

ORIGINAL

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

FIELD NOTES  
OF THE  
CORRECTIVE RESURVEY  
OF A PORTION OF THE METES-AND-BOUNDS SURVEY OF THE  
ARAVAIPA CANYON WILDERNESS AREA BOUNDARY,  
IN SECTION 7,  
TOWNSHIP 6 SOUTH, RANGE 18 EAST,  
OF THE GILA AND SALT RIVER MERIDIAN,  
IN THE STATE OF ARIZONA.

**EXECUTED BY**

**Gordon R. Bubel, Cadastral Surveyor**

Under Special Instructions dated January 17, 2001, approved January 17, 2001, and Supplemental Special Instructions dated February 14, 2011, approved February 14, 2011, which provided for the surveys included under Group No. 860, and assignment instructions dated January 17, 2010, and February 14, 2011.

**Survey commenced February 16, 2011**

**Survey completed February 16, 2011**

## INDEX DIAGRAM

TOWNSHIP 6 SOUTH                  RANGE 18 EAST  
GILA AND SALT RIVER MERIDIAN, ARIZONA

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Corrective Resurvey of a portion of the metes-and-bounds  
survey of the Boundary of the Aravaipa Canyon Wilderness  
Area, in sec. 7 .....Pages 4-7

**T. 6 S., R. 18 E., Gila and Salt River Meridian, Arizona**

## CHAINS

The following field notes describe the Corrective Resurvey of a portion of the metes-and-bounds survey of the Aravaipa Canyon Wilderness Area boundary, in section 7, Township 6 South, Range 18 East, Gila and Salt River Meridian, Arizona.

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

William E. Hiester and Theodore Vander Meer surveyed the subdivisional lines in 1929. Gordon R. Bubel dependently resurveyed a portion of the subdivisional lines and executed the metes-and-bounds survey of the Aravaipa Canyon Wilderness Area boundary in 2003.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions for the Survey of the Public Lands of the United States, 2009, and the Special Instructions dated January 17, 2001, approved January 17, 2001, and Supplemental Special Instructions dated February 14, 2011, approved February 14, 2011, which provided for the surveys included under Group No. 860, Arizona.

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

Geodetic control was derived from the previously determined Geographic Coordinate for Angle Point 2, Section 7, as described in the original field notes for the metes-and-bounds survey of the Aravaipa Canyon Wilderness Area boundary. The NAD 83 (1992), geographic position of Angle Point 2, Section 7, is as follows:

Latitude: 32°55'40.169" N.                      Longitude: 110°32'06.381" W.

The mean magnetic declination is 10 3/4° E.

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**Corrective Resurvey of a Portion of the Metes-and-Bounds Survey  
of the Aravaipa Canyon Wilderness Area boundary**

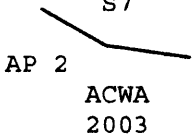
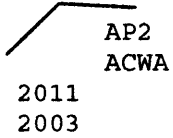
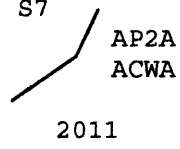
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Correcting the Metes-and Bounds Survey  
Executed by Gordon R. Bubel in 2003

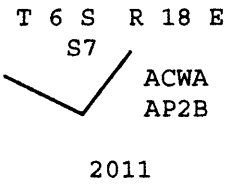
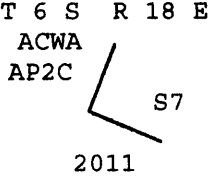
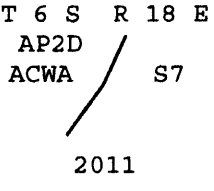
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Beginning at Angle Point 2, sec. 7, monumented with an aluminum drive rod, 3/4 in. diam., firmly set, in a drill hole, projecting 1 in. above bedrock, with aluminum cap mkd.

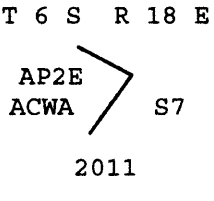
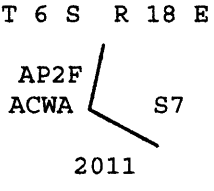
Corrective Resurvey of a Portion of the Metes-and-Bounds Survey  
of the Aravaipa Canyon Wilderness Area boundary,  
T. 6 S., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<div style="text-align: center;"> <p>T 6 S R 18 E S7</p>  <p>AP 2 ACWA 2003</p> </div> <p>Remark the aluminum cap to read:</p> <div style="text-align: center;"> <p>T 6 S R 18 E S7</p>  <p>AP2 ACWA 2011 2003</p> </div> <p>A mound of stone, 3 ft. high, 2 ft. high is N. of the aluminum drive rod.</p> <p>S. 29°19' W., on line 2-2A, sec. 7.</p> <p>On the east side of Javelina Canyon.</p> <p>8.65 Point for Angle Point 2A, sec. 7.</p> <p>Set and aluminum drive rod, 6 ins. long, 3/4 in. diam., 5 ins. in a drill hole, cemented in place, atop a conglomerate outcropping, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 6 S R 18 E S7</p>  <p>AP2A ACWA 2011</p> </div> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 36°08' W., on line 2A-2B, sec. 7.</p> <p>On the east side of Javelina Canyon, east of area that has been disturbed by heavy machinery.</p> <p>3.72 Point for Angle Point 2B, sec. 7.</p> <p>Set and aluminum drive rod, 6 ins. long, 3/4 in. diam., 5 ins. in a drill hole, cemented in place, atop a conglomerate outcropping, with aluminum cap mkd.</p>

**Corrective Resurvey of a Portion of the Metes-and-Bounds Survey  
of the Aravaipa Canyon Wilderness Area boundary,  
T. 6 S., R. 18 E., Gila and Salt River Meridian, Arizona**

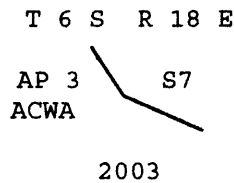
CHAINS	
	<div style="text-align: center;">  <p>T 6 S R 18 E S7 ACWA AP2B 2011</p> </div> <p>Raise a mound of stone, 2 1/2 ft. base, 1 ft. high, SE of the aluminum drive rod.</p> <hr/> <p>N. 51°21' W., on line 2B-2C, sec. 7.</p> <p>Across Javelina Canyon, south of area that has been disturbed by heavy machinery.</p>
3.12	<p>Point for Angle Point 2C, sec. 7.</p> <p>Set and aluminum drive rod, 6 ins. long, 3/4 in. diam., 5 ins. in a drill hole, cemented in place, atop a conglomerate outcropping, with aluminum cap mkd.</p> <div style="text-align: center;">  <p>T 6 S R 18 E ACWA AP2C S7 2011</p> </div> <p>Raise a mound of stone, 2 1/2 ft. base, 1 ft. high, SW of the aluminum drive rod.</p> <hr/>
2.62	<p>Point for Angle Point 2D, sec. 7.</p> <p>Set and aluminum drive rod, 6 ins. long, 3/4 in. diam., 5 ins. in a drill hole, cemented in place, atop a conglomerate outcropping, with aluminum cap mkd.</p> <div style="text-align: center;">  <p>T 6 S R 18 E AP2D ACWA S7 2011</p> </div>

Corrective Resurvey of a Portion of the Metes-and-Bounds Survey  
of the Aravaipa Canyon Wilderness Area boundary,  
T. 6 S., R. 18 E., Gila and Salt River Meridian, Arizona

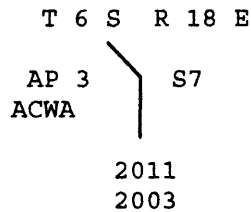
CHAINS	
7.52	<p>Raise a mound of stone, 3 ft. base, 1 ft. high, W. of the aluminum drive rod.</p> <hr/> <p>N. 19°13' E., on line 2D-2E, sec. 7.</p> <p>On the west side of Javelina Canyon, west of area that has been disturbed by heavy machinery.</p> <p>Point for Angle Point 2E, sec. 7.</p> <p>Set and aluminum drive rod, 6 ins. long, 3/4 in. diam., 5 ins. in a drill hole, cemented in place, atop a conglomerate outcropping, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 6 S R 18 E</p>  <p>2011</p> </div> <hr/>
1.53	<p>N. 69°16' W., on line 2E-2F, sec. 7.</p> <p>On the west side of Javelina Canyon, south of area that has been disturbed by heavy machinery.</p> <p>Point for Angle Point 2F, sec. 7.</p> <p>Set and aluminum drive rod, 6 ins. long, 3/4 in. diam., 5 ins. in a drill hole, cemented in place, atop a conglomerate outcropping, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 6 S R 18 E</p>  <p>2011</p> </div>
2.88	<p>Raise a mound of stone, 3 ft. base, 1 ft. high, W of the aluminum drive rod.</p> <hr/> <p>N. 0°14' E., on line 2F-3, sec. 7.</p> <p>West of area that has been disturbed by heavy machinery.</p> <p>Angle Point 3, sec. 7, monumented with an aluminum drive rod, 3/4 in. diam., projecting 8 ins. above ground, in a mound of stone, 4 ft. base to top, with aluminum cap mkd.</p>

Corrective Resurvey of a Portion of the Metes-and-Bounds Survey  
of the Aravaipa Canyon Wilderness Area boundary,  
T. 6 S., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS



Remark the aluminum cap to read:



From this cor. point, Angle Point 2, sec. 7, bears S. 57°47' E.,  
8.29 chs. dist., hereinbefore described.

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GENERAL DESCRIPTION

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This survey is located within and adjacent to the Aravaipa Canyon Wilderness Area. The BLM Safford Field Office is responsible for the management of the ACWA, and decided that two cement dams and associated stock tanks, within the wilderness area should have been excluded from the wilderness area. A local rancher has done improvements at the site, consisting of clearing the two silted over stock tanks and placing the waste products adjacent and within the wilderness area. This corrective resurvey excludes the dams, tanks and waste products from the wilderness area.

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CERTIFICATE OF SURVEY

I, Gordon R. Bubel, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 14th day of February, 2011, I have performed a corrective resurvey of a portion of the metes-and-bounds survey of the Aravaipa Canyon Wilderness Area boundary, in section 7, Township 6 South, Range 18 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. 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.

MARCH 7, 2011  
(Date)

Gordon R. Bubel  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Phoenix, Arizona

The foregoing field notes of the corrective resurvey of a portion of the metes-and-bounds survey of the Aravaipa Canyon Wilderness Area boundary, in section 7, T. 6 S., R. 18 E., Gila and Salt River Meridian, in the State of Arizona, executed by Gordon R. Bubel, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

3/30/2011  
(Date)

Stephen H. Hansen  
(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. 18 E., Gila and Salt River Meridian, Arizona, is a true copy of the Original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~