

ORIGINAL

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

FIELD NOTES  
OF THE SURVEY OF THE  
METES-AND-BOUNDS SURVEYS IN SECTIONS 7 AND 8  
**TOWNSHIP 21 NORTH, RANGE 3 EAST**  
OF THE GILA AND SALT RIVER MERIDIAN  
IN THE STATE OF ARIZONA.

**EXECUTED BY**

**Gordon R. Bubel, Cadastral Surveyor**

Under Special Instructions dated May 8, 2007, approved May 8, 2007, which provided for the surveys included under Group No. 1020, and assignment instructions dated May 8, 2007.

**Survey commenced August 11,2007**

**Survey completed August 13, 2007**

**INDEX DIAGRAM**

**TOWNSHIP 21 NORTH                      RANGE 3 EAST**  
**GILA AND SALT RIVER MERIDIAN, ARIZONA**

6	5	4	3	2	1
7	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

Metes-and-Bounds Survey in Secs. 7 and 8. . . . . Pages 3-7

**T. 21 N., R. 3 E., Gila and Salt River Meridian, Arizona**

CHAINS

The following field notes describe the survey of the metes-and-bounds surveys in sections 7 and 8, Township 21 North, Range 3 East, Gila and Salt River Meridian, Arizona.

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

Horace M. Muscott, resurveyed the east, south, west and north boundaries and the subdivisional lines in 1940-41.

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 May 8, 2007, for Group Number 1020, 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 Global Positioning System (GPS) static post observations processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) FERNO MESA CORS ARP, ASHLER HILLS CORS ARP and FLAGSTAFF 1 CORS ARP. The NAD 83 (1996), geographic position of the 1/4 section corner of sections 7 and 8, is as follows:

Latitude: 35°12'50.37" N.                      Longitude: 112°06'23.29" W.

The mean magnetic declination is 11 3/4° E.

---

**Metes-and-Bounds Survey in Section 8,  
T. 21 N., R. 3 E., Gila and Salt River Meridian, Arizona**

---

Beginning from the point for AP 1, Sec. 8, determined at a point derived using an initial center coordinate and horizontal dimensions provided by the City of Williams for Yavapai Ranch Exchange, Williams Well Site No. 3.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.

T21N R3E

S8    ┌    AP1

2007

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

**Metes-and-Bounds Survey in Section 8,  
T. 21 N., R. 3 E., Gila and Salt River Meridian, Arizona**

CHAINS			
6.326	<p>From this cor. point, the 1/4 sec. cor. of secs. 7 and 8, T21N R3E, monumented with a 1 in. iron post, firmly set, in a supporting mound of stone, 4 ft. base, 1 ft. high, projecting 15 ins. above ground, with brass cap mkd. 1/4 S7 S8 1941, bears N. 47°53' W., 27.04 chs. dist.</p> <p>from which the remains of the orig. bearing tree</p> <p style="padding-left: 40px;">A rotted pine stump, 24 ins. diam., bears S. 83° W., 98 lks. dist. (1941 Record: 30 ins. diam.)</p> <p>Add the marks T21N R3E 2007 to the brass cap.</p> <p>South, along line 1-2.</p> <p>Point for AP2, Sec. 8.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T21N R3E</p> <table style="margin: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S8</td> <td style="border-bottom: 1px solid black; padding: 0 5px;">AP2</td> </tr> </table> <p>2007</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, SW. of the cor.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>East, along line 2-3.</p> <p>True point for AP3, occupied by a pine, 13 ins. diam., where it is impracticable to set a permanent monument. Scribe the marks X AP3 in the tree.</p> <p>from which</p> <p style="padding-left: 40px;">An aluminum drive rod, 3/4 in. diam., 28 ins. long, flush with the ground, for a reference monument, bears N. 84°35' E., 45.0 ft. dist., with aluminum cap mkd. RM T21N R3E AP3 45.0 FT. TO COR. S8 2007 and an arrow pointing to the cor.</p> <p style="padding-left: 40px;">An aluminum drive rod, 3/4 in. diam., 36 ins. long, 29 ins. in the ground, for a reference monument, bears S. 26°35' E., 18.0 ft. dist., with aluminum cap mkd. RM T21N R3E AP3 18.0 FT. TO COR. S8 2007 and an arrow pointing to the cor.</p> <hr style="width: 30%; margin: 10px auto;"/>	S8	AP2
S8	AP2		

**Metes-and-Bounds Survey in Section 8,  
T. 21 N., R. 3 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>North, along line 3-4.</p> <p>6.326 Point for AP 4, sec. 8.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>with a mound of stone, 3 ft. base, 1 ft. high, NE. of the cor.,</p> <hr style="width: 20%; margin: 10px auto;"/>
6.326	<p>West, along line 4-1.</p> <p>AP1, sec. 8, hereinbefore described.</p> <hr style="width: 80%; margin: 10px auto;"/> <p style="text-align: center;"><b>Metes-and-Bounds Survey in Section 7, T. 21 N., R. 3 E., Gila and Salt River Meridian, Arizona</b></p> <hr style="width: 80%; margin: 10px auto;"/> <p>From the point for AP1, sec. 7, determined at a point 1 lk. dist., northeasterly of an existing fence cor.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>From this cor. point, a galvanized post, 4 ins. diam., 8 ft. high, firmly set in concrete, supporting an 8 ft. high woven wire fence enclosing an operating water well, bears southwesterly, 1 lk. dist.</p> <p>From this same cor. point, the 1/4 sec. cor. of secs. 7 and 8, T21N, R3E, bears S. 44°28' E., 22.15 chs. dist., hereinbefore described.</p> <p>N. 80°44' W., along line 1-2.</p>

**Metes-and-Bounds Survey in Section 7,  
T. 21 N., R. 3 E., Gila and Salt River Meridian, Arizona**

CHAINS	
1.122	<p>Point for AP2, sec. 7.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T21N R3E S7 / AP2 2007</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>From this cor. point, a galvanized post, 4 ins. diam., 8 ft. high, firmly set in concrete, supporting an 8 ft. high woven wire fence enclosing an operating water well, bears southeasterly, 1 lk. dist.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 8°12' W., along line 2-3.</p>
1.061	<p>Point for AP3, sec. 7.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T21N R3E S7 / AP3 2007</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>From this cor. point, a galvanized post, 4 ins. diam., 8 ft. high, firmly set in concrete, supporting an 8 ft. high woven wire fence enclosing an operating water well, bears northeasterly, 1 lk. dist.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 80°58' E., along line 3-4.</p>
1.073	<p>Point for AP4</p> <p>Set an aluminum 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 7,  
T. 21 N., R. 3 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>T21N R3E</p> <p>AP4 / S7</p> <p>2007</p>
1.057	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>From this cor. point, a galvanized post, 4 ins. diam., 8 ft. high, firmly set in concrete, supporting an 8 ft. high woven wire fence enclosing an operating water well, bears northwesterly, 1 lk. dist.</p> <hr/> <p>N. 10°53' E., along line 4-1 of well site No. 4.</p> <p>Point for AP4, hereinbefore described.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>This survey is a portion of the Yavapai Ranch Land Exchange. It is located SE of the community of Williams, Arizona.</p> <p>The terrain is gentle, rolling land with moderate Ponderosa pine growth. The mean elevation is approximately 6900 feet above sea level.</p> <p>The mean magnetic declination of 11 3/4° E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 2005 for the dates of survey.</p> <hr/>



CERTIFICATE OF SURVEY

I, Gordon R. Bubel, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 8th day of May, 2007, I have performed the survey of the metes-and-bounds surveys in sections 7 and 8, T. 21 N., R. 3 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.

Nov. 29, 2007  
(Date)

Gordon R. Bubel  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Phoenix, Arizona

The foregoing field notes of the survey of the metes-and-bounds surveys in sections 7 and 8, T. 21 N., R. 3 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.

Jan. 16, 2008  
(Date)

Stephen K. 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. 21 N., R. 3 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

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

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