

ORIGINAL

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

FIELD NOTES

OF THE DEPENDENT RESURVEY OF A PORTION OF
THE THIRD STANDARD PARALLEL SOUTH (SOUTH BOUNDARY),
TOWNSHIP 15 SOUTH, RANGE 2 WEST,
AND THE SURVEY OF
THE SOUTH, EAST AND WEST BOUNDARIES
AND A PORTION OF
THE SUBDIVISIONAL LINES,
TOWNSHIP 16 SOUTH, RANGE 3 WEST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Craig S. Dukart, Cadastral Surveyor

Under Special Instructions dated January 14, 2011, approved January 14, 2011, which provided for the surveys included under Group No. 1089, and assignment instructions dated January 14, 2011.

Survey commenced January 20, 2011

Survey completed March 31, 2011

INDEX DIAGRAM

**TOWNSHIP 16 SOUTH RANGE 3 WEST
GILA AND SALT RIVER MERIDIAN, ARIZONA**

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Tps. 15 and 16 S., Rs. 2 and 3 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the Third Standard Parallel South (south boundary), **Township 15 South, Range 2 West**, and the survey of the South, East and West boundaries and a portion of the subdivisional lines, **Township 16 South, Range 3 West**, Gila and Salt River Meridian, Arizona.

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

The Gila and Salt River Meridian through Townships 16, 17, 18 and 19 South, was surveyed by William H. Thorn, U.S. Cadastral Engineer, in 1925.

The east, west, north and south boundaries, and all of the subdivision lines of Township 18 South, Range 2 West, were surveyed by William H. Thorn, U.S. Cadastral Engineer, and Otis O. Gould, U.S. Transitman, in 1925.

Part of the boundary of the Papago Indian Reservation along the summit of the Ajo mountains, and portion (south 2 miles) of the west boundary of Township 17 South, Range 3 West, was surveyed by Dupree R. Averill, U.S. Surveyor, in 1929 through 1931.

A portion of the Third Standard Parallel South through Township 15 South, Range 3 West, was dependently resurveyed by Craig S. Dukart, Cadastral Surveyor, in 2011, concurrently under this same group.

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 14, 2011, for Group Number 1089, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 5700, 5800 and R8 model receivers.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners. 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 true line field notes are given herein.

The south, east and west boundaries were defined by the establishment of the township corners and the lines were not run on the ground.

Tps. 15 and 16 S., Rs. 2 and 3 W., Gila and Salt River Meridian, Arizona

<p>CHAINS</p>	<p>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) DL7707 P001 ORGAN_PIPEAZ2007 CORS ARP, DL7716 P014 SAHUARITA_AZ2007 CORS ARP, DH4132 AZCL COOLIDGE CORS ARP, DM2672 PIMA PIMA COMM COLLEGE CORS ARP, and AI3680 COT1 TUCSON CORS ARP. The NAD 83 (CORS96) (EPOCH: 2002), geographic position of the southeast corner of the township is as follows:</p> <p>Latitude: 31°58'57.72" N. Longitude: 112°31'21.96" W.</p> <p>The NAD 83 (CORS96) (EPOCH: 2002), geographic position of the southwest corner of the township is as follows:.</p> <p>Latitude: 31°58'57.72" N. Longitude: 112°37'29.07" W.</p> <p>The mean magnetic declination is 10 3/4° E.</p> <hr/> <p style="text-align: center;">Dependent resurvey of a portion of the Third Standard Parallel South (south boundary), T. 15 S., R. 2 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p>Beginning at the stan. 1/4 sec. cor. of sec. 31, T. 15 S., R. 2 W., monumented with an iron post, 1 in. diam., loosely set, projecting 18 ins. above the ground, with brass cap mkd. SC 1/4 S31 1918. The iron post was corroded, broken in two pieces, 18 ins. below the ground.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">SC T 15 S R 2 W 1/4 S 31 <hr/>T16S 2011</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post and deposit the pieces of the iron post inside of the stainless steel post.</p> <p>N. 89°57' W., along the Third Sta. Par. South.</p> <p>38.97 Point for the closing cor. of T. 16 S., Rs. 2 and 3 W., intersecting the Third Standard Parallel South, hereinafter described.</p>
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**Dependent resurvey of a portion of the
Third Standard Parallel South (south boundary),
T. 15 S., R. 2 W., Gila and Salt River Meridian, Arizona**

CHAINS

40.03

The stan. cor. of Tps. 15 S., Rs. 2 and 3 W., monumented with an iron post, 3 ins. diam., firmly set, in a concrete block, 10 x 10 ins., 7 ins. high, with brass cap mkd. T15S R3W R2W SC S36 S31 2011 1936 1918, from which the reference monuments

A brass cap, firmly set in a concrete block, 8 x 8 ins., 10 ins. high, bears S. 30°09' E., 626.2 ft. dist., mkd. RM NO1 2011 1936, and an arrow pointing to the cor.

A brass cap, firmly set in a concrete block, 8 x 8 ins., 9 ins. high, bears S. 29°49' W., 482.0 ft. dist., mkd. RM NO2 2011 1936 and an arrow pointing to the cor.

**Survey of the South Boundary,
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona**

From the point for the cor. of Tps. 16 and 17 S., Rs. 2 and 3 W., determined at the intersection of a line west of the SE cor. of T. 16 S., R. 1 W., and the line north of the true point for the NW cor. of T. 18 S., R. 2 W.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

T 16 S	
R 3 W	R 2 W
S 36	S 31
S 1	S 6
T 17 S	

2011

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground for a reference monument, bears S. 33°53' W., 30.0 ft. dist., with brass cap mkd. RM T17S R3W S1 30.0 FT TO COR 2011 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 12 ins. in the ground, in a supporting mound of stone, 5 ft. base, to top, for a reference monument, bears N. 56°10' W., 1030.0 ft. dist. with brass cap mkd. RM T16S R3W S36 1030.0 FT TO COR 2011 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

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

Survey of the South Boundary
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>From this cor. point, the cor. of Tps. 16 and 17 S., Rs. 1 E. and 1 W., bears E., 960.32 chs. dist., monumented with an iron post, 3 ins. diam., firmly set, in a concrete block, 10 x 10 ins., 6 ins. high, with brass cap mkd. T16S R1W R1E S36 S31 S1 S6 T17S PM 1936 1925, from which the reference monuments</p> <p style="padding-left: 40px;">A brass cap, firmly set in a concrete block, 9 x 9 ins., 6 ins. high, bears N. 89°55' E., 408.0 ft. dist., mkd. GLO NO3 RM NO1 1936, and an arrow pointing to the cor. Add the marks 2011 to the brass cap. (Record: E. (Magnetic), 407.88 ft.)</p> <p style="padding-left: 40px;">A brass cap, firmly set in a concrete block, 8 x 8 ins., 9 ins. high, bears S. 45°07' E., 426.3 ft. dist., mkd. GLO NO3 RM NO2 1936 and an arrow pointing to the cor. Add the marks 2011 to the brass cap. (Record: S. 45° E. (Magnetic), 426.03 ft.)</p> <p>Add the marks 2011 to the brass cap.</p> <p>Note: The corner of Tps. 16 and 17 S., Rs. 1 E. and 1 W., was originally set in 1925, by William H. Thorn. In 1936, the iron post was stabilized with concrete and reference monuments set by the General Land Office, as described on NGS Data Sheet.</p> <p>From this same cor. point, the true point for the cor. of Tps. 17 and 18 S., Rs. 2 and 3 W., falls in wash, bears S., 479.79 chs. dist., from which the controlling corners</p> <p style="padding-left: 40px;">The witness cor. to the cor. of Tps. 16 and 17 S., Rs. 1 E. and 1 W., bears S. 89°58' E., 60 lks. dist., monumented with an iron post, 3 ins. diam., firmly set, projecting 9 ins. above the ground, with brass cap mkd. T17S R3W R2W S36 S31 S1 S6 T18S WC 1915.</p> <p style="padding-left: 40px;">The 1/4 sec. cor. of secs. 6 and 31, on the N. bdy. of T. 18 S., R. 2 W., bears S. 89°58' E., 40.18 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 19 ins. above the ground, in a mound of stone, 3 ft. base, 1 ft. high, with brass cap mkd. 1/4 S31 S6 1925. Rebuild the mound of stone, 3 ft. base to brass cap. Add the marks T17S R2W T18S 2011 to the brass cap.</p> <p>West, on the S. bdy. of the Tp.</p> <p>Over level to rolling terrain.</p>
479.13	<p>Point for the cor. of Tps. 16 and 17 S., Rs. 3 and 4 W., determined at the intersection of a line west of the SE cor. of T. 16 S., R. 1 W., hereinbefore described, and the line north of the cor. of secs. 19 and 30, T. 17 S., R. 3 W., hereinafter described.</p>

Survey of the South Boundary
T. 16 S., R. 3 W., 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 16 S	
R 4 W	R 3 W
S 36	S 31
S 1	S 6
T 17 S	

2011

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

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 23 ins. in the ground, in a collar of stone, for a reference monument, bears N. 88°09' E., 32.8 ft. dist. with brass cap mkd. RM T16S R3W S31 32.8 FT TO COR 2011 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 20 ins. in the ground, in a mound of stone, 3 ft. base to brass cap, for a reference monument, bears N. 01°50' W., 1007.2 ft. dist. with brass cap mkd. RM T16S R4W S36 1007.2 FT TO COR 2011 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

From this cor. point, the cor. of Tps. 16 and 17 S., Rs. 1 E. and 1 W., bears E., 1,439.43 chs. dist., hereinbefore described.

From this same cor. point, the cor. of secs. 19 and 30, T. 17 S. R. 3 W., bears S., 319.69 chs. dist., monumented with an iron post, 2 ins. diam., firmly set, projecting 30 ins. above the ground, in a mound of stone, 5 ft. base, to brass cap, mkd. T17S PIR R3W S19 S30 1931. Add the marks 2011 to the brass cap and change the marks PIR to TON.

Survey of the East Boundary,
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona

From the cor. of Tps. 16 and 17 S., Rs. 2 and 3 W., hereinbefore described.

North, on the E. bdy. of the Tp.

Over level to gently rolling terrain

Survey of the East Boundary
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS															
480.52	<p>Intersect the Third Standard Parallel South, point for the closing cor. of Tps. 16 S., Rs. 2 and 3 W.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td colspan="2">T 15 S R 2 W</td></tr> <tr><td colspan="2">S 31</td></tr> <tr><td colspan="2"><hr style="width: 100%;"/></td></tr> <tr><td>S 1</td><td>S 6</td></tr> <tr><td>R 3 W</td><td>R 2 W</td></tr> <tr><td colspan="2">T 16 S</td></tr> <tr><td colspan="2">CC</td></tr> </table> <p>2011</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>From this cor. point, the stan. cor. of Tps. 15 S., Rs. 2 and 3 W., bears N. 89°57' W., 1.06 chs. dist., hereinbefore described.</p> <p>From this same cor. point, the stan. 1/4 sec. cor. of sec. 31, T. 15 S. R. 2 W., bears S. 89°57' E., 38.97 chs. dist., hereinbefore described</p> <hr/> <div style="text-align: center;"> <p>Survey of the West Boundary, T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona</p> </div> <hr/> <p>From the cor. of Tps. 16 and 17 S., Rs. 3 and 4 W., hereinbefore described.</p> <p>North, on the W. bdy. of the Tp.</p> <p>Over mountainous, rocky terrain transitioning into level terrain.</p>	T 15 S R 2 W		S 31		<hr style="width: 100%;"/>		S 1	S 6	R 3 W	R 2 W	T 16 S		CC	
T 15 S R 2 W															
S 31															
<hr style="width: 100%;"/>															
S 1	S 6														
R 3 W	R 2 W														
T 16 S															
CC															
480.84	<p>Intersect the Third Standard Parallel South, point for the closing cor. of Tps. 16 S., Rs. 3 and 4 W.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.</p>														

**Survey of the West Boundary,
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona**

CHAINS

T 15 S R 3 W	
S 31	

S 1	S 6
R 4 W	R 3 W
T 16 S	
CC	

2011

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

From this cor. point, the stan. cor. of Tps. 15 S., Rs. 3 and 4 W., bears N. 89°57' W., 2.375 chs. dist., monumented with an iron post, 3 ins. diam., firmly set, projecting 10 ins. above the ground, with brass cap mkd. SC T15S R4W R3W S36 S31 T16S 2011 1939, from which the remaining orig. bearing trees

A mesquite stump, 10 ins. diam., bears N. 13 1/4° E., 1.87 chs. dist., severely weathered and decayed, with no visible blaze. (Record: N. 12 1/2° E., 1.88 chs.)

A mesquite, 6 ins. diam., bears N. 42° W., 99 lks. dist., with no scribe marks visible on a possible blaze. (Record: N. 49° W., 1.00 chs.)

From this same cor. point, the stan. 1/4 sec. cor. of sec. 31, T. 15 S. R. 3 W., bears S. 89°57' E., 37.62 chs. dist. monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above the ground, in a mound of stone, 2 ft. base, to brass cap mkd. T15S R3W SC 1/4 S31 T16S 2011 1939, from which the orig. bearing trees

A mesquite, 6 ins. diam., bears N. 78° W., 1.96 chs. dist., with no scribe marks visible on a blaze.

A mesquite, 8 ins. diam., bears N. 37 1/2° W., 1.02 chs. dist., with scribe marks S visible on a blaze. (Record: N. 36 1/2° W.)

**Survey of a portion of the Subdivisional Lines,
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona**

Point for the cor. of secs. 10, 11, 14 and 15, determined West, 160.00 chs. dist., and N. 0°01' W., 320.00 chs. dist., from the cor. of Tps. 16 and 17 S., Rs. 2 and 3 W., hereinbefore described.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, in a mound of stone, 3 ft. diam. to brass cap mkd.

Survey of a Portion of the Subdivisional Lines
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
	T 16 S R 3 W S 10 S 11 S 15 S 14
	2011
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	N. 0°01' W., bet. secs. 10 and 11.
	Over mountainous, rocky terrain.
40.00	Point for the 1/4 sec. cor. of secs. 10 and 11.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 4 ft. base to brass cap mkd.
	T 16 S R 3 W 1/4 S 10 S 11
	2011
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	Point for the cor. of secs. 2, 3, 10 and 11.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 16 S R 3 W S 3 S 2 S 10 S 11
	2011
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

	N. 0°01' W., bet. secs. 2 and 3.
	Over level terrain.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 3.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 29 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	<p style="text-align: center;">T 16 S R 3 W 1/4 S 3 S 2</p> <p style="text-align: center;">2011</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
80.65	<p>Intersect the Third Standard Parallel South, point for the closing cor. of secs. 2 and 3.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 15 S R 3 W S 35 ----- S 3 S 2 T 16 S R 3 W CC</p> <p style="text-align: center;">2011</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>From this cor. point, the stan. 1/4 sec. cor. of sec. 35, T. 15 S., R. 3 W., bears S. 89°58' E., 38.945 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above the ground, with brass cap mkd. SC T15S R3W SC 1/4 S35 T16S 2011.</p> <p>From this same cor. point, the stan. cor. of secs. 34 and 35, T. 15 S., R. 3 W., bears N. 89°58' W., 1.055 chs. dist., monumented with an iron post, 2 ins. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd. SC T15S R3W S34 S35 S3 T16S 2011 1939.</p> <hr/> <p>Point for the cor. of secs. 9, 10, 15 and 16, determined West, 240.00 chs. dist., and N. 0°02' W., 320.00 chs. dist., from the cor. of Tps. 16 and 17 S., Rs. 2 and 3 W., hereinbefore described.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p>

Survey of a Portion of the Subdivisional Lines
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T 16 S R 3 W S 9 S 10 ----- S 16 S 15</p> <p style="text-align: center;">2011</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <hr/> <p>From the cor. of secs. 10, 11, 14 and 15.</p> <p>West, bet. secs. 10 and 15.</p> <p>Over mountainous, rocky terrain.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 10 and 15.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, in a mound of stone, 4 1/2 ft. base to brass cap mkd.</p> <p style="text-align: center;">T 16 S R 3 W S 10 1/4 ----- S 15</p> <p style="text-align: center;">2011</p> <p>Deposit 6 nails, 8 ins. long, at the base of the stainless steel post.</p> <p>Transitioning into level terrain.</p>
80.00	<p>The cor. of secs. 9, 10, 15 and 16.</p> <hr/> <p>N. 0°02' W., bet. secs. 9 and 10.</p> <p>Over level terrain.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 10 and 11.</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> <p style="text-align: center;">T 16 S R 3 W 1/4 S 9 S 10</p> <p style="text-align: center;">2011</p>

Survey of a Portion of the Subdivisional Lines
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS									
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.								
75.30	Indian Route 1, a paved road, 25 ft. wide, bears N. 15° E. and S. 15° W.								
80.00	Point for the cor. of secs. 3, 4, 9 and 10. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.								
	<table style="margin-left: auto; margin-right: auto;"> <tr><td>T 16 S</td><td>R 3 W</td></tr> <tr><td>S 4</td><td>S 3</td></tr> <tr><td>S 9</td><td>S 10</td></tr> </table>	T 16 S	R 3 W	S 4	S 3	S 9	S 10		
T 16 S	R 3 W								
S 4	S 3								
S 9	S 10								
	2011								
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.								
	<hr/>								
	From the cor. of secs. 2, 3, 10 and 11. West, bet. secs. 3 and 10. Over level terrain.								
40.00	Point for the 1/4 sec. cor. of secs. 3 and 10. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.								
	<table style="margin-left: auto; margin-right: auto;"> <tr><td>T 16 S</td><td>R 3 W</td></tr> <tr><td>S 3</td><td></td></tr> <tr><td>1/4</td><td>_____</td></tr> <tr><td>S 10</td><td></td></tr> </table>	T 16 S	R 3 W	S 3		1/4	_____	S 10	
T 16 S	R 3 W								
S 3									
1/4	_____								
S 10									
	2011								
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.								
78.70	Indian Route 1, a paved road, 25 ft. wide, bears N. 15° E. and S. 15° W.								
80.00	The cor. of secs. 3, 4, 9 and 10. <hr/>								
	N. 0°02' W., bet. secs. 3 and 4. Over level terrain.								
34.25	Graded road, 20 ft. wide, bears N. 65° E. and S. 50° W.								

Survey of a Portion of the Subdivisional Lines
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
40.00	<p>Point for the 1/4 sec. cor. of secs. 3 and 4.</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> <p style="text-align: center;">T 16 S R 3 W 1/4 S 4 S 3 2011</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
51.90	<p>Indian Route 1, a paved road, 25 ft. wide, bears S. 70° E. and N. 70° W.</p>
80.705	<p>Intersect the Third Standard Parallel South; point for the closing cor. of secs. 3 and 4.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 15 S R 3 W S 34 ----- S 4 S 3 T 16 S R 3 W CC 2011</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>From this cor. point, the stan. 1/4 sec. cor. of sec. 34, T. 15 S., R. 3 W., bears S. 89°58' E., 38.94 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 9 ins. above the ground, with brass cap mkd. T15S R3W SC 1/4 S34 S3 T16S 2011 1939.</p> <p>From this same cor. point, the stan. cor. of secs. 33 and 34, T. 15 S., R. 3 W., bears N. 89°58' W., 1.07 chs. dist., monumented with an iron post, 2 ins. diam., firmly set, projecting 8 ins. above the ground, in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd. SC T15S R3W S33 S34 S4 T16S 2011 1939.</p> <hr/> <p>Point for the 1/4 sec. cor. of sec. 3 only, T. 16 S., R. 3 W., at midpoint on the N. bdy. of sec. 3, on the Third Standard Parallel South.</p>

Survey of a Portion of the Subdivisional Lines
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS

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

T 15 S R 3 W

1/4 S 3

T 16 S R 3 W

2011

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

From this cor. point, the stan. cor. of secs. 34 and 35,
 T. 15 S., R. 3 W., bears S. 89°57' E., 38.945 chs. dist.,
 hereinbefore described.

From this cor. point, the stan. 1/4 sec. cor. of sec. 34,
 T. 15 S., R. 3 W., bears N. 89°57' W., 1.055 chs. dist.,
 hereinbefore described.

Point for the cor. of secs. 8, 9, 16 and 17, determined West,
 320.00 chs. dist., and N. 0°02' W., 320.00 chs. dist., from the
 cor. of Tps. 16 and 17 S., Rs. 2 and 3 W., hereinbefore
 described.

At the corner point

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

T 16 S R 3 W

S 8 | S 9

S 17 | S 16

2011

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

From the cor. of secs. 9, 10, 15 and 16.

West, bet. secs. 9 and 16.

Over level terrain, crossing Indian Route 1.

40.00

Point for the 1/4 sec. cor. of secs. 9 and 16.

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

Survey of a Portion of the Subdivisional Lines
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
	T 16 S R 3 W S 9 1/4 ——— S 16 2011 Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	The cor. of secs. 8, 9, 16 and 17. <hr/> N. 0°02' W., bet. secs. 8 and 9. Over level terrain.
40.00	Point for the 1/4 sec. cor. of secs. 8 and 9. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 16 S R 3 W 1/4 S 8 S 9 2011 Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	Point for the cor. of secs. 4, 5, 8 and 9. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, with brass cap mkd.
	T 16 S R 3 W S 5 S 4 S 8 S 9 2011 Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	<hr/> From the cor. of secs. 3, 4, 9 and 10. West, bet. secs. 4 and 9. Over level terrain.
40.00	Point for the 1/4 sec. cor. of secs. 4 and 9.

Survey of a Portion of the Subdivisional Lines
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 16 S R 3 W S 4 1/4 ——— S 9</p> <p style="text-align: center;">2011</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
80.00	<p>The cor. of secs. 4, 5, 8 and 9.</p> <hr style="border: 0.5px solid black; margin: 10px 0;"/> <p>N. 0°02' W., bet. secs. 4 and 5.</p> <p>Over level terrain.</p>
21.85	<p>Graded road, 20 ft. wide, bears N. 80° E. and S. 75° W.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 4 and 5.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 16 S R 3 W 1/4 S 5 S 4</p> <p style="text-align: center;">2011</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
80.75	<p>Intersect the Third Standard Parallel South; point for the closing cor. of secs. 4 and 5.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 15 S R 3 W S 33 ————— S 5 S 4 T 16 S R 3 W CC</p> <p style="text-align: center;">2011</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>

Survey of a Portion of the Subdivisional Lines
T. 16 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS

From this cor. point, the stan. 1/4 sec. cor. of sec. 33, T. 15 S., R. 3 W., bears S. 89°57' E., 38.955 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above the ground, with brass cap mkd. SC T15S R3W 1/4 S33 S4 T16S 2011.

From this same cor. point, the stan. cor. of secs. 32 and 33, T. 15 S., R. 3 W., bears N. 89°57' W., 1.025 chs. dist., monumented with an iron post, 2 ins. diam., firmly set, projecting 4 ins. above the ground, in a collar of stone, with brass cap mkd. SC T15S R3W S32 S33 T16S 2011 1939.

Point for the 1/4 sec. cor. of sec. 4 only, T. 16 S., R. 3 W., at midpoint on the N. bdy. of sec. 4, on the Third Standard Parallel South.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.

T 15 S R 3 W

1/4 S 4

T 16 S R 3 W

2011

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

From this cor. point, the stan. cor. of secs. 33 and 34, T. 15 S., R. 3 W., bears S. 89°59' E., 38.93 chs. dist., hereinbefore described.

From this cor. point, the stan. 1/4 sec. cor. of sec. 33, T. 15 S., R. 3 W., bears N. 89°59' W., 1.045 chs. dist., hereinbefore described.

Tps. 15 and 16 S., Rs. 2 and 3 W., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

This survey is located around the community of Gu Vo, on the Tohono O'odham Nation. The terrain is predominately level and sandy, with occasional areas of steep, rocky hills.

The elevation of the majority of this township is approximately 2,200 ft. There are areas of steep rocky hills with approximate elevations of 2,600 ft.

Indian Route 1, a paved road, runs northerly and southerly through this township. Indian Route 28, a graded road, runs northerly through the N. half of section 3. Indian Route 5, a graded road, runs northwesterly and southeasterly through section 4.

The mean magnetic declination of $10 \frac{3}{4}^{\circ}$ E. was derived from the National Geophysical Data Center's magnetic declination calculator, for the dates of the survey.

CERTIFICATE OF SURVEY

I, Craig S. Dukart, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 14th day of January, 2011, I have dependently resurveyed a portion of the Third Standard Parallel South (south boundary), Township 15 South, Range 2 West, and surveyed the south, east and west boundaries and a portion of the subdivisional lines, Township 16 South, Range 3 West, 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 Surveying Instructions for the Survey of the Public Lands of the United States, 2009, and in specific manner described in the foregoing field notes.

FEBRUARY 9, 2012
(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 Third Standard Parallel South (south boundary), Township 15 South, Range 2 West, and the survey of the south, east and west boundaries and a portion of the subdivisional lines, Township 16 South, Range 3 West, of the Gila and Salt River Meridian, in the State of Arizona, executed by Craig S. Dukart, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

2/16/2012
(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 Tps. 15 and 16 S., Rs. 2 and 3 W., of the Gila and Salt River Meridian, in the State of Arizona, is a true copy of the original field notes.~~

~~_____~~
(Date)

~~_____~~
(Chief Cadastral Surveyor of Arizona)