

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF PORTIONS
OF THE SOUTH AND EAST BOUNDARIES AND
PORTIONS OF THE SUBDIVISIONAL LINES
AND
THE SURVEY OF PORTIONS OF
THE EAST AND NORTH BOUNDARIES
AND
PORTIONS OF THE SUBDIVISIONAL LINES,
TOWNSHIP 4 SOUTH, RANGE 21 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Christopher P. McDonald and Joe R. Salazar, Cadastral Surveyor

Under Special Instructions dated January 18, 2011, approved January 18, 2011, which provided for the surveys included under Group No. 1090, and assignment instructions dated January 18, 2011.

Survey commenced April 13, 2011

Survey completed October 13, 2011

INDEX DIAGRAM

TOWNSHIP 4 SOUTH RANGE 21 EAST
 GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona

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The following field notes describe the dependent resurvey of portions of the south and east boundaries and the survey of portions of the north and east boundaries and portions of the subdivisional lines, Township 4 South, Range 22 East, Gila and Salt River Meridian, Arizona.

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

The Amended South Boundary of the White Mountain Indian Reservation was surveyed by Philip Contzen, United States Deputy Surveyor, in 1900.

The North Boundary, Township 5 South, Range 21 East, Gila and Salt River Meridian, was surveyed by William E. Hiester, U.S. Surveyor and Charles E. Hunter, United States Transitman in 1929.

A portion of the South Boundary of the White Mountain Indian Reservation, was surveyed by Dupree R. Averill, United States Surveyor, in 1935.

A portion of the East Boundary and subdivisional lines, Township 4 South, Range 21 East, Gila and Salt River Meridian, was surveyed by Donald E. Harding, Cartographer-Cadastral, in 1955.

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 18, 2011, for Group Number 1090, 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 survey, 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) DH4134 AZKR KEARNY CORS ARP, DF5763 AZGB GILA COUNTY CORS ARP, DK7569 AZSF SAFFARD CORS ARP. The NAD 83 (CORS96) (EPOCH: 2002), geographic position of the corner of Townships 4 and 5 South, Ranges 21 and 22 East, is as follows:

T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS

Latitude: 33°02'04.26" N. Longitude: 110°08'17.33" W.

The NAD 83 (CORS96) (EPOCH: 2002), geographic position of the corner of Townships 3 and 4 South, Ranges 20 and 21 East, is as follows:

Latitude: 33°07'15.60" N. Longitude: 110°14'28.79" W.

The mean magnetic declination is 10 1/2° E.

**Dependent Resurvey of a Portion of the South Boundary,
T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona**

Restoring the survey executed by
William E. Hiester and Charles E. Hunter in 1928-29

Beginning at the cor. of Tps. 4 and 5 S., Rs. 21 and 22 E., monumented with an iron post, 3 ins. diam., firmly set, projecting 12 ins. above the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd. T4S R21E R22E S36 S31 S1 S6 T5S 1955.

Add the marks 2011 to the brass cap.

N. 89°57' W., bet. secs. 1 and 36, on the S. bdy. of the Tp.

Over rolling rocky terrain.

40.04 The 1/4 sec. cor. of secs. 1 and 36, monumented with an iron post, 1 in. diam., firmly set, projecting 27 ins. above the ground, with brass cap mkd. S36 1/4 S1 1928.

Reset the iron post, 36 ins. long, 23 ins. in the ground, in a supporting mound of stone, 5 ft. base to top.

Add the marks T4S R21E T5S 2011 to the brass cap.

N. 89°58' W., beginning new measurement, bet. secs. 1 and 36, on the S. bdy. of the Tp.

40.07 The cor. of secs. 1, 2, 35 and 36, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. T4S R21E S35 S36 S2 S1 T5S 1928, from which the remains of an orig. bearing tree

A dead and standing juniper, 50 in. diam. trunk, easterly branch, bears N. 74° W., 3.15 chs. dist., with scribe marks T4S R21E S35 BT.

Dependent Resurvey of a Portion of the South Boundary,
T. 4 S., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Add the marks 2011 to the brass cap.</p> <hr/>
	<p>N. 89°57' W., bet. secs. 2 and 35, on the S. bdy. of the Tp.</p> <p>Over rolling rocky terrain.</p>
40.07	<p>The 1/4 sec. cor. of secs. 2 and 35, monumented with an iron post, 1 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd. S35 1/4 S2 1928, with a scattered mound of stone, N. of cor.</p> <p>Add the marks T4S R21E, T5S and 2011 to the brass cap.</p> <p>Reconstruct mound of stone, 3 ft. base, 2 ft. high, N. of cor., utilizing the scattered mound of stone.</p> <hr/>
	<p>N. 89°58' W. , beginning new measurement, bet. secs. 2 and 35, on the S. bdy. of the Tp.</p>
40.08	<p>The cor. of secs. 2, 3, 34 and 35, monumented with an iron post, 2 ins. diam., firmly set, projecting 7 ins. above ground, with brass cap mkd. T4S R21E S34 S35 S3 S2 T5S 1955, with a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p> <p>Add the marks 2011 to the brass cap.</p> <hr/>
	<p>West, bet. secs. 3 and 34, on the S. bdy. of the Tp.</p> <p>Over broken rocky terrain.</p>
40.07	<p>The 1/4 sec. cor. of secs. 3 and 34, monumented with an iron post, 1 in. diam., firmly set, projecting 22 ins. above the ground, in a scattered supporting mound of stone, with brass cap mkd. S34 1/4 S3 1928, with a scattered mound of stone N. of cor.</p> <p>Reconstruct a supporting mound of stone, 4 ft. base to top, utilizing the accessory mound.</p> <p>Add the marks T4S R21E, T5S and 2011 to the brass cap.</p> <hr/>
	<p>N. 89°59' W., beginning new measurement, bet. secs. 3 and 34, on the S. bdy of the Tp.</p>
40.06	<p>The cor. of secs. 3, 4, 33 and 34, monumented with an iron post, 2 ins. diam., firmly set, projecting 25 ins. above ground, in a supporting mound of stone 4 1/2 base to top,, with brass cap mkd. T4S R21E S33 S34 S4 S3 1928.</p>

**Dependent Resurvey of a Portion of the South Boundary,
T. 4 S., R. 22 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>Add the marks 2011 to the brass cap.</p> <hr/> <p>N. 89°58' W., bet. secs. 4 and 33, on the S. bdy. of the Tp. Over rolling rocky terrain.</p> <p>40.05 The 1/4 sec. cor. of secs. 4 and 33, monumented with an iron post, 1 in. diam., firmly set, projecting 6 ins. above the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd. S33 1/4 S4 1928.</p> <p>Add the marks T4S R21E T5S and 2011 to the brass cap.</p> <hr/> <p style="text-align: center;">Dependent Resurvey of a Portion of the East Boundary, T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p style="text-align: center;">Restoring the survey executed by Donald E. Harding in 1955</p> <hr/> <p>From the cor. of Tps. 4 and 5 S., Rs. 21 and 22 E., hereinbefore described.</p> <p>N. 0°05' E., bet. secs. 31 and 36, on the E. bdy. of the Tp.</p> <p>40.00 The 1/4 sec. cor. of secs. 31 and 36, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 11 ins. above the ground, in a scattered mound of stone, 2 ft. base to top, with brass cap mkd. 1/4 S2 S31 1955.</p> <p>Reconstruct supporting mound of stone, 2 ft. base, to top, utilizing the scattered mound of stone.</p> <p>Add the marks 2011 to the brass cap.</p> <hr/> <p>N. 0°10' E., beginning new measurement, bet. secs. 31 and 36, on the E. bdy. of the Tp.</p> <p>40.06 The cor. of secs. 25, 30, 31 and 36, monumented with an iron post, 2 1/2 in. diam., firmly set, projecting 11 ins. above the ground, with brass cap mkd. T4S R21E R22E S25 S30 S36 S31 1955, with a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Add the marks 2011 to the brass cap.</p> <hr/> <p>N. 0°07' E., bet. secs. 25 and 30, on the E. bdy. of the Tp.</p>
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**Dependent Resurvey of a Portion of the East Boundary,
T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona**

CHAINS	
30.66	<p>The 1955 closing cor. of secs. 25 and 30, at intersection with the abandoned San Carlos Indian Reservation boundary, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 15 ins. above the ground, with brass cap mkd. SCIR S25 S30 R21E R22E CC T4S 1955.</p> <p>This cor. now functions as an Angle Point.</p> <p>Cor. is located 4 lks. S. of fence, bears S. 79° E. and N. 79° W.</p> <p>Add the marks 2011 to the brass cap.</p> <hr/> <p align="center">Dependent Resurvey of a Portion of the Subdivisional Lines, T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p align="center">Restoring the survey executed by Donald E. Harding in 1955</p> <hr/> <p>From the cor. of secs. 1, 2, 35 and 36, Tps. 4 and 5 S., R. 21 E., on the S. bdy. of the Tp., hereinbefore described.</p> <p>N. 3°45' W., bet. secs. 35 and 36.</p> <p>Over rolling rocky terrain.</p>
39.98	<p>The 1/4 sec. cor. of secs. 35 and 36, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 11 ins. above the ground, with brass cap mkd. 1/4 S35 S36 1955, with a mound of stone, 2 ft. base, 1 ft. high, W. of cor.</p> <p>Add the marks 2011 to the brass cap</p> <hr/> <p>N. 0°15' E., beginning new measurement, bet. secs. 35 and 36.</p>
40.04	<p>The cor. of secs. 25, 26, 35 and 36, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd. T4S R21E S26 S25 S35 S36 1955, with an accessory mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Add the marks 2011 to the brass cap</p> <hr/> <p>From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., hereinbefore described.</p> <p>N. 89°57' W., bet. secs. 25 and 36.</p> <p>Over rolling rocky train.</p>

Dependent Resurvey of a portion of the Subdivisional Lines,
T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.04	<p>The 1/4 sec. cor. of secs. 25 and 36, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 13 ins. above the ground, with brass cap mkd. 1/4 S25 S36 1955, with an accessory mound of stone, 2 ft. base, 1 ft. high, W. of cor.</p> <p>Add the marks T4S R21E and 2011 to the brass cap.</p> <hr/> <p>S. 89°51' W., beginning new measurement, bet. secs. 25 and 36.</p> <p>Over rolling rocky train.</p>
42.66	<p>The cor. of secs. 25, 26, 35 and 36.</p> <hr/> <p style="text-align: center;">Survey of a Portion of the East Boundary, T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the 1955 closing cor. of secs. 25 and 30, at intersection with the abandoned San Carlos Indian Reservation boundary, on the E. bdy. of the Tp., hereinbefore described.</p> <p>North, bet. secs. 25 and 30, along the E. bdy. of the Tp.</p> <p>Over rolling, rocky and broken terrain.</p>
9.34	<p>Point for the 1/4 sec. cor. of secs. 25 and 30.</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 4 S R 21 E R 22 E 1/4 S 25 S 30</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>
49.34	<p>Point for the cor. of secs. 19, 24, 25 and 30.</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 4 S R 21 E R 22 E S 24 S 19 S 25 S 30</p> <p style="text-align: center;">2011</p>

Survey of a Portion of the East Boundary,
T. 4 S., R. 21 E., 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> <p>Terrain, rolling to broken. Soil, rocky loam. Timber, mesquite; undergrowth, yucca and bunch grass.</p> <hr/> <p>North, bet. secs. 19 and 24, along the E. bdy. of the Tp.</p> <p>Over rolling and rocky terrain.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 19 and 24.</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 4 S R 21 E R 22 E 1/4 S 24 S 19 </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. 13, 18, 19 and 24.</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 4 S R 21 E R 22 E S 13 S 18 S 24 S 19 </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>Raise a mound of stone, 3 ft. base 2 ft. high, W. of cor.</p> <p>Terrain, rolling to rocky broken. Soil, rocky loam. Timber, mesquite and palo negro; undergrowth, prickly pear and yucca.</p> <hr/> <p>North, bet. secs. 13 and 18, along the E. bdy. of the Tp.</p>

Survey of a Portion of the East Boundary,
T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Over rolling and rocky terrain.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 13 and 18.</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 4 S R 21 E R 22 E 1/4 S 13 S 18 </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. 7, 12, 13 and 18.</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 4 S R 21 E R 22 E S 12 S 7 S 13 S 18 </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>Terrain, rolling to rocky broken. Soil, rocky loam. Timber, mesquite and palo negro; undergrowth, prickly pear, mormon tea and yucca.</p> <hr/> <p>North, bet. secs. 7 and 12, along the E. bdy. of the Tp.</p> <p>Over rolling and rocky terrain.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 7 and 12.</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 4 S R 21 E R 22 E 1/4 S 12 S 7 </p> <p style="text-align: center;">2011</p>

Survey of a Portion of the East Boundary,
T. 4 S., R. 21 E., 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> <p>Raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.</p>															
80.00	<p>Point for the cor. of secs. 1, 6, 7 and 12.</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> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td></td><td style="text-align: center;">T 4 S</td><td></td></tr> <tr><td style="text-align: center;">R 21 E</td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;">R 22 E</td><td></td></tr> <tr><td style="text-align: center;">S 1</td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;">S 6</td><td></td></tr> <tr><td colspan="3" style="border-top: 1px solid black;"></td></tr> <tr><td style="text-align: center;">S 12</td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;">S 7</td><td></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>Raise a mound of stone, 3 1/2 ft. base, 2 ft. high, W. of cor.</p> <p>Terrain, rolling to rocky broken. Soil, rocky loam. Timber, mesquite; undergrowth, prickly pear and bunch grass.</p> <hr/> <p>North, bet. secs. 1 and 6, along the E. bdy. of the Tp.</p> <p>Over rolling and rocky terrain.</p>		T 4 S		R 21 E	R 22 E		S 1	S 6					S 12	S 7	
	T 4 S															
R 21 E	R 22 E															
S 1	S 6															
S 12	S 7															
40.00	<p>Point for the 1/4 sec. cor. of secs. 1 and 6.</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;"> <table style="margin: auto;"> <tr><td></td><td style="text-align: center;">T 4 S</td><td></td></tr> <tr><td style="text-align: center;">R 21 E</td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;">R 22 E</td><td></td></tr> <tr><td></td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;">1/4</td><td></td></tr> <tr><td style="text-align: center;">S 1</td><td style="border-left: 1px solid black; border-right: 1px solid black; text-align: center;">S 6</td><td></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>		T 4 S		R 21 E	R 22 E			1/4		S 1	S 6				
	T 4 S															
R 21 E	R 22 E															
	1/4															
S 1	S 6															
76.79	<p>Point for the cor. of Tps. 3 and 4 S., Rs. 21 and 22 E.</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 East Boundary,
T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona**

CHAINS

	T 3 S	
R 21 E		R 22 E
S 36		S 31
S 1		S 6
	T 4 S	

2011

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

Raise a mound of stone, 3 1/2 ft. base, 2 1/2 ft. high, S. of cor.

Terrain, rolling to rocky broken.

Soil, rocky loam.

Timber, mesquite and palo negro; undergrowth, prickly pear, mormon tea and bunch grass.

**Survey of a Portion of the North Boundary,
T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona**

From the cor. of Tps. 3 and 4 S., Rs. 21 and 22 E., hereinbefore described.

West, bet. secs. 1 and 36, along the N. bdy. of the Tp.

40.00 Point for the 1/4 sec. cor. of secs. 1 and 36.

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

	T 3 S	R 22 E
	S 36	
	1/4	———
	S 1	
	T 4 S	

2011

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

Raise a mound of stone, 3 ft. base, 2 1/2 ft. high, N. of cor.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

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

Survey of a Portion of the North Boundary,
T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS											
	<div style="text-align: center;"> <table border="1"> <tr><td>T 3 S</td><td>R 21 E</td></tr> <tr><td>S 35</td><td>S 36</td></tr> <tr><td>S 2</td><td>S 1</td></tr> <tr><td colspan="2">T 4 S</td></tr> </table> <p>2011</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Terrain, rolling rocky. Soil, rocky loam. Timber, mesquite and palo negro; undergrowth, mormon tea, bunch grass and prickly pear.</p> <hr/> <p>West, bet. secs. 2 and 35, along the N. bdy. of the Tp.</p> <p>Over rolling rocky terrain.</p> </div>	T 3 S	R 21 E	S 35	S 36	S 2	S 1	T 4 S			
T 3 S	R 21 E										
S 35	S 36										
S 2	S 1										
T 4 S											
40.00	<p>Point for the 1/4 sec. cor. of secs. 2 and 35.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td>T 3 S</td><td>R 21 E</td></tr> <tr><td>S 35</td><td></td></tr> <tr><td>1/4</td><td>—</td></tr> <tr><td>S 2</td><td></td></tr> <tr><td colspan="2">T 4 S</td></tr> </table> <p>2011</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Raise a mound of stone, 3 1/2 ft. base 3 ft. high, N. of cor.</p> </div>	T 3 S	R 21 E	S 35		1/4	—	S 2		T 4 S	
T 3 S	R 21 E										
S 35											
1/4	—										
S 2											
T 4 S											
80.00	<p>Point for the cor. of secs. 2, 3, 34 and 35.</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> <div style="text-align: center;"> <table border="1"> <tr><td>T 3 S</td><td>R 21 E</td></tr> <tr><td>S 34</td><td>S 35</td></tr> <tr><td>S 3</td><td>S 2</td></tr> <tr><td colspan="2">T 4 S</td></tr> </table> <p>2011</p> </div>	T 3 S	R 21 E	S 34	S 35	S 3	S 2	T 4 S			
T 3 S	R 21 E										
S 34	S 35										
S 3	S 2										
T 4 S											

Survey of a Portion of the North Boundary,
T. 4 S., R. 21 E., 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> <p>Raise a mound of stone, 3 ft. base 2 1/2 ft. high, N. of cor.</p> <p>Terrain, rolling rocky to broken. Soil, rocky loam. Timber, mesquite; undergrowth, bunch grass and scattered cacti.</p> <hr/> <p>West, bet. secs. 3 and 34, along the N. bdy. of the Tp.</p> <p>Over rolling rocky terrain.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 3 and 34.</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;"> <p>T 3 S R 21 E S 34 1/4 ——— S 3 T 4 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>Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.</p>
80.00	<p>Point for the cor. of secs. 3, 4, 33 and 34.</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 3 S R 21 E S 33 S 34 S 4 S 3 T 4 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>Raise a mound of stone, 3 1/2 ft. base, 2 1/2 ft. high, N. of cor.</p>

**Survey of a Portion of the North Boundary,
T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona**

CHAINS

Terrain, rolling rocky.
Soil, rocky loam.
Timber, mesquite; undergrowth, bunch grass and scattered cacti.

West, along the N. bdy. of the Tp.

Over rolling rocky terrain.

238.99

Point for the cor. of Tps. 3 and 4 S., Rs. 20 and 21 E.

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

	T 3 S	
R 20 E		R 21 E
S 36		S 31
S 1		S 6
	T 4 S	

2011

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

Raise a mound of stone, 3 ft. base, 3 ft. high, S. of cor.

Cor. is located half way up an E. facing ridge, bears N. 30° E
and S. 30° W.

From this cor. point, the closing cor. of secs. 19 and 24, on
the W. bdy. of the Tp., monumented with an iron post, 3 ins.
diam., firmly set projecting 5 ins. above the ground, with brass
cap mkd. WMIR S24 S19 CC R20E R21E T4S 1929, established by
William E. Hiester, U.S. Surveyor, in 1929, bears South, 276.34
chs. Add the marks 2011 to the brass cap. This closing cor. now
functions as an angle point.

Terrain, rolling rocky.
Soil, rocky loam.
Timber, mesquite; undergrowth, creosote and scattered cacti.

**Survey of a Portion of the Subdivisional Lines,
T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona**

From the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the
Tp., hereinbefore described.

West, bet. secs. 24 and 25.

Over rolling rocky to broken terrain.

Survey of a Portion of the Subdivisional Lines,
T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.00	<p>Point for the 1/4 sec. cor. of secs. 25 and 25.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 4 S R 21 E S 24 1/4 ——— S 25</p> <p>2011</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.</p> <p>Cor. is located on SE. face of a ridge, bears N. 50° E. and S. 50° W.</p>
80.00	<p>Point for the cor. of secs. 23, 24, 25 and 26.</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 4 S R 21 E S 23 S 24 S 26 S 25</p> <p>2011</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Raise a mound of stone, 3 1/2 ft. base, 3 ft. high, W. of cor.</p> <p>Cor. is located on S. face of a slop, bears N. 70° E. and S. 70° W.</p> <p>Terrain, rolling rocky to broken. Soil, rocky loam. Timber, palo negro, juniper and iron wood; undergrowth, creosote, ocotillo, yucca, prickly pear and mormon tea.</p> <hr/> <p>N. 0°01' W., bet. secs. 23 and 24.</p> <p>Over broken to rolling rocky terrain.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 23 and 24.</p>

Survey of a Portion of the Subdivisional Lines,
T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, in a collar of stone, 3 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T 4 S R 21 E 1/4 S 23 S 24</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>Cor. is located on N. face of a ridge, bears N. 65° E. and N. 85° W.</p>
80.00	<p>Point for the cor. of secs. 13, 14, 23 and 24.</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 4 S R 21 E S 14 S 13 S 23 S 24</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>Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.</p> <p>Terrain, rolling rocky. Soil, rocky loam. Timber, palo negro; undergrowth, yucca, prickly pear, cholla and mormon tea.</p> <hr/> <p>From the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., hereinbefore described.</p> <p>West, bet. secs. 13 and 24.</p> <p>Over rolling rocky to broken terrain.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 13 and 24.</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 a Portion of the Subdivisional Lines,
T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T 4 S R 21 E S 13 1/4 ——— S 24</p> <p style="text-align: center;">2011</p>
80.00	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>The cor. of secs. 13, 14, 23 and 24.</p> <p>Terrain, rolling rocky. Soil, rocky loam. Timber, palo negro; undergrowth, yucca, prickly pear, cholla and mormon tea.</p> <hr/>
40.00	<p>N. 0°01' W., bet. secs. 13 and 14.</p> <p>Over rolling rocky terrain.</p> <p>Point for the 1/4 sec. cor. of secs. 13 and 14.</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>
80.00	<p style="text-align: center;">T 4 S R 21 E 1/4 S 14 S 13</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>Cor. is located on SE face of a ridge, bears S. 35° E. and N. 60° W.</p> <p>Point for the cor. of secs. 11, 12, 13 and 14.</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 4 S R 21 E S 11 S 12 S 14 S 13</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. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona

<p>CHAINS</p>	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Terrain, broken and rocky. Soil, rocky loam. Timber, mesquite and palo verde; undergrowth, creosote and scattered cacti.</p> <hr/> <p>From the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., hereinbefore described.</p> <p>West, bet. secs. 12 and 13.</p> <p>Over rocky broken terrain.</p> <p>40.00 Point for the 1/4 sec. cor. of secs. 12 and 13.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 4 S R 21 E S 12 1/4 ——— S 13</p> <p>2011</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.</p> <p>Cor. is located on N. face of a ridge, bears N. 65° E. and S. 80° W.</p> <p>80.00 The cor. of secs. 15, 16, 21 and 22.</p> <p>Terrain, broken and rocky. Soil, rocky loam. Timber, mesquite, palo negro and palo verde; undergrowth, creosote, ocotillo, yucca and cholla.</p> <hr/> <p>N. 0°01' W., bet. secs. 11 and 12.</p> <p>Over rolling rocky terrain.</p> <p>40.00 Point for the 1/4 sec. cor. of secs. 11 and 12.</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>
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Survey of a Portion of the Subdivisional Lines,
T. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T 4 S R 21 E 1/4 S 11 S 12</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>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p>
80.00	<p>Point for the cor. of secs. 1, 2, 11 and 12.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T 4 S R 21 E S 2 S 1 ----- S 11 S 12</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>Terrain, rolling rocky. Soil, rocky loam. Timber, mesquite and palo negro; undergrowth, prickly pear.</p>
40.00	<hr/> <p>From the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., hereinbefore described.</p> <p>West, bet. secs. 1 and 12.</p> <p>Over rolling rocky terrain.</p> <p>Point for the 1/4 sec. cor. of secs. 25 and 25.</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 4 S R 21 E S 1 1/4 ——— S 12</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. 4 S., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.</p>
80.00	<p>The cor. of secs. 1, 2, 11 and 12.</p> <p>Terrain, rolling rocky. Soil, rocky loam. Timber, mesquite and palo negro; undergrowth, prickly pear.</p> <hr/> <p>N. 0°01' W., bet. secs. 1 and 2.</p> <p>Over rolling rocky terrain.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 1 and 2.</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 4 S R 21 E 1/4 S 2 S 1 2011</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
76.80	<p>The cor. of secs. 1, 2, 35 and 36, hereinbefore described.</p> <p>Terrain, rolling rocky. Soil, rocky loam. Timber, mesquite and palo negro; undergrowth, prickly pear.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>This survey is located on the Can Carlos Apache Indian Reservation, Southeast of the community of Bylas. The terrain is rolling and broken, with mesas and ravines throughout. Access is primarily cross country with only small sections reached from various unimproved track roads</p> <p>The elevation varies from 2,900 to about 5,000 feet above sea level. The soil is mostly gravel and rocky loam. The vegetation is cacti, creosote and native grasses throughout the Tp.</p> <p>The mean magnetic declination of 10 1/2° E. was derived from the National Geophysical Data Center's magnetic declination calculator, GEOMAG v6.0, utilizing the International Geomagnetic Reference Field model for years 2010 through 2015, for the dates of survey.</p> <hr/>

CERTIFICATE OF SURVEY

We, Christopher P. McDonald and Joe R. Salazar, Cadastral Surveyors, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 18th day of January, 2011, we have dependently resurveyed portions of the south and east boundaries and surveyed portions of the north and east boundaries and portions of the subdivisional lines, Township 4 South, Range 21 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 Surveying Instructions for the Survey of the Public Lands of the United States, 2009, and in specific manner described in the foregoing field notes.

08/20/2012
(Date)

Christopher P. McDonald
(Cadastral Surveyor)

(Joe R. Salazar is currently unavailable for signature.)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of portions of the south and east boundaries and the survey of portions of the north and east boundaries and portions of the subdivisional lines, Township 4 South, Range 21 East, Gila and Salt River Meridian, in the State of Arizona, executed by Christopher P. McDonald and Joe R. Salazar, Cadastral Surveyors, having been critically examined and found correct, are hereby approved.

8/20/2012
(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 Township 4 South, Range 21 East, Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

(Date)

(Chief Cadastral Surveyor of Arizona)