

ORIGINAL

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

FIELD NOTES

OF A

METES-AND-BOUNDS SURVEY IN

SECTION 36

TOWNSHIP 15 NORTH, RANGE 5 EAST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Gordon R. Bubel, Cadastral Surveyor

Under Special Instructions dated November 4, 2003, approved November 4, 2003, which provided for the surveys included under Group No. 917, and assignment instructions dated December 3, 2003.

Survey commenced December 9, 2003

Survey completed January 15, 2004

INDEX DIAGRAM

TOWNSHIP 15 NORTH RANGE 5 EAST
 GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 15 N., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe a metes-and-bounds survey in section 36, Township 15 North, Range 5 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this survey is as follows: C. Burton Foster surveyed the south two miles of the east boundary in 1877. James B Girand and Park W. Latimer resurveyed the south two miles of the east boundary in 1902. W.H. Thorn retraced a portion of the east boundary as part of the Black Mesa Forest Reserve boundary in 1903.

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 November 4, 2003, for Group No. 917, 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.

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 first order U. S. Coast and Geodetic Survey triangulation station "MCGUIREVILLE 1959", as published by the National Geodetic Survey, NAD 83 (1992). The geographic position of the 1/4 section corner of sections 31 and 36, Townships 15 North, Ranges 5 and 6 East, is as follows:

Latitude: 34°38'57.51" N. Longitude: 111°45'46.49" W.

The mean magnetic declination is 12° E.

**Metes-and-Bounds Survey in Section 36,
T. 15 N., R. 5 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Note: The following metes-and-bounds survey is based on a portion of the warranty deed, dated December 30, 1946; which conveyed certain lands to the United States. On file and recorded at the Yavapai County Recorders Office.</p> <p>Beginning at the 1/4 sec. cor. of secs. 31 and 36, on the E. bdy. of the Tp., identical with Angle Point 1, monumented with an iron post, 2 1/2 ins. diam., as described in the field notes of the dependent resurvey of a portion of the W. bdy., T. 15 N., R. 6 E., executed concurrently under this same group.</p> <p>N. 89°56' W., on line 1-2.</p> <p>Descending over rolling land, in and along a 4 strand barbed wire fence.</p>
1.32	<p>From this point, a rebar, 3/8 in. diam., firmly set, projecting 13 ins. above ground, bears South, 1.0 lk. dist.; identical with the cor. between lots No. 710 and 711 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office.</p>
3.21	<p>A rebar, 3/8 in. diam., firmly set, projecting 8 ins. above ground,; identical with the cor. between lots No. 709 and 710 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office.</p>
6.315	<p>From this point, a rebar, 3/8 in. diam., firmly set, projecting 9 ins. above ground, bears South, 2.9 lks. dist., identical with the cor. between lots No. 707 and 708 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office.</p>
8.13	<p>From this point, a rebar, 3/8 in. diam., firmly set, projecting 8 ins. above ground, bears North, 1.4 lks. dist.; identical with the cor. between lots No. 706 and 707 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office.</p>
12.05	<p>Angle Point 2, identical with the cor. bet. lots No. 672 and 705 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office, remonumented by the National Park Service in 1956, with a 2 in. diam., galvanized iron pipe, projecting 10 ins. above ground, set in a 12 x 5 x 3 ins. concrete form, with the marks NPS 56, etched on the exposed face of the concrete form.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 89°59' W., on line 2-3.</p> <p>In and along a 4 strand barbed wire fence.</p>

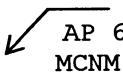
**Metes-and-Bounds Survey in Section 36,
T. 15 N., R. 5 E., Gila and Salt River Meridian, Arizona**

CHAINS	
2.05	A rebar, 3/8 in. diam., firmly set, projecting 4 ins. above ground, identical with the SW cor. of lot No. 672, Lake Montezuma Estates Unit Two, a platted subdivision on file at the Yavapai County Recorders Office.
2.88	Center of pavement of Beaver Creek road, asphalt surface, 20 ft. wide, bears N. 25° E. and S. 25° W., curving easterly.
3.67	A rebar, 3/8 in. diam., firmly set, projecting 5 ins. above ground, identical with the SE cor. of lot No. 671, Lake Montezuma Estates Unit Two, a platted subdivision on file at the Yavapai County Recorders Office.
5.91	Angle Point 3, identical with the NE cor. of lot No. 650, Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office, remonumented by the National Park Service in 1956, with an iron anchor bolt, set in a 14 x 10 x 4 ins. concrete form. <hr style="width: 20%; margin: 10px auto;"/> S. 14°11' E., on line 3-4. In and along a 4 strand barbed wire fence.
2.025	Angle Point 4, identical with the cor. on the easterly sideline of lot No. 650, Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office; remonumented by the National Park Service in 1956, with an iron pin, set in a 13 x 5 x 4 ins. concrete form, with the marks NPS 56 etched on the exposed face of the concrete form. <hr style="width: 20%; margin: 10px auto;"/> S. 32°47' E., on line 4-5. In and along a 4 strand barbed wire fence, WSW of irrigation canal.
0.765	From this point, a rebar, 3/8 in. diam., firmly set, projecting 3 ins. above ground, bears N. 57° E., 1.1 lks. dist.; identical with the cor. between lots No. 649 and 650 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office.
3.64	From this point, a rebar, 3/8 in. diam., firmly set, projecting 4 ins. above ground, bears N. 57° E., 3.1 lks. dist.; identical with the cor. between lots No. 646 and 647 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office.
5.76	From this point, a rebar, 3/8 in. diam., firmly set, projecting 4 ins. above ground, bears N. 57° E., 3.2 lks. dist.; identical with the cor. between lots No. 645 and 646 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office.

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CHAINS	
8.015	<p>Angle Point 5, identical with the SE cor. of lot No. 645, Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office, remonumented by the National Park Service in 1956, with a 1 in. diam., galvanized iron pipe, projecting 4 ins. above ground, set in a 10 x 8 x 4 ins. concrete form, with the marks NPS, etched on the exposed face of the concrete form.</p> <p>Cor. is located 3.3 lks. S. of a fence cor., with 4 strand barbed wire fences bearing S. 67° W. and N. 33° W.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 67°18' W., on line 5-6.</p> <p>In, out and along a 4 strand barbed wire fence, on northerly edge of fallow field.</p>
0.32	Intersect a 4 strand barbed wire fence, bears irregularly N. 64° E. and S. 64° W.
4.69	From this point, a rebar, 3/8 in. diam., firmly set, projecting 4 ins. above ground, bears S. 23° E., 12.0 lks. dist.; identical with the cor. between lots No. 642 and 643 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office.
5.82	From this point, a rebar, 3/8 in. diam., firmly set, projecting 12 ins. above ground, bears S. 23° E., 10.8 lks. dist.; identical with the cor. between lots No. 641 and 642 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office.
8.09	From this point, a rebar, 3/8 in. diam., firmly set, projecting 6 ins. above ground, bears S. 23° E., 8.8 lks. dist.; identical with the cor. between lots No. 639 and 640 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office.
9.23	From this point, a rebar, 3/8 in. diam., firmly set, projecting 12 ins. above ground, bears S. 23° E., 8.8 lks. dist.; identical with the cor. between lots No. 638 and 639 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office.
10.44	From this point, a rebar, 3/8 in. diam., firmly set, projecting 6 ins. above ground, bears S. 23° E., 3.7 lks. dist.; identical with the cor. between lots No. 637 and 638 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office.
10.86	Intersect the SE cor. of a wooden pole barn, 13 x 12 ft., the long side bears S. 72° W.

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CHAINS	
11.39	From this point, the cor. of 4 strand barbed wire fences, extending N. 67° E. and S. 12° W., bears S. 22°42' E., 6.5 lks. dist.
11.90	Point selected for a witness cor. to Angle Point 6. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd. <div style="text-align: center;"> WC T 15 N R 5 E S 36  MCNM 2004 </div> Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
12.35	Left cut bank of wash, 8 ft. deep, drains SSW.
12.505	True point for Angle Point 6, at proportionate distance, by the method of grant boundary adjustment, based on the warranty deed dated December 30, 1946, conveying certain lands to the United States. Point falls in a wash, where it is impracticable to establish a permanent monument. <hr style="width: 20%; margin: 10px auto;"/> S. 21°00' W., on line 6-7. In and along wash.
1.77	Point for Angle Point 7, at proportionate distance, by the method of grant boundary adjustment, based on the warranty deed dated December 30, 1946, conveying certain lands to the United States. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. <div style="text-align: center;"> T 15 N R 5 E S 36 / AP 7 MCNM 2004 </div> Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Cor. is located on top of right cut bank of wash, 10 ft. high, drains SSW.

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CHAINS	
	<hr style="width: 30%; margin: 0 auto;"/>
	S. 19°18' W., on line 7-8.
	Along right cut bank of wash.
1.415	Intersect a wooden fence, 8 ft. high, bears N. 71° W. and S. 71° E., for 14 lks. to intersection with woven wire fence, bearing S. 9° E.
	From this same point, a rebar, 3/8 in. diam., firmly set, projecting 5 ins. above ground, bears S. 71°12' E., 18.5 lks. dist.; identical with the cor. between lots No. 568 and 569 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office.
	Thence across grass lawn.
1.59	From this point, cor. of woven wire fences extending S. 20° W. and N. 9° W., bears S. 70°42' E., 22 lks. dist.
2.31	From this point, cor. of woven wire fences extending N. 20° E. and S. 27° W., bears S. 70°42' E., 21 lks. dist.
3.50	From this point, cor. of woven wire fences extending N. 27° E. and S. 40° W., bears S. 70°42' E., 3.5 lks. dist.
3.59	Intersect woven wire fence, bears N. 40° E. and S. 40° W.
	Leave grass lawn.
3.70	A rebar, 3/4 in. diam., firmly set, projecting 4 ins. above ground, with 1 in. diam., yellow plastic cap mkd. RLS 26925, identical with the cor. between lots No. 567 and 568 of Lake Montezuma Estates Unit Two, a platted subdivision, on file at the Yavapai County Recorders Office.
4.25	Point for Angle Point 8, at proportionate distance, by the method of grant boundary adjustment, based on the warranty deed dated December 30, 1946, conveying certain lands to the United States.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.
	<p>T 15 N R 5 E</p> <p style="margin-left: 100px;">S 36 / AP 8</p> <p style="margin-left: 100px;">MCNM</p> <p>2004</p>
	Deposit a magnet in a white plastic case at the base of the stainless steel post.

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CHAINS	
	<p>Cor. is located on top of right cut bank of wash, 10 ft. high, drains S. 10° W.</p> <p>From this cor. point, a 3/8 in. diam. rebar, firmly set, projecting 4 ins. above ground, bears S. 8°48' E., 2.5 lks. dist.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 10°11' W., on line 8-9.</p> <p>Descending into wash.</p>
1.27	<p>Point for Angle Point 9, at proportionate distance, by the method of grant boundary adjustment, based on the warranty deed dated December 30, 1946, conveying certain lands to the United States. The point falls in the bed of a wash, where it is impracticable to establish a permanent monument.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>N. 89°58' E., on line 9-10.</p> <p>Ascending out of wash.</p>
0.23	<p>Left cut bank of wash, 4 ft. high, drains S.</p>
0.65	<p>Point selected for a witness cor. to Angle Point 9.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>WC</p> <p>T 15 N R 5 E</p> <p>MCNM</p> <p>← S 36 / AP 9</p> </div> <p style="text-align: center; margin: 10px 0;">2004</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>
2.58	<p>Point selected for a witness point.</p> <p>Set an aluminum drive rod, 42 ins. long, 3/4 in. diam., 34 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>WP</p> <p>T 15 N R 5 E</p> <p>MCNM</p> <hr style="width: 20%; margin: 5px auto;"/> <p>S 36</p> </div> <p style="text-align: center; margin: 10px 0;">2004</p>

**Metes-and-Bounds Survey in Section 36,
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CHAINS	<p>Cor. is located 22 lks. S. of a 5 strand barbed wire fence, bears irregularly E. and W.</p>
10.11	<p>Point selected for a witness point.</p> <p>Set an aluminum drive rod, 21 ins. long, 3/4 in. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>WP T 15 N R 5 E MCNM</p> <hr style="width: 20%; margin: 0 auto;"/> <p>S 36</p> <p>2004</p> </div> <p>Cor. is located 7 lks. S. of a 5 strand barbed wire fence, bears irregularly E. and W.</p>
19.22	<p>Point selected for a witness point.</p> <p>Set an aluminum drive rod, 21 ins. long, 3/4 in. diam., 13 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>WP T 15 N R 5 E MCNM</p> <hr style="width: 20%; margin: 0 auto;"/> <p>S 36</p> <p>2004</p> </div> <p>Cor. is located 8 lks. S. of a 5 strand barbed wire fence, bears irregularly E. and W.</p>
28.14	<p>Angle Point 10; identical with the S. 1/16 sec. cor. of sec. 36 only, on the E. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., as described in the field notes of the dependent resurvey of a portion of the W. bdy., T. 15 N., R. 6 E., executed concurrently under this same group.</p>
	<hr style="border: 0.5px solid black;"/> <p>GENERAL DESCRIPTION</p> <hr style="border: 0.5px solid black;"/>
	<p>The area encompassed by this survey is located adjacent to the community of Rimrock Arizona. Beaver Creek, a perennial creek enters the township near the S. 1/16 sec. cor. of sec. 36 only, on the east boundary of the Tp. and more or less parallels the south boundary of the metes-and-bound survey.</p>

T. 15 N., R. 5 E., Gila and Salt River Meridian, Arizona

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Sycamores, ashes and cottonwoods are found in the riparian area, scattered junipers and mesquites are present upland. Access is by way of Beaver Creek road. Fallow fields and historic irrigation canals are found near the metes-and-bounds portions.

The mean magnetic declination of 12° E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 2000 for the dates of survey.
