

ORIGINAL

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

FIELD NOTES

OF THE DEPENDENT RESURVEY OF THE
THIRD STANDARD PARALLEL SOUTH (SOUTH BOUNDARY)
THE EAST, NORTH AND A PORTION OF THE WEST BOUNDARIES
THE SURVEY OF A PORTION
OF THE SUBDIVISIONAL LINES
AND THE ESTABLISHMENT OF AN ELECTRONIC CONTROL CORNER,
TOWNSHIP 15 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 15 SOUTH RANGE 3 WEST
GILA AND SALT RIVER MERIDIAN, ARIZONA**

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T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of the Third Standard Parallel South (south boundary), the east, north and a portion of the west boundaries and the survey of a portion of the subdivisional lines, and the establishment of an Electronic Control Corner, Township 15 South, Range 3 West, Gila and Salt River Meridian, Arizona.

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

W.H. Thorn, United States Surveyor, and Loyd E. Sechrist, United States Transitman, surveyed the east and north boundaries, Township 15 South, Range 3 West, 1918.

W. H. Thorn, United States Cadastral Engineer, surveyed parts of the East and West boundaries and the subdivisional lines, Township 15 South, Range 4 West, in 1918.

Benjamin J. Kinsey, Cadastral Engineer, surveyed the Third Standard Parallel South, being the south boundary of Township 15 South, Range 3 West, in 1940.

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.

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:

Latitude: 32°04'11.51" N.

Longitude: 112°31'22.78" W.

T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>The NAD 83 (CORS96) (EPOCH: 2002), geographic position of the northeast corner of the township is as follows:</p> <p>Latitude: 32°09'25.09" N. Longitude: 112°31'22.65" W.</p> <p>The mean magnetic declination is 10 3/4° E.</p> <hr/> <p style="text-align: center;">Dependent Resurvey of the Third Stan. Par. South (S. Bdy.), T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p style="text-align: center;">Restoring the survey executed by Benjamin J. Kinsey, in 1939 and 1940</p> <hr/> <p>Beginning at 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 x 7 ins., with brass cap mkd. T15S R3W R2W SC S36 S31 1936 1918, from which the reference monuments</p> <p style="padding-left: 40px;">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 1936, and an arrow pointing to the cor. Add the marks 2011 to the brass cap. (Record: S. 30° E. (Magnetic), 622.9 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. 29°49' W., 482.0 ft. dist., mkd. RM NO2 1936 and an arrow pointing to the cor. Add the marks 2011 to the brass cap. (Record: S. 30° W. (Magnetic), 481.87 ft.)</p> <p>Add the marks 2011 to the brass cap.</p> <p>This corner was originally set in 1918 by W.H. Thorn and Loyd E. Sechrist. In 1936, the iron post was stabilized with concrete and reference monuments set by the General Land Office, as described on NGS Data Sheet. Benjamin J. Kinsey claimed to have recovered the original iron post in 1939, describing it as being "established in 1918, as an iron post, 3 ins. diam., projecting 12 ins. above ground, firmly set, marked on the brass cap and witnessed as described in the official record."</p> <p>N. 89°55' W., on the S. bdy. of sec. 36.</p> <p>Over level terrain.</p> <p>39.995 The stan. 1/4 sec. cor. of sec. 36, monumented with an iron post, 1 in. diam., firmly set, projecting 18 ins. above the ground, with brass cap mkd. SC 1/4 S36 1939, from which the original bearing trees</p>
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Dependent Resurvey of the Third Standard Parallel South(S. Bdy.),
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>A forked mesquite, 6 ins. diam., bears N. 64° E., 3.745 chs. dist., with illegible scribe marks visible on a severely weathered and decayed open blaze. (Record: 3.76 chs.)</p> <p>A forked mesquite, 10 ins. diam., bears N. 84 1/2° W., 3.560 ft. dist., with illegible scribe marks visible on a weathered, decayed, partially healed blaze. (Record: 3.55 chs.)</p> <p>Reset the original iron post 36 ins. long, 1 in. diam., 31 ins. in the ground. Add the marks T15S R3W T16S 2011 to the brass cap.</p> <p>Deposit a magnet, in a white plastic case, at the base of the iron post.</p> <p>Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.</p> <hr/> <p>N. 89°58' W., beginning new measurement.</p> <p>Over level terrain.</p>
40.005	<p>The stan. cor. of secs. 35 and 36, monumented with an iron post, 2 ins. diam., firmly set, projecting 7 ins. above the ground, with brass cap mkd. SC T15S R3W S35 S36 1939, from which the remaining original bearing tree</p> <p>A mesquite, 8 ins. diam., bears N. 60° E., 4.82 chs. dist., with scribe marks T15S R BT visible on a weathered, partially healed blaze.</p> <p>Add the marks T16S 2011 to the brass cap.</p> <hr/> <p>N. 89°58' W., on the S. bdy. of sec. 35.</p> <p>Over level terrain.</p>
2.70	<p>Barbed wire fence, bears N. 15° E. and S. 15° W.</p>
36.55	<p>Trail road, bears N. 30° E. and S. 30° W.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 35, at proportionate distance; the original concrete filled iron post, 1 in. diam., rusted and broken off at 26 ins. below the brass cap, mkd. SC 1/4 S35 1939, was found laying loose. Using a stump, unverifiable as the original bearing tree, record bearing and distances from the corners on either side, and proportionate distance, the search areas fell within a 5 ft. circle, and a search was made, using a metal detector, for the bottom 10 ins. of the original iron post, with no evidence found.</p>

Dependent Resurvey of the Third Standard Parallel South(S. Bdy.),
T. 15 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., 25 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 15 S R 3 W SC 1/4 S 35 <hr/>T 16 S 2011</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
74.75	Barbed wire fence, bears N. 3° E. and S. 3° W.
80.00	<p>The stan. cor. of secs. 34 and 35, 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 1939.</p> <p>Add the marks S3 T16S 2011 to the brass cap.</p> <hr/> <p>N. 89°57' W., on the S. bdy. of sec. 34.</p> <p>Over level terrain.</p>
40.00	<p>The stan. 1/4 sec. cor. of sec. 34, monumented with an iron post, 1 in. diam., firmly set, projecting 9 ins. above the ground, with brass cap mkd. SC 1/4 S34 1939.</p> <p>Add the marks T15S R3W T16S S3 2011 to the brass cap.</p> <hr/> <p>N. 89°58' W., beginning new measurement.</p> <p>Over level terrain.</p>
15.45	Indian Route 28, a graded road, 25 ft. wide, bears N. 18° E. and S. 18° W.
40.01	<p>The stan. cor. of secs. 33 and 34, monumented with an iron post, 2 ins. diam., firmly set, projecting 8 ins. above the ground, in the remnants of a mound of stone, 1 1/2 ft. base, with brass cap mkd. SC T15S R3W S33 S34 1939.</p> <p>Rebuild the mound of stone, 2 1/2 ft. base, to brass cap.</p> <p>Add the marks S4 T16S 2011 to the brass cap.</p> <hr/> <p>N. 89°59' W., on the S. bdy. of sec. 33.</p>

Dependent Resurvey of the Third Standard Parallel South(S. Bdy.),
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Over level terrain.</p> <p>39.975 The stan. 1/4 sec. cor. of sec. 33, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above, and bent to the ground, with brass cap mkd. SC 1/4 S33 1939, from which the remaining original bearing tree</p> <p style="padding-left: 40px;">A mesquite, 8 ins. diam., bears N. 20° E., 1.53 chs. dist., with scribe marks SC 1/4 S3 visible on a weathered blaze.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, in a rock collar, with brass cap mkd.</p> <div style="text-align: center;"> <p>SC</p> <p>T 15 S R 3 W</p> <p>1/4 S 33</p> <hr style="width: 20%; margin: 0 auto;"/> <p>S 4</p> <p>T 16 S</p> <p>2011</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Bury the original concrete filled iron post, 36 ins. long, 1 in. diam., horizontally, alongside the stainless steel post.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>N. 89°57' W., beginning new measurement.</p> <p>Over level terrain.</p>
6.70	<p>Indian Route 1, a paved road, 24 ft. wide, bears S. 20° E. and N. 20° W.</p>
28.65	<p>Indian Route 5, a graded road, 24 ft. wide, bears S. 50° E. and N. 45° W.</p>
39.98	<p>The stan. cor. of secs. 32 and 33, monumented with an iron post, 2 ins. diam., firmly set, projecting 4 ins. above the ground, in the remnants of a mound of stone, with brass cap mkd. SC T15S R3W S32 S33 1939, with the remnants of a small mound of stone, NW of the cor.</p> <p>Incorporate the remnants of both mounds of stones in a rock collar.</p> <p>Add the marks T16S 2011 to the brass cap.</p> <hr style="width: 60%; margin: 10px auto;"/>

Dependent Resurvey of the Third Standard Parallel South(S. Bdy.),
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>N. 89°57' W., on the S. bdy. of sec. 32.</p> <p>Over level terrain.</p> <p>40.04 The stan. 1/4 sec. cor. of sec. 32, monumented with an iron post, 1 in. diam., firmly set, projecting 19 ins. above the ground, in the remnants of a mound of stone, with brass cap mkd. SC 1/4 S32 1939, from which the remaining original bearing tree</p> <p style="padding-left: 40px;">A forked mesquite, 12 ins. diam., bears N. 28° W., 1.35 chs. dist., with illegible scribe marks visible on a nearly healed blaze.</p> <p>Reset the concrete filled iron post, 36 ins. long, 1 in. diam., 30 ins. in the ground, in a rock collar.</p> <p>Add the marks T15S R3W T16S 2011 to the brass cap.</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>This cor. falls 90 lks., S. of the right bank, of a wash, 12 ft. high, bears S. 65° E. and N. 65° W.</p> <hr style="width: 20%; margin: 10px auto;"/>
40.035	<p>N. 89°57' W., beginning new measurement.</p> <p>The stan. cor. of secs. 31 and 32, monumented with an iron post, 2 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd. SC T15S R3W S31 S32 1939, with the remnants of a small mound of stone, N. of the cor., from which the original bearing trees</p> <p style="padding-left: 40px;">A multi-forked mesquite, 8 ins. diam., bears N. 15° E., 1.375 chs. dist., with no visible blaze. (Record: N. 16° E., 1.39 chs.)</p> <p style="padding-left: 40px;">A multi-forked mesquite, 8 ins. diam., bears N. 33 1/2° W., 1.04 chs. dist., with no visible blaze. (Record: N. 32 1/2° W.)</p> <p>Incorporate the remnants of the mound of stones in a rock collar.</p> <p>Add the marks T16S 2011 to the brass cap.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 89°59' W., on the S. bdy. of sec. 31.</p> <p>Over level terrain.</p>

**Dependent Resurvey of the Third Standard Parallel South(S. Bdy.),
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona**

CHAINS	
39.955	<p>The stan. 1/4 sec. cor. of sec. 31, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd. SC 1/4 S31 1939, from which the original bearing trees</p> <p style="padding-left: 40px;">A mesquite, 6 ins. diam., bears N. 78° W., 1.96 chs. dist., with no scribe marks visible on a blaze.</p> <p style="padding-left: 40px;">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.)</p> <p>Build a supporting mound of stone, 2 ft. diam., to brass cap.</p> <p>Add the marks T15S R3W T16S 2011 to the brass cap.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 89°57' W., beginning new measurement.</p> <p>Over level terrain.</p>
39.995	<p>The stan. cor. of Tps. 15 S., Rs. 3 and 4 W., 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 1939, from which the remaining original bearing trees</p> <p style="padding-left: 40px;">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.)</p> <p style="padding-left: 40px;">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.)</p> <p>Add the marks T16S 2011 to the brass cap.</p> <hr style="width: 80%; margin: 10px auto;"/> <p align="center">Dependent Resurvey of the East Boundary, T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona</p> <hr style="width: 80%; margin: 10px auto;"/> <p align="center">Restoring the survey executed by W.H. Thorn and Loyd E. Sechrist, in 1918</p> <hr style="width: 20%; margin: 10px auto;"/> <p>From the stan. cor. of T. 15 S., Rs. 2 and 3 W., hereinbefore described.</p> <p>N. 0°04' E., bet. secs. 31 and 36.</p> <p>Over level terrain.</p>

Dependent Resurvey of the East Boundary
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
16.75	Indian Route 28, a graded road, 24 ft. wide, bears S. 85° E. and N. 85° W.
40.025	<p>The 1/4 sec. cor. of secs. 31 and 36, monumented with an iron post, 1 in. diam., firmly set, projecting 7 ins. above the ground, with brass cap mkd. 1/4 S36 S31 1918, from which the remains of an original bearing tree</p> <p style="padding-left: 40px;">A mesquite stump, 6 ins. diam., bears S. 88° E., 1.62 chs. dist., with no scribe marks visible on a possible blaze.</p> <p>Add the marks T15S R3W R2W 2011 to the brass cap.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°01' E., beginning new measurement.</p> <p>Over level terrain.</p>
40.02	<p>The cor. of secs. 25, 30, 31 and 36, monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above the ground, with brass cap mkd. T15S R3W R2W S25 S30 S36 S31 1918, from which the remains of the original bearing trees</p> <p style="padding-left: 40px;">A mesquite stump, 6 ins. diam., bears N. 22 3/4° E., 95 lks. dist., with no visible blaze. (Record: N. 24 1/2° E., 93 lks.)</p> <p style="padding-left: 40px;">A mesquite snag, 8 ins. diam., bears N. 24 1/2° W., 1.52 chs. dist., with no visible scribe marks on a possible weathered blaze.</p> <p>Add the marks 2011 to the brass cap.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°03' E., bet. secs. 25 and 30.</p> <p>Over level terrain.</p>
40.02	<p>The 1/4 sec. cor. of secs. 25 and 30, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd. 1/4 S25 S30 1918, from which the remains of the original bearing tree</p> <p style="padding-left: 40px;">A mesquite snag, 6 ins. diam., bears S. 65° E., 43 lks. dist., with no scribe marks visible on a weathered blaze.</p> <p>Add the marks T15S R3W R2W 2011 to the brass cap.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°03' E., beginning new measurement.</p>

Dependent Resurvey of the East Boundary
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
40.02	<p>The cor. of secs. 19, 24, 25 and 30, monumented with an iron post, 2 ins. diam., firmly set, projecting 13 ins. above the ground, with brass cap mkd. T15S R3W R2W S24 S19 S25 S30 1918, from which the remains of the original bearing tree</p> <p style="padding-left: 40px;">A mesquite snag, 8 ins. diam., bears N. 43 1/2° E., 1.21 chs. dist., with no scribe marks visible on a weathered blaze. (Record: N. 42 3/4° E.)</p> <p>Add the marks 2011 to the brass cap.</p> <hr/> <p>North, bet. secs. 19 and 24.</p> <p>Over level terrain.</p>
40.015	<p>The 1/4 sec. cor. of secs. 19 and 24, monumented with an iron post, 1 in. diam., firmly set, projecting 15 ins. above the ground, with brass cap mkd. 1/4 S24 S19 1918, from which the remains of the remaining original bearing tree</p> <p style="padding-left: 40px;">A mesquite stump, 8 ins. diam., bears S. 37° W., 1.03 chs. dist., with no blaze. (Record: S. 36° W.)</p> <p>Add the marks T15S R3W R2W 2011 to the brass cap.</p> <hr/> <p>N. 0°01' E., beginning new measurement.</p> <p>Over level terrain.</p>
40.01	<p>The cor. of secs. 13, 18, 19 and 24, monumented with an iron post, 2 ins. diam., firmly set, projecting 16 ins. above the ground, with brass cap mkd. T15S R3W R2W S13 S18 S24 S19 1918.</p> <p>Reset the concrete filled iron post, 36 ins. long, 2 ins. diam., 30 ins. in the ground.</p> <p>Add the marks 2011 to the brass cap.</p> <p>Deposit a magnet, in a white plastic case, at the base of the iron post.</p> <hr/> <p>N. 0°01' E., bet. secs. 13 and 18.</p> <p>Over level terrain.</p>
40.02	<p>The 1/4 sec. cor. of secs. 13 and 18, monumented with an iron post, 1 in. diam., firmly set, projecting 15 ins. above the ground, with brass cap mkd. 1/4 S18 S13 1918, from which the original bearing tree</p>

Dependent Resurvey of the East Boundary
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>A mesquite, 8 ins. diam., bears S. 50° W., 1.075 chs. dist., with scribe marks 1/4 S13 BT visible on a weathered blaze. (Record: 1.09 chs.)</p> <p>Add the marks T15S R3W R2W 2011 to the brass cap.</p> <hr style="width: 20%; margin: auto;"/> <p>North, beginning new measurement.</p> <p>Over level terrain.</p>
40.015	<p>The cor. of secs. 7, 12, 13 and 18, monumented with an iron post, 2 ins. diam., firmly set, projecting 15 ins. above the ground, with brass cap mkd. T15S R3W R2W S12 S7 S13 S18 1918, from which the original bearing trees</p> <p>A mesquite, 8 ins. diam., bears S. 57 1/2° E., 1.50 chs. dist., with no scribe marks visible on a weathered blaze.</p> <p>A mesquite stump, 8 ins. diam., bears N. 70 3/4° W., 1.54 chs. dist., with no scribe marks visible on a possible blaze.</p> <p>Reset the concrete filled iron post, 36 ins. long, 2 ins. diam., 29 ins. in the ground.</p> <p>Deposit a magnet, in a white plastic case, at the base of the iron post.</p> <p>Add the marks 2011 to the brass cap.</p> <hr style="width: 20%; margin: auto;"/> <p>North, bet. secs. 7 and 12.</p> <p>Over level terrain.</p>
40.03	<p>The 1/4 sec. cor. of secs. 7 and 12, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd. 1/4 S12 S7 1918, from which the remains of the original bearing tree</p> <p>A mesquite stump, 10 ins. diam., bears N. 64 1/4° W., 2.28 chs. dist., with no scribe marks visible on a possible weathered blaze.</p> <p>Add the marks T15S R3W R2W 2011 to the brass cap.</p> <hr style="width: 20%; margin: auto;"/> <p>North, beginning new measurement.</p>

**Dependent Resurvey of the East Boundary
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona**

CHAINS	
40.01	<p>The cor. of secs. 1, 6, 7 and 12, monumented with an iron post, 2 ins. diam., firmly set, projecting 11 ins. above the ground, with brass cap mkd. T15S R3W R2W S1 S6 S12 S7 1918, from which the remains of the original bearing tree</p> <p style="padding-left: 40px;">A mesquite stump, 8 ins. diam., bears N. 24 1/2° W., 3.27 chs. dist., with no visible blaze.</p> <p>Add the marks 2011 to the brass cap.</p> <hr/> <p>N. 0°01' E., bet. secs. 1 and 6.</p> <p>Over level terrain.</p>
8.10	Trail road, bears N. 75° E. and S. 75° W.
40.01	<p>The 1/4 sec. cor. of secs. 1 and 6, monumented with the remnants of the flange of the orig. iron post, set 18 ins. below the ground, set in a mound of stone, 3 ft. base, 1/2 ft. high. A portion of the iron post, 32 ins. long, 1 in. diam., with brass cap mkd. 1/4 S1 S6 1918, was found laying loose near the mound of stone.</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> <div style="text-align: center;"> <p>T 15 S R 3 W R 2 W 1/4 S 1 S 6</p> <p>2011</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Deposit the original concrete filled iron post, horizontally, alongside the stainless steel post.</p> <hr/> <p>N. 0°01' E., beginning new measurement.</p>
39.99	<p>The cor. of Tps. 14 and 15 S., Rs. 2 and 3 W., monumented with an iron post, 3 ins. diam., firmly set, projecting 14 ins. above the ground, in the remnants of a mound of stone, with brass cap mkd. T14S R3W R2W S36 S31 S1 S6 T15S 1918, witnessed by a mound of stone, 4 ft. base, 1 ft. high, S. of cor.</p> <p>Incorporate the remnants of both old mounds of stone and build a supporting mound of stone, 4 ft. base, to brass cap.</p>

**Dependent Resurvey of the East Boundary
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona**

CHAINS	<p>Add the marks 2011 to the brass cap.</p> <hr/> <p style="text-align: center;">Dependent Resurvey of a Portion of the West Boundary, T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p style="text-align: center;">Restoring the survey executed by W.H. Thorn, in 1918</p> <hr/> <p>From the cor. of secs. 7, 12, 13 and 18., monumented with an iron post, 2 ins. diam., firmly set, projecting 16 ins. above the ground, in a partial mound of stone, with brass cap mkd. T15S S12 S7 S13 S18 R4W R3W 1918.</p> <p>Rebuild the supporting mound of stone, 4 ft. base, to brass cap.</p> <p>Add the marks 2011 to the brass cap.</p> <p>N. 0°01' E., bet. secs. 7 and 12.</p> <p>Over rolling terrain.</p> <p>40.00 The 1/4 sec. cor. of secs. 7 and 12, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd. 1/4 S12 S7 1918.</p> <p>Add the marks T15S R4W R3W 2011 to the brass cap.</p> <hr/> <p>N. 0°01' E., beginning new measurement.</p> <p>40.04 The cor. of secs. 1, 6, 7 and 12, monumented with an iron post, 2 ins. diam., firmly set, projecting 24 ins. above the ground, in a mound of stone, 4 ft. base, to brass cap mkd. T15S S1 S6 S12 S7 R4W R3W 1918.</p> <p>Add the marks 2011 to the brass cap.</p> <hr/> <p>N. 0°01' E., bet. secs. 1 and 6.</p> <p>Over rolling terrain.</p> <p>39.99 The 1/4 sec. cor. of secs. 1 and 6, determined at the center of the remnants of a mound of stone, and confirmed by record bearing and distance from the original bearing tree</p> <p style="padding-left: 40px;">An ironwood, 8 ins. diam., bears N. 77° W., 11 lks. dist., with scribe marks 1/4 S1 BT visible on a partially healed blaze.</p>
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**Dependent Resurvey of a portion of the West Boundary
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona**

CHAINS

The original concrete filled iron post, 36 ins. long, 1 in. diam. was found laying loose in the remnants of the mound of stone.

At the corner point

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 4 W R 3 W
 1/4
S 1 | S 6

2011

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

Deposit the original concrete filled iron post, horizontally, alongside the stainless steel post.

N. 0°03' E., beginning new measurement.

Over level terrain.

39.98 The cor. of Tps. 14 and 15 S., Rs. 3 and 4 W., monumented with an iron post, 3 ins. diam., firmly set, projecting 30 ins. above the ground, in a mound of stone, 6 ft. base, to brass cap mkd. T14S R4W R3W S36 S31 S1 S6 T15S 1918.

Add the marks 2011 to the brass cap.

**Dependent Resurvey of the North Boundary,
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona**

Restoring the survey executed by
W.H. Thorn and Loyd E. Sechrist, in 1918

From the cor. of Tps. 14 and 15 S., Rs. 2 and 3 W., hereinbefore described.

West, bet. secs. 1 and 36.

Over rolling terrain.

Dependent Resurvey of the North Boundary
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
39.98	<p>The 1/4 sec. cor. of secs. 1 and 36, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above the ground, in the remnants of a mound of stone, with brass cap mkd. 1/4 S36 S1 1918, from which the remaining original bearing tree</p> <p style="padding-left: 40px;">A palo verde, 6 ins. diam., bears S. 23° E., 0.25 lks. dist., with no scribe marks visible on a weathered blaze. (Record: S. 32° E.)</p> <p>Rebuild the supporting mound of stone, 2 ft. base, 1/2 ft. high.</p> <p>Add the marks T14S R3W T15S 2011 to the brass cap.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>West, beginning new measurement.</p>
40.005	<p>The cor. of secs. 1, 2, 35 and 36, monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above the ground, with brass cap mkd. T14S R3W S35 S36 S2 S1 T15S 1918.</p> <p>Add the marks 2011 to the brass cap.</p> <hr style="width: 80%; margin: 10px auto;"/> <p>S. 89°58' W., bet. secs. 2 and 35.</p> <p>Over rolling terrain.</p>
40.01	<p>The 1/4 sec. cor. of secs. 2 and 35, determined at record distances from the remains of the original bearing trees</p> <p style="padding-left: 40px;">A mesquite snag, 8 ins. diam., bears S. 63 3/4° E., 1.77 chs. dist., with illegible scribe marks visible on a weathered blaze. (Record: S. 63 1/4° E.)</p> <p style="padding-left: 40px;">A mesquite snag, 10 ins. diam., bears N. 43 1/4° W., 1.00 chs. dist., with illegible scribe marks visible on a weathered blaze. (Record: N. 44° W.)</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin-top: 20px;"> <p>T 14 S R 3 W</p> <p style="padding-left: 40px;">S 35</p> <p style="padding-left: 40px;">1/4 ———</p> <p style="padding-left: 40px;">S 2</p> <p style="padding-left: 40px;">T 15 S</p> <p style="padding-left: 40px;">2011</p> </div>

**Dependent Resurvey of the North Boundary
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <hr/> <p>N. 89°59' W., beginning new measurement.</p> <p>Over rolling terrain.</p>
39.985	<p>The cor. of secs. 2, 3, 34 and 35, monumented with an iron post, 2 ins. diam., loosely set, projecting 18 ins. above the ground, in the remnants of a mound of stone, 3 ft. base, to brass cap mkd. T14S R3W S34 S35 S3 S2 T15S 1918, with the remnants of a mound of stone, 3 ft. base, 1 1/2 ft. high, W. of cor.</p> <p>Incorporate the remnants of both mounds of stones in a supporting mound of stone, 5 ft. base, to brass cap.</p> <p>Add the marks 2011 to the brass cap.</p> <hr/> <p>S. 89°58' W., bet. secs. 3 and 34.</p> <p>Over rolling terrain.</p>
40.095	<p>The 1/4 sec. cor. of secs. 3 and 34, monumented with an iron post, 1 in. diam., firmly set, projecting 13 ins. above the ground, with brass cap mkd. 1/4 S34 S3 1918, from which the remains of the original bearing trees</p> <p style="padding-left: 40px;">A mesquite snag, 14 ins. diam., bears N. 51 1/2° E., 1.395 chs. dist., with no visible blaze. (Record: 1.41 chs.)</p> <p style="padding-left: 40px;">A mesquite stump, 10 ins. diam., bears S. 61 1/4° W., 76 lks. dist., with no visible blaze.</p> <p>Add the marks T14S R3W T15S 2011 to the brass cap.</p> <hr/> <p>S. 89°57' W., beginning new measurement.</p> <p>Over rolling terrain.</p>
40.02	<p>The cor. of secs. 3, 4, 33 and 34, monumented with an iron post, 2 ins. diam., firmly set, projecting 14 ins. above the ground, with brass cap mkd. T14S R3W S33 S34 S4 S3 T15S 1918.</p> <p>Add the marks 2011 to the brass cap.</p> <hr/> <p>N. 89°55' W., bet. secs. 4 and 33.</p> <p>Over rolling terrain.</p>

**Dependent Resurvey of the North Boundary
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona**

CHAINS	
25.20	Indian Route 1, a paved road, 20 ft. wide, bears N. 20° E. and S. 20° W.
40.02	<p>The 1/4 sec. cor. of secs. 4 and 33, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd. 1/4 S33 S4 1918, from which the remains of the original bearing tree</p> <p style="padding-left: 40px;">A dead and fallen mesquite, 8 ins. diam., bears N. 28 1/4° E., 51 lks. dist., with no scribe marks visible on a weathered blaze. (Record: N. 20° E.)</p> <p>Add the marks T14S R3W T15S 2011 to the brass cap.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 89°56' W., beginning new measurement.</p> <p>Over rolling terrain.</p>
40.00	<p>The cor. of secs. 4, 5, 32 and 33, monumented with an iron post, 2 ins. diam., firmly set, projecting 13 ins. above the ground, with brass cap mkd. T14S R3W S32 S33 S5 S4 T15S 1918, from which the remains of the original bearing tree</p> <p style="padding-left: 40px;">A mesquite stump, 8 ins. diam., bears N. 76° E., 1.35 chs. dist., with no visible blaze. (Record: N. 77° E.)</p> <p>Add the marks 2011 to the brass cap.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 89°59' W., bet. secs. 5 and 32.</p> <p>Over rolling terrain.</p>
40.015	<p>The 1/4 sec. cor. of secs. 5 and 32, monumented with an iron post, 1 in. diam., firmly set, projecting 13 ins. above the ground, in the remnants of a mound of stone, with brass cap mkd. 1/4 S32 S5 1918.</p> <p>Add the marks T14S R3W T15S 2011 to the brass cap.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 89°59' W., beginning new measurement.</p>
40.01	<p>The cor. of secs. 5, 6, 31 and 32, monumented with an iron post, 2 ins. diam., firmly set, projecting 20 ins. above the ground, in a mound of stone, 2 ft. diam., 1 ft. high, with brass cap mkd. T14S R3W S31 S32 S6 S5 T15S 1918, witnessed by a mound of stone, 3 ft. base, 2 ft. high, W. of cor., from which the original bearing tree</p>

**Dependent Resurvey of the North Boundary
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>A palo verde, 8 ins. diam., bears S. 28 1/2° W., 47 lks. dist., with no scribe marks visible on a weathered blaze. (Record: S. 30° W.)</p> <p>Incorporate the remnants of both mounds of stones in a supporting mound of stone, 4 ft. base, to brass cap.</p> <p>Add the marks 2011 to the brass cap.</p> <hr/> <p>S. 89°59' W., bet. secs. 6 and 31.</p> <p>Over rolling terrain.</p>
39.965	<p>The 1/4 sec. cor. of secs. 6 and 31, monumented with an iron post, 1 in. diam., firmly set, projecting 11 ins. above the ground, in the remnants of a mound of stone, with brass cap mkd. 1/4 S31 S6 1918.</p> <p>Add the marks T14S R3W T15S 2011 to the brass cap.</p> <p>Corner falls on the left bank of a wash, 20 ft. wide, drains northerly.</p> <hr/> <p>S. 89°59' W., beginning new measurement.</p>
39.575	<p>The cor. of Tps. 14 and 15 S., Rs. 3 and 4 W., hereinbefore described.</p> <hr/> <p style="text-align: center;">Survey of a Portion of the Subdivisional Lines, T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the stan. cor. of secs. 34 and 35, hereinbefore described.</p> <p>North, bet. secs. 34 and 35.</p> <p>Over level terrain.</p>
24.00	<p>Indian Route 28, a graded road, 30 ft. wide, bears N. 80° E. and S. 80° W.</p>
26.50	<p>Westerly chain link fence, surrounding the sewage lagoon, bears S. 11° E. and N. 11° W.</p>
30.50	<p>Northerly chain link fence, surrounding the sewage lagoon, bears N. 79° E. and S. 79° W.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 34 and 35.</p>

Survey of a Portion of the Subdivisional Lines,
T. 15 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., 25 ins. in the ground, in a rock collar, with brass cap mkd.</p> <p style="text-align: center;">T 15 S R 3 W 1/4 S 34 S 35</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>Point for the cor. of secs. 26, 27, 34 and 35.</p> <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 15 S R 3 W S 27 S 26 S 34 S 35</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 stan. cor. of secs. 33 and 34, hereinbefore described.</p> <p>North, bet. secs. 33 and 34.</p> <p>Over level terrain.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 33 and 34.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a rock collar, with brass cap mkd.</p> <p style="text-align: center;">T 15 S R 3 W 1/4 S 33 S 34</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>Point for the cor. of secs. 27, 28, 33 and 34.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, in a collar of stone, with brass cap mkd.</p>

Survey of a Portion of the Subdivisional Lines,
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS									
	<table style="margin: auto;"> <tr><td>T 15 S</td><td>R 3 W</td></tr> <tr><td>S 28</td><td>S 27</td></tr> <tr><td>S 33</td><td>S 34</td></tr> </table>	T 15 S	R 3 W	S 28	S 27	S 33	S 34		
T 15 S	R 3 W								
S 28	S 27								
S 33	S 34								
	2011								
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.								
	<hr/>								
	From the cor. of secs. 26, 27, 34 and 35.								
	N. 89°57' W., bet. secs. 27 and 34.								
	Over level terrain.								
40.005	Point for the 1/4 sec. cor. of secs. 27 and 34.								
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.								
	<table style="margin: auto;"> <tr><td>T 15 S</td><td>R 3 W</td></tr> <tr><td>S 27</td><td></td></tr> <tr><td>1/4</td><td>—</td></tr> <tr><td>S 34</td><td></td></tr> </table>	T 15 S	R 3 W	S 27		1/4	—	S 34	
T 15 S	R 3 W								
S 27									
1/4	—								
S 34									
	2011								
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.								
80.01	Point for the cor. of secs. 27, 28, 33 and 34.								
	<hr/>								
	From the stan. cor. of secs. 32 and 33, hereinbefore described.								
	N. 0°01' W., bet. secs. 32 and 33.								
	Over level terrain.								
13.40	Indian Route 5, a graded road, 20 ft. wide, bears S. 40° E. and N. 40° W.								
39.10	Wash, 12 ft. wide, drains S. 30° E.								
40.00	Point for the 1/4 sec. cor. of secs. 32 and 33.								
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, in a rock collar, with brass cap mkd.								

Survey of a Portion of the Subdivisional Lines,
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
	T 15 S R 3 W 1/4 S 32 S 33 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. 28, 29, 32 and 33. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, in a rock collar, with brass cap mkd. T 15 S R 3 W S 29 S 28 ———— S 32 S 33 2011 Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	<hr/> From the cor. of secs. 27, 28, 33 and 34. N. 89°58' W., bet. secs. 28 and 33. Over level terrain.
22.60	Indian Route 1, a paved road, 24 ft. wide, bears N. 15° E. and S. 15° W.
39.98	Point for the 1/4 sec. cor. of secs. 28 and 33. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T 15 S R 3 W S 28 1/4 ——— S 33 2011 Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Over steep rugged terrain.
79.96	Point for the cor. of secs. 28, 29, 32 and 33. <hr/>

**Electronic Control Corner,
T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona**

CHAINS

Point selected for an Electronic Control Corner for Township 15 South, Range 3 West, is as follow:

Latitude: 32°07'05.72" N. Longitude: 112°34'37.86" W.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.

T 15 S R 3 W

EC NO1



GR NO 1089

2011

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

The cor. is located 2.80 chs. E. of the E. edge of the pavement of Indian Route 1, and 1.80 chs. N. of the apparent center line of an unnamed trail road.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 27 ins. in the ground for a reference monument, bears S. 80°25' E., 687.2 ft. dist., with brass cap mkd.
RM T15S R3W S16 687.2 FT. TO COR 2011 and an arrow pointing to the cor.

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground for a reference monument, bears S. 9°46' W., 33.0 ft. dist., with brass cap mkd.
RM T15S R3W S16 33.0 FT. TO COR 2011 and an arrow pointing to the cor.

T. 15 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	<p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>The south boundary of this township is located approximately 1 mile north of 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.</p> <p>The elevation of the east half of section 33 and all of 34 is approximately 2,200 ft. The west half of section 33 has a steep rocky hill with an elevation of 2614.</p> <p>Indian Route 1, a paved road, runs northerly and southerly through section 33, and through the remainder of the unsurveyed/protracted township. Indian Route 28, a graded road, runs northerly and easterly from the south boundary of section 34 to the easterly boundary of section 34, and easterly through unsurveyed/protracted sections 35 and 36. Indian Route 5, a graded road, runs northwesterly and southeasterly through the southwest corner of section 33, continuing northwesterly through the remainder of the unsurveyed/protracted township.</p> <p>The original notes for the east boundary of the township made calls for Indian allotment corners, but gave no description or history of them. A search was made for the Indian allotment corners, with no evidence found of any of them.</p> <p>The mean magnetic declination of 10 3/4° E. was derived from the National Geophysical Data Center's magnetic declination calculator, for the dates of the survey.</p> <hr/>
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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 the Third Standard Parallel South (south boundary), the east, north and a portion of the west boundaries, and the survey of a portion of the subdivisional lines, and the establishment of an Electronic Control Corner, T. 15 S., R. 3 W., 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 the Third Standard Parallel South (south boundary), the east, north and a portion of the west boundaries, and the survey of a portion of the subdivisional lines, and the establishment of an Electronic Control Point, T. 15 S., R. 3 W., 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 T. 15 S., R. 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)~~