pointing to the corner. Deposit a magnet, in a white plastic case, at the base of the aluminum post.</p> <p>N. 25°40' E., on line 7-8, on the center line of the right-of-way of U.S. Highway 89A.</p>
9.73	<p>Intersect the line bet. secs. 7 and 18.</p> <p>Set a cotton picker spindle gear, 4 3/4 ins. long, 1/2 in. diam., flush with asphalt surface, 30 ft. wide.</p>
18.04	<p>Point for AP 8, Tract 37, at intersection with the E. and W. center line of the NE 1/4 of the SW 1/4 of the SW 1/4 of the SE 1/4 Tract 37.</p> <p>Set a cotton picker spindle gear, 4 3/4 ins. long, 1/2 in. diam., flush with asphalt surface, 50 ft. wide.</p>
	<hr/> <p style="text-align: center;"><b>Metes-and-Bounds Survey in Section 7, T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p>From AP 3, Tract 37.</p> <p>S. 56°35' W., along the bdy. of the Vermillion Cliffs National Monument.</p>
11.935	<p>Point for AP 9.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with aluminum cap mkd.</p> <p style="text-align: center;">T 39 N R 7 E VCNM</p>

Metes-and-Bounds Survey of Tract 37, in Sections 7 and 18,  
T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<div style="text-align: center;">  <p>AP9 2010 2008</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the aluminum post.</p> <hr/> <p>S. 77°32' W., along the bdy. of the Vermillion Cliffs National Monument.</p>
15.844	<p>Point for AP 10.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 39 N R 7 E VCNM AP10 — PCVCW</p>  <p>2010</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the aluminum post.</p> <p>Set a steel "T-Post" fence post near cor.</p>
16.10	<p>Track road, dirt, 8 ft. wide, bears S. 30° E. and N. 30° W.</p>
19.774	<p>Point for AP 11.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 39 N R 7 E VCNM AP11</p>  <p>2010</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the aluminum post.</p>
21.569	<p>Set a steel "T-Post" fence post near cor.</p> <p>A witness point on the W. bdy. of the Tp., hereinbefore described.</p> <hr/>

**Metes-and-Bounds Survey of Tract 37, in Sections 7 and 18,  
T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>From AP 11.</p> <p>South, along the bdy. of the Paria Canyon-Vermillion Cliffs Wilderness area.</p>
8.534	<p>Point for AP 12.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a collar of stone, with aluminum cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T 39 N R 7 E</p> <p>PCVCW</p> <p>S7</p>  <p>2010</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the aluminum post.</p> <p>Set a steel "T-Post" fence post near cor.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 67°23' W., along the bdy. of the Paria Canyon-Vermillion Cliffs Wilderness area.</p>
1.895	<p>A witness point on the W. bdy. of the Tp., hereinbefore described.</p> <hr style="width: 80%; margin: 10px auto;"/> <p>From AP 10.</p> <p>S. 40°28' E., along the bdy. of the Paria Canyon-Vermillion Cliffs Wilderness area.</p>
7.55	<p>AP 5, Tract 37, hereinbefore described.</p> <hr style="width: 80%; margin: 10px auto;"/>
GENERAL DESCRIPTION	
<p>The area encompassed by this survey is accessed only by U.S. Highway 89A, about 3 miles SW of the Navajo bridge crossing of the Colorado River. The Vermillion Cliffs Lodge is located in the SE 1/4 of section 7, along with the California condor reintroduction base. There is a community of homes in the N 1/2 of the NW 1/4 of section 18. The business of the area is primarily of lodging, fishing and rafting tour services to the recreational visitors of the Colorado River.</p>	

**T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona**

CHAINS

The terrain is nearly level, broken by the tributaries to the steep walled Badger Canyon Creek which in turn feeds into the Marble Canyon of the Colorado River. Elevations range from 3950 to 3710 feet above sea level.

The soil is mostly sandy loam with large areas paved with sandstone. Vegetation is typical of the Great Basin Desert Scrub, with grasses, bromes, yucca and prickly pear in evidence.

The mean magnetic declination of  $11\frac{3}{4}^{\circ}$  E. was derived from the National Geophysical Data Center's magnetic declination calculator, GEOMAG v6.0, utilizing the International Geomagnetic Reference Field Model for years 2005 through 2010, for the dates of the survey.

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**Composite Description of Tract 37 in Sections 7 and 18,  
T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona**

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The following is for informational purposes only.

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Beginning at the W-W-SE  $\frac{1}{256}$  sec. cor. on the E. and W. center line of the SE  $\frac{1}{4}$  of sec. 7;  
 thence N.  $41^{\circ}20'$  W., 2.74 chs. dist., to Angle Point 1, Tract 37;  
 thence N.  $84^{\circ}04'$  W., 7.82 chs. dist., to Angle Point 2, Tract 37;  
 thence S.  $56^{\circ}35'$  W., 3.525 chs. dist., to Angle Point 3, Tract 37;  
 thence S.  $47^{\circ}05'$  E., 7.293 chs. dist., to Angle Point 4, Tract 37;  
 thence S.  $67^{\circ}24'$  W., 28.026 chs. dist., to Angle Point 5, Tract 37;  
 thence S.  $40^{\circ}28'$  E., 6.756 chs. dist., to Angle Point 6, Tract 37;  
 thence S.  $89^{\circ}56'$  E., 23.73 chs. dist., to the  $\frac{1}{4}$  sec. cor. of secs. 7 and 18;  
 thence S.  $0^{\circ}05'$  E., 8.78 chs. dist., to Angle Point 7, sec. 18;  
 thence N.  $25^{\circ}40'$  E., 18.04 chs. dist., to Angle Point 8, Tract 37;  
 thence N.  $89^{\circ}54'$  W., 0.427 chs. dist., to the witness point on the E. and W. center line of the NE  $\frac{1}{4}$  of the SW  $\frac{1}{4}$  of the SW  $\frac{1}{4}$  of the SE  $\frac{1}{4}$  of sec. 7;  
 thence N.  $89^{\circ}54'$  W., 2.417 chs. dist., to the  $\frac{1}{1024}$  sec. cor. on the N. and S. center line of the SW  $\frac{1}{4}$  of the SW  $\frac{1}{4}$  of the SE  $\frac{1}{4}$  of sec. 7;  
 thence N.  $89^{\circ}54'$  W., 2.497 chs. dist., to the  $\frac{1}{1024}$  sec. cor. on the N. and S. center line of the NW  $\frac{1}{4}$  of the SW  $\frac{1}{4}$  of the SE  $\frac{1}{4}$  of sec. 7;  
 thence N.  $0^{\circ}08'$  W., 2.498 chs. dist., to the  $\frac{1}{1024}$  sec. cor. on the E. and W. center line of the SW  $\frac{1}{4}$  of the SE  $\frac{1}{4}$  of sec. 7;

## T. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS

thence N. 0°08' W., 9.994 chs. dist., to the 1/1024 sec. cor. on  
the E. and W. center line of the SE 1/4 of sec. 7;  
thence S. 89°56' E., 2.495 chs. dist., to the W-W-SE 1/256 sec.  
cor. on the E. and W. center line of the SE 1/4 of sec. 7.

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CERTIFICATE OF SURVEY

We, Geoffrey A. Graham and Craig S. Dukart, Cadastral Surveyors, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 28th day of July, 2008, and supplemental special instructions bearing date of the 3rd of September, 2008 and the 24th of May, 2010, we have dependently resurveyed a portion of the west boundary, a portion of the subdivisional lines and a portion of the subdivision of section 7, subdivided section 18, and surveyed metes-and-bounds surveys in sections 7 and 18, T. 39 N., R. 7 E., 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. 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, 1973, and in specific manner described in the foregoing field notes.

AUGUST 5, 2010  
(Date)

*Geoffrey A. Graham*  
(Cadastral Surveyor)

AUGUST 5, 2010  
(Date)

*Craig S. Dukart*  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the west boundary, a portion of the subdivisional lines and a portion of the subdivision of section 7, the subdivision of section 18 and metes-and-bounds surveys in sections 7 and 18, T. 39 N., R. 7 E., Gila and Salt River Meridian, in the State of Arizona, executed by Geoffrey A. Graham, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

8/19/2010  
(Date)

*Danny A. West*  
(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. 39 N., R. 7 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~\_\_\_\_\_~~  
~~(Date)~~

~~\_\_\_\_\_~~  
~~(Chief Cadastral Surveyor of Arizona)~~