

ORIGINAL

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

FIELD NOTES  
OF THE  
DEPENDENT RESURVEY  
OF  
A PORTION OF THE NORTH BOUNDARY  
AND  
A PORTION OF THE SUBDIVISIONAL LINES  
**TOWNSHIP 19 SOUTH, RANGE 16 EAST,**  
OF THE GILA AND SALT RIVER MERIDIAN,  
IN THE STATE OF ARIZONA.

**EXECUTED BY**

**Gordon R. Bubel and Wayne S. Hancock, Cadastral Surveyors**

Under Special Instructions dated November 18, 2011 approved November 18, 2011, which provided for the surveys included under Group No. 1101, and assignment instructions dated November 18, 2011.

**Survey commenced March 8, 2012**

**Survey completed March 28, 2012**

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 GILA AND SALT RIVER MERIDIAN, ARIZONA

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## T. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona

## CHAINS

The following field notes describe the dependent resurvey of a portion of the north boundary and a portion of the subdivisional lines, Township 19 South, Range 16 East, Gila and Salt River Meridian, Arizona.

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

In 1874, Theodore F. White surveyed the north boundary. In 1904, Philip Contzen resurveyed the north boundary. In 1874, Theodore F. White surveyed the subdivisional lines. In 1996-1997, Stephen K. Hansen resurveyed a portion of the subdivisional lines and subdivided sections 8 and 9.

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, 2009, and the Special Instructions dated November 18, 2011, for Group Number 1101, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation R8 and 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 Global Positioning System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS), SAHUARITA\_AZ2007 CORS ARP, COT1 TUCSON CORS ARP and AZAM SOPORI ELEM SCH CORS ARP. The NAD 83 (CORS96) (EPOCH: 2002), geographic position of the corner of sections 3, 4, 9 and 10, is as follows:

Latitude: 31°48'13.78" N.

Longitude: 110°42'22.06" W.

## T. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS

The mean magnetic declination is  $10\ 1/4^\circ$  E.

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**Dependent Resurvey of a Portion of the North Boundary,  
T. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona**

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Restoring the survey executed by Theodore F. White, in 1874  
and the resurvey executed by Philip Contzen, in 1904

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Beginning at the  $1/4$  sec. cor. of sec. 3 only, on the N. bdy. of the Tp., monumented with a sandstone, 16 x 12 x 5 ins., firmly set, projecting 8 ins. above ground, mkd.  $1/4$  on the S. face, with a mound of stone, 3 ft. base, 1 ft. high, S. of cor.

from which the orig. bearing trees

An oak, 16 ins. diam., bears S.  $65^\circ$  E., 1.04 chs. dist., with a healed blaze. (Record: S.  $60^\circ$  E.)

A dead standing oak, 14 ins. diam., bears S.  $21\ 1/2^\circ$  W., 1.00 ch. dist., with a rotted blaze.

At the corner point

Set a stainless steel post, 28 ins. long,  $2\ 1/2$  ins. diam., 20 ins. in ground, in a mound of stone,  $1\ 1/2$  ft. base, to top, with brass cap mkd.

T 18 S R 16 E

1/4 S 3  
T 19 S

2012

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

Bury the orig. stone alongside the stainless steel post.

S.  $89^\circ 51'$  W., on the N. bdy. of sec. 3.

Over rolling grassland, through scattering oak, mesquite and juniper.

Dependent Resurvey of a Portion of the North Boundary,  
T. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
34.82	<p>The closing cor. of secs. 33 and 34, T. 18 S., R. 16 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. CC T18S R16E S33 S34 S3 T19S R16E 2012, and as described in the official record of the 2012 dependent resurvey of a portion of the subdivisional lines in T. 18 S., R. 16 E., executed concurrently under this same group.</p>
39.81	<p>The cor. of secs. 3 and 4 only, perpetuated by William D. Gay, Arizona R.L.S. No. 21768, as recorded with the Pima County Recorder in book 8 of surveys, page 89, monumented with an aluminum pipe, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd. T18S R16E S33 S4 S3 T19S LS21768 1992. This is accepted as a careful and faithful perpetuation of the orig. cor. position.</p> <p>A steel sign post is set alongside the cor.</p> <hr/> <p>S. 89°47' W., on the N. bdy. of sec. 4.</p> <p>Over rolling grassland, through scattering mesquite and juniper.</p> <p>Ascend gentle E. facing slope.</p>
35.19	<p>The 1/4 sec. cor. of sec. 33 only, T. 18 S., R. 16 E., monumented with an aluminum rod, 3/4 in. diam., firmly set, projecting 8 ins. above ground, in a mound of stone, 3 1/2 ft. base, to top, with affixed aluminum cap incorrectly mkd. T18S R16E 1/4 S33 S4 T19S LS21768 1992, and as described in the official record of the 2012 dependent resurvey of a portion of the subdivisional lines in T. 18 S., R. 16 E., executed concurrently under this same group.</p>
39.75	<p>The 1/4 sec. cor. of sec. 4 only, perpetuated by William D. Gay, Arizona R.L.S. No. 21768, as, recorded with the Pima County Recorder in book 8 of surveys, page 89, monumented with an aluminum rod, 3/4 in. diam., firmly set, projecting 10 ins. above ground, in a mound of stone, 3 ft. base, to top, with affixed aluminum cap mkd. T18S R16E S33 1/4 S4 T19S LS21768 1992. This is accepted as a careful and faithful perpetuation of the orig. cor. position.</p> <p>from which remains of a bearing tree mkd. by Contzen in 1904</p> <p style="padding-left: 40px;">A root hole, 2 ft. diam., bears S. 43 1/2° E., 55 lks. dist., with down oak still in root hole, (10 ins. diam., with rotted out blaze.)</p> <p>and a bearing tree mkd. by Gay in 1992</p>

Dependent Resurvey of a Portion of the North Boundary,  
T. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>A dead standing oak, 8 ins. diam., bears N. 85° E., 94 lks. dist., mkd. BT on partially healed blaze, with an affixed bearing tree tag.</p> <hr/> <p>S. 89°58' W., beginning new measurement.</p>
35.55	<p>The closing cor. of secs. 32 and 33, T. 18 S., R. 16 E., monumented with an aluminum rod, 3/4 in. diam., firmly set, projecting 9 ins. above ground, in a mound of stone, 3 1/2 ft. base, to top, with affixed aluminum cap mkd. T18S R16E CC S32 S33 S4 T19S LS21768 1992, and as described in the official record of the 2012 dependent resurvey of a portion of the subdivisional lines in T. 18 S., R. 16 E., executed concurrently under this same group.</p>
38.60	<p>Wash, 1 ch. wide, drains N., ascend SE facing slope.</p>
39.72	<p>The cor. of secs. 4 and 5 only, perpetuated by James E. Remington, Arizona R.L.S. No. 10848, as, recorded with the Pima County Recorder in book 7 of surveys, page 81, monumented with a rebar, 1/2 in. diam., firmly set, projecting 2 ins. above ground, in a mound of stone, 2 ft. base, 8 ins. high, with affixed aluminum cap mkd. T18S R16E S32 S5 S4 T19S R16E LS10848. This is accepted as a careful and faithful perpetuation of the orig. cor. position.</p> <p>from which a bearing tree mkd. by Contzen in 1904</p> <p>An oak snag, 14 ins. diam., bears S. 87° E., 1.81 chs. dist., with weathered blaze.</p> <p>The orig. cor., a fractured sandstone, 9 x 7 x 5 ins., mkd. with 4 grooves on a face and two grooves on an opposite face, was found lying loose within the mound of stone.</p> <hr/> <p>West, on the N. bdy. of sec. 5.</p> <p>Over rolling, mountainous land, through scattering juniper and oak.</p> <p>Ascend SE facing slope.</p>
35.98	<p>The 1/4 sec. cor. of sec. 32 only, T. 18 S., R. 16 E., monumented with an aluminum rod, 3/4 in. diam., firmly set, projecting 6 ins. above ground, in a mound of stone, 4 ft. base, to top, with affixed aluminum cap incorrectly mkd. T18S R16E 1/4 S32 S5 T19S LS21768 1992, and as described in the official record of the 2012 dependent resurvey of a portion of the subdivisional lines in T. 18 S., R. 16 E., executed concurrently under this same group.</p>

Dependent Resurvey of a Portion of the North Boundary,  
T. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
38.20	Wash, 40 lks. wide, drains. N.
38.72	<p>The 1/4 sec. cor. of sec. 5 only, perpetuated by William D. Gay, Arizona R.L.S. No. 21768, as recorded with the Pima County Recorder in book 8 of surveys, page 89, monumented with an aluminum pipe, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, in a mound of stone, 4 ft. base, to top, with aluminum cap mkd. T18S R16E S32 1/4 S5 T19S LS21768 1992. This is accepted as a careful and faithful perpetuation of the orig. cor. position.</p> <p>from which bearing trees mkd. by Contzen in 1904</p> <p style="padding-left: 40px;">An oak, 12 ins. diam., bears S. 3° E., 1.40 chs. dist., with healed blaze.</p> <p style="padding-left: 40px;">An oak, 12 ins. diam., bears S. 15 3/4° W., 1.87 chs. dist., with healed blaze.</p> <p>and a bearing tree mkd. by Gay in 1992</p> <p style="padding-left: 40px;">An oak, 12 ins. diam., bears S. 48° E., 66 lks. dist., mkd. BT on partially healed blaze, with an affixed bearing tree tag.</p> <p>The orig. stone, a sandstone (fractured), 12 x 10 x 4 ins., mkd. 1/4 on one face, was recovered lying flat in the mound of stone.</p> <p>A steel sign post is set alongside the cor.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 89°51' W., beginning new measurement.</p>
37.44	<p>The closing cor. of secs. 31 and 32, T. 18 S., R. 16 E., monumented with a rebar, 1/2 in. diam., set flush with the ground, with affixed aluminum cap mkd. T18S R16E S31 S32 S5 T19S R16E, and as described in the official record of the 2012 dependent resurvey of a portion of the subdivisional lines in T. 18 S., R. 16 E., executed concurrently under this same group.</p>
38.61	<p>True point for the cor. of secs. 5 and 6 only, at proportionate dist.; falls in dirt road, (15 ft. wide, bears S. 15° E. and N. 15° W.), impracticable to monument.</p>
41.11	<p>The witness cor. to the cor. of secs. 5 and 6 only, T. 19 S., R. 16 E., perpetuated by William D. Gay, Arizona R.L.S. No. 21768, as, recorded with the Pima County Recorder in book 8 of surveys, page 89, monumented with an aluminum pipe, 2 1/2 ins. diam., firmly set, projecting 12 ins. above ground, in a mound of stone, 4 ft. base, to top, with aluminum cap mkd. T18S R16E WC S31 S6 S5 LS21768 T19S 1992. This is accepted as a careful and faithful perpetuation of the orig. witness cor.</p>

Dependent Resurvey of a Portion of the North Boundary,  
T. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>from which a bearing tree mkd. by Contzen in 1904</p> <p style="padding-left: 40px;">A root hole, 2 ft. diam., bears S. 55° W., 73 lks. dist., with down oak, 10 ins. diam., with weathered blaze.</p> <p>and bearing trees mkd. by Gay in 1992</p> <p style="padding-left: 40px;">An oak snag, 9 ins. diam., bears S. 15° E., 83 lks. dist., mkd. BT on open blaze, with an affixed bearing tree tag.</p> <p style="padding-left: 40px;">A dead standing oak, 9 ins. diam., bears N. 21° W., 34 lks. dist., with a healed blaze, with an affixed bearing tree tag.</p> <p>A steel sign post is set alongside the cor.</p> <p>Descend rolling hills, in scattered juniper and oak.</p> <hr/> <p>West, on the N. bdy. of sec. 6.</p>
36.82	<p>The 1/4 sec. cor. of secs. 6 and 31, monumented with a granite stone, 11 x 5 ins., firmly set, projecting 11 ins. above ground, in a collar of stone, 1 ft. base, mkd. 1/4 on N. face, with a mound of stone, 3 ft. base, 1 ft. high, S. of cor.</p> <p>Cor. point falls within the waste rock area of the proposed Rosemont copper mine.</p> <hr/> <p>West, beginning new measurement.</p>
1.00	<p>Top of ridge, bears SE and NW.</p>
39.21	<p>The cor. of Tps. 18 and 19 S., Rs. 15 and 16 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, in a collar of stone, with brass cap mkd. T18S R15E R16E S36 S31 S1 S6 T19S 2012, and as described in the official record of the 2011-12 dependent resurvey of the E. bdy., T. 18 S., R. 15 E., executed concurrently under this same group.</p> <p>From this cor. point, the point selected for an electronic control point, bears S. 41°50' W., 11.94 chs. dist., monumented with an aluminum drive rod, 36 ins. long, 3/4 in. diam., driven 34 ins. in the ground, with aluminum cap mkd.</p>



Dependent Resurvey of a Portion of the North Boundary,  
T. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS

T 19 S R 15 E  
E.C. NO. 3



GP. NO. 1101  
2011

The geographic position of this electronic control point 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) SAHUARITA\_AZ2007 CORS ARP, COT1 TUCSON CORS ARP and AZAM SOPORI ELEM SCH CORS ARP. The NAD 83 (CORS96) (EPOCH: 2002), geographic position, is as follows:

Latitude: 31°48'59.304" N.                      Longitude: 110°45'28.043" W.

Orthometric height: 1662.381(m) NAVD88 (GEOID 09)

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**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 18 S., R. 15 E., Gila and Salt River Meridian, Arizona**

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Restoring the resurvey executed by  
Stephen K. Hansen, in 1996-1997

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From the cor. of secs. 3, 4, 9 and 10, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd. T19S R16E S4 S3 S9 S10 1996.

from which the remains of an orig. bearing tree

The rotted remains of an oak, at the center of a root hole, bears N. 86 3/4° W., 1.90 chs. dist.

and Hansen's bearing tree and reference objects

A rebar, 1/2 in. diam., firmly set, projecting 11 ins. above ground, bears S. 39°22' W., 71.9 lks. dist., encircled with a collar of stone.

An oak, 24 ins. diam., bears S. 41° W., 2.05 chs. dist., with scribe marks T19S R16E S9 BT visible on partially healed over blaze.

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>A highway right-of-way monument, an angle iron, 4 x 4 ins., projecting 12 ins. above ground, bears S. 61°48' W., 52 1/2 lks. dist., mkd. T.S. 494 25 60 on a face.</p>
	<p>Add the marks 2012 to the brass cap.</p>
	<p>Cor. is located within the right-of-way of State Highway No. 83.</p>
	<p>N. 0°10' E., bet. secs. 3 and 4.</p>
39.31	<p>The 1/4 sec. cor. of secs. 3 and 4, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. T19S R16E 1/4 S4 S3 1996.</p>
	<p>from which an orig. bearing tree</p>
	<p>A dead and downed oak, 20 ins. diam., bears S. 37° W., 1.76 chs. dist., with fragmented Roman Numerals visible on a partially opened blaze.</p>
	<p>Add the marks 2012 to the brass cap.</p> <hr/>
	<p>N. 0°02' W., beginning new measurement.</p>
39.38	<p>The cor. of secs. 3 and 4 only, on the N. bdy. of the Tp., hereinbefore described.</p> <hr/>
	<p>From the cor. of secs. 3, 4, 9 and 10.</p>
	<p>S. 89°40' W., bet. secs. 4 and 9.</p>
39.34	<p>The 1/4 sec. cor. of secs. 4 and 9, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. T19S R16E 1/4 S4 S9 1996.</p>
	<p>Add the marks 2012 to the brass cap.</p> <hr/>
	<p>S. 89°35' W., beginning new measurement.</p>
20.08	<p>The W. 1/16 sec. cor. of secs. 4 and 9, monumented with an aluminum rod, 3/4 in. diam., firmly set, projecting 6 ins. above ground, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd. T19S R16E W 1/16 S4 S9 1996.</p>
	<p>Add the marks 2012 to the aluminum cap.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
20.07	<p>Cor. is located 2 lks. NE of a fence cor., with fences extending S. and W.</p> <hr/> <p>S. 89°35' W., beginning new measurement.</p> <p>The cor. of secs. 4, 5, 8 and 9, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. T19S R16E S5 S4 S8 S9 1996.</p> <p>from which an orig. bearing tree</p> <p style="padding-left: 40px;">An oak, 30 ins. diam., bears S. 53° E., 58 lks. dist., with rotted blaze.</p> <p>Add the marks 2012 to the brass cap.</p> <p>Cor. is located in a fence line, extends E. and W.</p> <hr/> <p style="text-align: center;">Restoring the survey executed by Theodore F. White, in 1874</p> <hr/> <p>N. 0°13' E., bet. secs. 4 and 5.</p>
39.59	<p>The 1/4 sec. cor. of secs. 4 and 5, monumented with remains of a posthole, 16 ins. deep, 4 ins. diam.</p> <p>from which the orig. bearing trees</p> <p style="padding-left: 40px;">An oak, 43 ins. diam., bears S. 2 1/4° E., 1.85 chs. dist., with healed blaze.</p> <p style="padding-left: 40px;">A rotted oak stump, 24 ins. diam., cut 2 ft. above ground, bears S. 87 3/4° W., 1.72 chs. dist., with weathered blaze.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, encircled with a collar of stone, 2 ft. diam., with brass cap mkd.</p> <p style="text-align: center;">T 19 S R 16 E 1/4 S 5   S 4</p> <p style="text-align: center;">2012</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Cor. is located on the left bank of a ditch (10 ft. wide, drains N. 60° E.), and 1.2 chs. N. of the center of a two-track road (10 ft. wide, bears N. 70° E. and S. 70° W.)</p> <p>From this cor. point, a rebar, 1/2 in. diam., firmly set, flush with the ground, bears S. 65°32' W., 11 lks. dist., with an affixed aluminum cap mkd. 1/4 S5 S4 LS10848. This cor. was established by James E. Remington, Arizona R.L.S. No. 10848, in 1991, and is recorded with the Pima County Recorder in book 7 of surveys, page 81.</p>
39.46	<p>N. 0°05' W., beginning new measurement.</p> <p>The cor. of secs. 4 and 5 only, on the N. bdy. of the Tp., hereinbefore described.</p>
	<p style="text-align: center;">Restoring the resurvey executed by Stephen K. Hansen, in 1996-1997</p> <p>From the cor. of secs. 4, 5, 8 and 9.</p> <p>N. 89°55' W., bet. secs. 5 and 8.</p> <p>Along fence.</p>
9.94	<p>The E-E 1/64 sec. cor. of secs. 5 and 8, monumented with an aluminum rod, 3/4 in. diam., firmly set, projecting 4 ins. above ground, with aluminum cap mkd. T19S R16E E-E 1/64 S5 S8 1996.</p> <p>Add the marks 2012 to the aluminum cap.</p> <p>Cor. is located 2 lks. W. of a fence cor., with fences extending E. and S.</p>
29.81	<p>N. 89°54' W., beginning new measurement.</p> <p>The 1/4 sec. cor. of secs. 5 and 8, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. T19S R16E 1/4 S5 S8 1996.</p> <p>from which the 1996 bearing tree</p> <p style="padding-left: 40px;">An oak snag, 10 ins. diam., bears N. 74° E., 26 lks. dist., with scribe marks X BT visible on an open blaze.</p> <p>Add the marks 2012 to the brass cap.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.87	<p>S. 89°55' W., beginning new measurement.</p> <p>The cor. of secs. 5, 6, 7 and 8, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd. T19S R16E S6 S5 S7 S8 1996.</p> <p>from which the 1996 bearing tree</p> <p style="padding-left: 40px;">An oak, 10 ins. diam., bears N. 87 1/2° E., 66 lks. dist., mkd. X BT on an open blaze.</p> <p>Add the marks 2012 to the brass cap.</p> <hr/> <p style="text-align: center;">Restoring the survey executed by Theodore F. White, in 1874</p> <hr/>
37.11	<p>N. 89°48' W., bet. secs. 6 and 7.</p> <p>The 1/4 sec. cor. of secs. 6 and 7, monumented with the fragmentary remains of the orig. wood post, at the base of a depression, 4 ins. diam., 12 ins. deep.</p> <p>from which the remains of an orig. bearing tree</p> <p style="padding-left: 40px;">A root hole, 36 ins. diam., bears S. 25 3/4° W., 1.10 chs. dist., with a dead and downed oak, bearing a weathered blaze alongside.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in ground, in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T 19 S R 16 E S 6 1/4 ——— S 7</p> <p style="text-align: center;">2012</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Bury the wood post remnants alongside the stainless steel post.</p> <p>Cor. is located 50 lks. S. of a fence line, extending E. and W.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From this cor. point, a sq. wood post, 3 1/2 x 3 1/2 ins., firmly set, projecting 32 ins. above ground, in a mound of stone, 2 1/2 ft. base, 1 ft. high, mkd. SE SEC.6 on NE face, NE SEC.7 on SE face, NW SEC.7 on SW face and SW SEC.6 on NW face, bears N. 87°40' W., 4.22 chs. dist., origin unknown.</p> <hr/> <p>N. 89°41' W., beginning new measurement.</p>
39.53	<p>The cor. of secs. 6 and 7 only, on the W. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above ground, in a mound of stone, 2 ft. base, to top, with brass cap mkd. T19S R15E R16E S6 S12 S7 2012 1926, and as described in the official record of the 2012 dependent resurvey of the E. bdy., T. 19 S., R. 15 E., executed concurrently under this same group.</p> <hr/> <p>From the cor. of secs. 5, 6, 7 and 8.</p> <p>N. 2°26' E., bet. secs. 5 and 6.</p> <p>Descend NE facing slope in oak and scattered juniper.</p>
0.30	<p>The Arizona Trail, 4 lks. wide, bears S. 57° E. and N. 57° W.</p>
39.75	<p>Point for the 1/4 sec. cor. of secs. 5 and 6, at proportionate dist., there is no remaining evidence of the orig. cor., not monumented.</p> <p>Cor. point falls within the waste rock area of the proposed Rosemont copper mine.</p>
79.21	<p>True point for the cor. of secs. 5 and 6 only, hereinbefore described.</p> <hr/>

## T. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS

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**GENERAL DESCRIPTION**

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The lands encompassed in this survey are located about 11 miles northwesterly of the town of Sonoita, Arizona, on the easterly slopes of the northerly end of the Santa Rita Mountains.

The land is steep and mountainous, broken by intermittent running washes, There is scattered juniper, mesquite and oak timber in canyons, with cactus and native grasses predominating on dry hillsides.

The mean magnetic declination of  $10 \frac{1}{4}^{\circ}$  E. was derived from the National Oceanic and Atmospheric Administration's geomagmodels software for the dates of the survey.

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## CERTIFICATE OF SURVEY

We, Gordon R. Bubel and Wayne S. Hancock, Cadastral Surveyors, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 18th day of November, 2011, we have dependently resurveyed a portion of the north boundary and a portion of the subdivisional lines, Township 19 South, Range 16 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 us and under our 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, 2009, and in specific manner described in the foregoing field notes.

11/22/2013

(Date)

Gordon R. Bubel

(Cadastral Surveyor)

1/16/2013

(Date)

Wayne S. Hancock

(Cadastral Surveyor)

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the north boundary and a portion of the subdivisional lines, T. 19 S., R. 16 E., Gila and Salt River Meridian, in the State of Arizona, executed by Gordon R. Bubel and Wayne C. Hancock, Cadastral Surveyors, having been critically examined and found correct, are hereby approved.

4/5/2013

(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. 19 S., R. 16 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~