

ORIGINAL

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

FIELD NOTES  
OF THE  
DEPENDENT RESURVEY  
OF THE  
EIGHTH STANDARD PARALLEL NORTH  
(SOUTH BOUNDARY),  
**TOWNSHIP 33 NORTH, RANGE 12 EAST,**  
OF THE GILA AND SALT RIVER MERIDIAN,  
IN THE STATE OF ARIZONA.

**EXECUTED BY**

**Daniel L. Maxey, Cadastral Surveyor**

Under Special Instructions dated February 10, 2009, approved February 10, 2009, and Supplemental Special Instructions dated March 26, 2009, approved March 26, 2009, which provided for the surveys included under Group No. 1059, and assignment instructions dated March 26, 2009.

**Survey commenced April 22, 2009**

**Survey completed June 16, 2009**

## INDEX DIAGRAM

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**GILA AND SALT RIVER MERIDIAN, ARIZONA**

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Eighth Standard Parallel North

**T. 33 N., R. 12 E., Gila and Salt River Meridian, Arizona**

CHAINS

The following field notes describe the dependent resurvey of the Eighth Standard Parallel North (south boundary), Township 33 North, Range 12 East, Gila and Salt River Meridian.

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

Philip Contzen surveyed the Eighth Standard Parallel North (south boundary), Township 33 North, Range 12 East, and portions of the East and West boundaries, Township 32 North, Range 12 East, in 1905. Sidney E. Blout surveyed a portion of the subdivisional lines of Township 32 North, Range 12 East, in 1907. W. William Foster dependently resurveyed the Eighth Standard Parallel North (north boundary), Township 32 North, Range 11 East, in 2006.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated February 10, 2009, and Supplemental Special Instructions dated March 26, 2009, which provided for the surveys included under Group No. 1059, Arizona.

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

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from Global Positioning System (GPS) static observations, post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) DJ8981 FST5 FLAGSTAFF 5 CORS ARP, DL1882 AZFL NAU FLAGSTAFF CORS ARP and DK8419 AZPG CITY OF PAGE CORS ARP. The NAD 83 (CORS96) (EPOCH: 2002.0000) geographic position of southeast corner of the township is as follows:

Latitude: 36°11'26.45" N.                      Longitude: 111°02'44.38" W.

The mean magnetic declination is 11 1/4° E.

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**Dependent Resurvey of the  
Eighth Standard Parallel North (South Boundary),  
T. 33 N., R. 12 E., Gila and Salt River Meridian, Arizona**

CHAINS

Restoring the survey executed by  
Philip Contzen, in 1905

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Beginning at the stan. cor. of Tps. 33 N., Rs. 12 and 12 1/2 E., originally designated as the stan. cor. of Tps. 33 N., Rs. 12 and 13 E., determined at record bearing and distance from the stan. cor. of secs. 35 and 36, T. 33 N., R. 12 E., hereinafter described. Fragments of the orig. limestone were found scattered nearby, however the orig. cor. position was undeterminable. There is no remaining evidence of the 1907 closing cor. of Tps. 32 N., Rs. 12 and 13 E.

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

SC	
T 33 N	
R 12 E	R 12 1/2 E
S 36	S 33

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2009

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

Bury the fragments of the orig. limestone alongside of the stainless steel post.

Cor. is located 68 lks. N. of graded rd., 12 ft. wide, bears N. 70° E. and S. 70° W.

West, on the S. bdy. of sec. 36.

Over rolling, sandy land and sandstone outcrops.

40.00

Point for the stan. 1/4 sec. cor. of sec. 36, at proportionate dist., there is no remaining evidence of the orig. cor.

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

SC	
T 33 N	R 12 E
1/4 S 36	

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2009

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

**Dependent Resurvey of the  
Eighth Standard Parallel North (South Boundary),  
T. 33 N., R. 12 E., Gila and Salt River Meridian, Arizona**

## CHAINS

80.00

The stan. cor. of secs. 35 and 36, monumented with a limestone, 12 x 6 x 5 ins., loosely set, 1 in. in the ground, with a portion broken off and missing, the remaining piece mkd. with 5 grooves on the W. face, SC and 1954 (not of record) on the N. face.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, encircled with a collar of stone, 3 ft. diam., with brass cap mkd.

SC	
T 33 N	R 12 E
S 35	S 36

2009

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

Bury the piece of the mkd. limestone alongside the stainless steel post.

N. 89°39' W., on the S. bdy. of sec. 35.

Over rolling, sandy land and sandstone outcrops.

15.21

Southeasterly right-of-way fence, 4 strand barbed wire, parallels highway.

17.05

U.S. Highway 160, asphalt surface, 36 ft. wide, bears N. 35°27' E. and S. 35°27' W.

20.72

Northwesterly right-of-way fence, 4 strand barbed wire, parallels highway.

40.17

Point for the stan. 1/4 sec. cor. of sec. 35, at proportionate dist., there is no remaining evidence of the orig. cor.

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

SC	
T 33 N	R 12 E
1/4 S 35	

2009

**Dependent Resurvey of the  
Eighth Standard Parallel North (South Boundary),  
T. 33 N., R. 12 E., Gila and Salt River Meridian, Arizona**

CHAINS										
80.34	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Point for the stan. cor. of secs. 34 and 35, at proportionate dist., there is no remaining evidence of the orig. cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td></td><td>SC</td><td></td></tr> <tr><td>T 33 N</td><td> </td><td>R 12 E</td></tr> <tr><td>S 34</td><td> </td><td>S 35</td></tr> </table> <hr style="width: 50%; margin: 0 auto;"/> <p>2009</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <hr style="width: 80%; margin: 10px auto;"/> <p>N. 89°39' W., on the S. bdy. of sec. 34.</p> <p>Over rolling, sandy land and sandstone outcrops.</p>		SC		T 33 N		R 12 E	S 34		S 35
	SC									
T 33 N		R 12 E								
S 34		S 35								
40.17	<p>The stan. 1/4 sec. cor. of sec. 34, monumented with a limestone, 14 x 9 x 5 ins., loosely set, 1 in. in the ground, mkd. with 1/4 SC on the N. face.</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;"> <table style="margin: auto;"> <tr><td></td><td>SC</td><td></td></tr> <tr><td>T 33 N</td><td> </td><td>R 12 E</td></tr> <tr><td>1/4 S 34</td><td> </td><td></td></tr> </table> <hr style="width: 50%; margin: 0 auto;"/> <p>2009</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Bury the mkd. limestone alongside the stainless steel post.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 89°19' W., beginning new measurement.</p>		SC		T 33 N		R 12 E	1/4 S 34		
	SC									
T 33 N		R 12 E								
1/4 S 34										
40.10	<p>The stan. cor. of secs. 33 and 34, monumented with a stainless steel post, 2 1/2 ins. diam., projecting 3 ins. above ground, with brass cap mkd. SC T33N R12E S33 S34 2006.</p>									

**Dependent Resurvey of the  
Eighth Standard Parallel North (South Boundary),  
T. 33 N., R. 12 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Add the marks 2009 to the brass cap.</p> <hr/> <p>N. 89°47' W., on the S. bdy. of sec. 33.</p> <p>Over rolling, sandy land and sandstone outcrops.</p>
40.05	<p>Point for the stan. 1/4 sec. cor. of sec. 33, at proportionate dist., there is no remaining evidence of the orig. cor.</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;">SC T 33 N R 12 E <u>1/4 S 33</u></p> <p style="text-align: center;">2009</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
80.10	<p>Point for the stan. cor. of secs. 32 and 33, at proportionate dist., there is no remaining evidence of the orig. cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in ground, with brass cap mkd.</p> <p style="text-align: center;">SC T 33 N   R 12 E <u>S 32   S 33</u></p> <p style="text-align: center;">2009</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <hr/> <p>N. 89°47' W., on the S. bdy. of sec. 32.</p> <p>Over rolling, sandy land and sandstone outcrops.</p>
40.05	<p>Point for the stan. 1/4 sec. cor. of sec. 32, at proportionate dist., there is no remaining evidence of the orig. cor.</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>

**Dependent Resurvey of the  
Eighth Standard Parallel North (South Boundary),  
T. 33 N., R. 12 E., Gila and Salt River Meridian, Arizona**

CHAINS	
80.10	<p style="text-align: center;">SC T 33 N R 12 E <u>1/4 S 32</u></p> <p style="text-align: center;">2009</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Point for the stan. cor. of secs. 31 and 32, at proportionate dist., there is no remaining evidence of the orig. cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in ground, with brass cap mkd.</p>
40.05	<p style="text-align: center;">SC T 33 N   R 12 E <u>S 31   S 32</u></p> <p style="text-align: center;">2009</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel fence post alongside.</p> <hr style="width: 50%; margin-left: auto; margin-right: auto;"/> <p>N. 89°47' W., on the S. bdy. of. sec. 31.</p> <p>Over rolling, sandy land and sandstone outcrops.</p> <p>Point for the stan. 1/4 sec. cor. of sec. 31, at proportionate dist., there is no remaining evidence of the orig. cor.</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;">SC T 33 N R 12 E <u>1/4 S 31</u></p> <p style="text-align: center;">2009</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>



**Dependent Resurvey of the  
Eighth Standard Parallel North (South Boundary),  
T. 33 N., R. 12 E., Gila and Salt River Meridian, Arizona**

CHAINS

80.10

The stan. cor. of Tps. 33 N., Rs. 11 and 12 E., monumented with a stainless steel post, 2 1/2 ins. diam., projecting 5 ins. above ground, with brass cap mkd. SC T33N R11E R12E S36 S31 2006.

Add the marks 2009 to the brass cap.

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GENERAL DESCRIPTION

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The area surveyed is east of the vicinity of Tuba City, Arizona. The terrain varies from gently rolling to broken land, with scattered mesas, washes, sand dunes and sandstone outcrops.

The elevation ranges from 5,200 ft. to 5,400 ft. above sea level. The soil is generally sandy loam, with some exposed bedrock. The vegetation consists of native grasses, greasewood, rabbit brush, sagebrush and yucca.

Access to the area is provided by U.S. Highway 160, which traverses through the SE corner of the township, and numerous trail roads throughout the township. There are very few residents in the area and the land is used primarily for grazing of livestock.

There is no evidence of active mining at the present time.

The mean magnetic declination of 11 1/4° E. was derived from the computer program GEOMAGIX utilizing the World Magnetic Model for Epoch 2005 for the dates of survey.

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CERTIFICATE OF SURVEY

I, Daniel L. Maxey, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 10th day of February, 2009 and Supplemental Special Instructions bearing date of the 26th day of March, 2009, I have dependently resurveyed the Eighth Standard Parallel North (south boundary), T. 33 N., R. 12 E., 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, supplemental special instructions and the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

7-16-09  
(Date)

Daniel L. Maxey  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Phoenix Arizona

The foregoing field notes of the dependent resurvey of the Eighth Standard Parallel North (south boundary), T. 33 N., R. 12 E., Gila and Salt River Meridian, in the State of Arizona, executed by Daniel L. Maxey, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

7/28/2009  
(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. 33 N., R. 12 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~\_\_\_\_\_  
(Date)~~

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(Chief Cadastral Surveyor of Arizona)~~