

ORIGINAL

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

FIELD NOTES  
OF THE  
DEPENDENT RESURVEY OF  
A PORTION OF THE SOUTH BOUNDARY  
AND  
A PORTION OF THE SUBDIVISIONAL LINES

**TOWNSHIP 9 SOUTH, RANGE 4 EAST,**  
OF THE GILA AND SALT RIVER MERIDIAN,  
IN THE STATE OF ARIZONA.

**EXECUTED BY**

**Joe R. Salazar, Cadastral Surveyor**

Under Special Instructions dated January 13, 2006, approved January 13, 2006, which provided for the surveys included under Group No. 979, and assignment instructions dated January 13, 2006.

**Survey commenced January 13, 2006**

**Survey completed March 1, 2006**

**INDEX DIAGRAM**

TOWNSHIP 9 SOUTH                      RANGE 4 EAST  
 GILA AND SALT RIVER MERIDIAN, ARIZONA

|    |    |    |    |      |              |
|----|----|----|----|------|--------------|
| 6  | 5  | 4  | 3  | 2    | 1            |
| 7  | 8  | 9  | 10 | 11   | 12           |
| 18 | 17 | 16 | 15 | 14   | 13           |
| 19 | 20 | 21 | 22 | 23   | 24           |
| 30 | 29 | 28 | 27 | 26   | 25           |
| 31 | 32 | 33 | 34 | 35 4 | 5<br>36<br>4 |

**T. 9 S., R. 4 E., Gila and Salt River Meridian, Arizona**

CHAINS

The following field notes describe the dependent resurvey of a portion of the south boundary and a portion of the subdivisional lines, Township 9 South, Range 4 East, Gila and Salt River Meridian, Arizona.

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

Ridgley C. Powers surveyed the First Guide Meridian East (east boundary), in 1885. Ridgley C. Powers resurveyed the First Guide Meridian East (east boundary), in 1887. W. H. Thorn and W. K. Kierulff resurveyed a portion of the First Guide Meridian East (east boundary), the south boundary, a portion of the west boundary and a portion of the subdivisional lines in 1914-1915. Joe R. Salazar resurveyed a portion of the First Guide Meridian East (east boundary), in 2006, concurrently under this same group number.

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 January 13, 2006, for Group No. 979, 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) AZMO MARICOPA CORS ARP, AZCL COOLIDGE CORS ARP, and COT1 TUCSON CORS ARP. The NAD 83 (1996), geographic position of the corner of sections 25, 30, 31 and 36 on the east boundary of the township, is as follows:

Latitude: 32°36'29.57" N.                      Longitude: 111°53'43.20" W.

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

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**Dependent Resurvey of a Portion of the South Boundary,  
T. 9 S., R. 4 E., Gila and Salt River Meridian, Arizona**

CHAINS

Restoring the survey executed by  
W. H. Thorn and W. K. Kierulff, in 1914-15

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Beginning at the cor. of Tps. 9 and 10 S., Rgs. 4 and 5 E., monumented with iron post, 3 ins. diam., firmly set, projecting 5 ins. above the ground, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the First Guide Meridian East (W. bdy.), T. 9 S., R. 5 E., conducted concurrently under this same group.

N. 89°56' W., bet. secs. 1 and 36, on the S. bdy. of the Tp.

Over nearly level desert terrain, through scattered mesquite brush.

40.02 The 1/4 sec. cor. of secs. 1 and 36, monumented with an iron post, 1 in. diam., firmly set, projecting 20 ins. above the ground, in a supporting mound of stone, 3 ft. base, to top, with brass cap mkd. S36 1/4 S1 1915.

Add the marks T9S R4E T10S 2006 to the brass cap.

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N. 89°59' W., beginning new measurement.

40.03 The cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., monumented with an iron post, 3 ins. diam., firmly set, projecting 16 ins. above the ground, with brass cap mkd. T9S R4E S35 S36 S2 S1 T10S 1915.

Add the marks 2006 to the brass cap.

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**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 9 S., R. 4 E., Gila and Salt River Meridian, Arizona**

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Restoring the survey executed by  
W. H. Thorn and W. K. Kierulff, in 1914-15

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From the cor. of secs 1, 2, 35 and 36, on the S. bdy. of the Tp., hereinbefore described.

N. 0°01' E., bet. secs. 35 and 36.

Over nearly level desert terrain, through scattered mesquite brush.

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 9 S., R. 4 E., Gila and Salt River Meridian, Arizona

| CHAINS |  |
|--------|--|
| 40.02  | <p>The 1/4 sec. cor. of secs. 35 and 36, monumented with the remains of an iron post, 1 in. diam., filled with concrete, firmly set, 14 ins. below the surface of the ground, brass cap is missing.</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, with brass cap mkd.</p> <p style="text-align: center;">T 9 S R 4 E<br/>1/4<br/>S 35   S 36</p> <p style="text-align: center;">2006</p> <p>Deposit the remains of the iron post inside of and a magnet in a white plastic case at the base of the stainless steel post.</p>  |
|        | <p>N. 0°01' E., beginning new measurement.</p>   |
| 40.00  | <p>The cor. of secs. 25, 26, 35 and 36, monumented with the remains of an iron post, 2 ins. diam., filled with concrete, firmly set, 12 ins. below the surface of the ground, with 20 ins. of the iron post with brass cap lying loose on ground, mkd. T9S R4E S26 S25 S35 S36 1915.</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> <p style="text-align: center;">T 9 S R 4 E<br/>S 26   S 25<br/>S 35   S 36</p> <p style="text-align: center;">2006</p> <p>Deposit the remains of the iron post inside of and a magnet in a white plastic case at the base of the stainless steel post.</p> |
|        | <p>From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., monumented with an iron post, 3 ins. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the First Guide Meridian East (W. bdy.), T. 9 S., R. 5 E., conducted concurrently under this same group.</p> <p>N. 89°56' W., bet. secs. 25 and 36.</p>   |

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 9 S., R. 4 E., Gila and Salt River Meridian, Arizona

|        |   |
|--------|---|
| CHAINS | <p>Over nearly level desert terrain, through scattered mesquite brush.</p> <p>39.99 The 1/4 sec. cor. of secs. 25 and 36, monumented with an iron post, 1 in. diam., firmly set, projecting 11 ins. above the ground, with brass cap mkd. S25 1/4 S36 1915.</p> <p>Add the marks T9S R4E 2006 to the brass cap.</p> <hr/> <p>N. 89°56' W., beginning new measurement.</p> <p>40.02 The cor. of secs. 25, 26, 35 and 36.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>The area embraced by this survey is located in the Tohono O'odham Indian Reservation near the village of Tat Momoli. Indian route 15 is the main access to the area.</p> <p>The terrain is nearly level desert terrain. Vegetation consists of mesquite bushes, saguaro, cactus and bunch grass.</p> <p>The area is used primarily for grazing with scattered mining activity in the area of the Mineral Surveys.</p> <p>The mean magnetic declination of 11 1/4° E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 2005 for the dates of survey.</p> <hr/> |
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CERTIFICATE OF SURVEY

I, Joe R. Salazar, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 13 day of January, 2006, I have dependently resurveyed a portion of the south boundary and a portion of the subdivisional lines, T. 9 S., R. 4 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, the Manual of Instructions for the Survey of the Public Lands of the United States, 1973 and in specific manner described in the foregoing field notes.

9/11/06  
(Date)

Joe R. Salazar  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the south boundary and a portion of the subdivisional lines, T. 9 S., R. 4 E., Gila and Salt River Meridian, in the State of Arizona, executed by Joe R. Salazar, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

3/20/2007  
(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. 9 S., R. 4 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)~~