

ORIGINAL

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

FIELD NOTES

OF THE

THE DEPENDENT RESURVEY OF A PORTION OF THE NORTH BOUNDARY  
AND A PORTION OF THE SUBDIVISIONAL LINES  
AND THE SUBDIVISION OF SECTIONS 2 AND 10,

TOWNSHIP 27 NORTH, RANGE 8 EAST,  
OF THE GILA AND SALT RIVER MERIDIAN,  
IN THE STATE OF ARIZONA

**EXECUTED BY**

**W. William Foster, Cadastral Surveyor**

Under Special Instructions dated July 29, 2004, approved July 29, 2004,  
which provided for the surveys included under Group No. 941, and assignment  
instructions dated July 29, 2004.

**Survey commenced August 2, 2004**

**Survey completed August 9, 2004**

**INDEX DIAGRAM**

TOWNSHIP 27 NORTH                  RANGE 8 EAST

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**T. 27 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS

The following field notes describe the dependent resurvey of a portion of the north boundary and a portion of the subdivisional lines and the subdivision of sections 2 and 10, Township 27 North, Range 8 East, Gila and Salt River Meridian, Arizona.

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

Phillip Contzen surveyed the Second Guide Meridian East (east boundary) through the township in 1905. Theodore O. Johnston and Phillip L. Inch retraced the Second Guide Meridian East through the township, surveyed the north, south, and west boundaries and surveyed the subdivisional lines in 1916. Dennis K. McKay resurveyed a portion of the Second Guide Meridian East in 1983.

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 July 29, 2004, for Group No. 941, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Topcon Hyper Plus 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.

As part of the survey request, stainless steel posts, with Navajo Nation logo brass caps replaced all 1916 monumentation.

Geodetic control was derived from first order U. S. Geological Survey triangulation station WAUNETA 1976, as published by the National Geodetic Survey, NAD 83 (1992). The geographic position of the South East cor. of sec. 10, is as follows:

Latitude: 35°43'41.64" N.                      Longitude: 111°31'08.36" W.

The mean magnetic declination is 12 1/4° E.

Dependent Resurvey of a Portion of the North Boundary,  
T. 27 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS

Restoring the survey executed by  
Theodore O. Johnson and Phillip L. Inch, in 1916

Beginning at the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., monumented with an iron post, 3 ins. diam., firmly set, projecting 14 ins. above the ground, with brass cap mkd. R8E T28N S35 S36 S2 S1 T27N 1916, with a scattered mound of stone, 3 ft. base, W. of cor.

At the corner point

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

T 28 N	R 8 E
S 35	S 36
S 2	S 1
T 27 N	

2004

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

Bury the iron post, 36 ins. long, alongside the stainless steel post.

Set a steel fence post W. of cor.

Rebuild the mound of stone, 3 ft. base, 2 ft. high, W. of cor.

S. 89°58' W., bet. secs. 2 and 35, on the N. bdy. of the Tp.

Over rolling land, through scattered bunch grass.

40.10

The 1/4 sec. cor. of secs. 2 and 35, monumented with an iron post, 1 in. diam., firmly set, 18 ins. below the surface of the ground, with brass cap mkd. 1/4 S35 S2 1916.

At the corner point

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

T 28 N	R 8 E
S 35	
1/4	—
S 2	
T 27 N	

2004

**Dependent Resurvey of a Portion of the North Boundary,  
T. 27 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS

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

Bury the iron post, 36 ins. long, alongside the stainless steel post.

Set a steel fence post alongside stainless steel post.

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N. 89°57' W., beginning new measurement.

40.04

The cor. of secs. 2, 3, 34 and 35, monumented with a portion of an iron post, 3 ins. diam., firmly set, below the surface of the ground, beneath a mound of stone, with the remaining portion of the iron post laying loose alongside, with brass cap mkd. R8E T28N S34 S35 S3 S2 T27N 1916.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.

T 28 N	R 8 E
S 34	S 35
S 3	S 2
T 27 N	

2004

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

Bury the iron post alongside the stainless steel post.

Set a steel fence post alongside the stainless steel post.

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**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 27 N., R. 8 E., Gila and Salt River Meridian, Arizona**

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Restoring the survey executed by  
Theodore O. Johnston and Phillip L. Inch, in 1916

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From the 1/4 sec. cor. of secs. 1 and 2, monumented with the 1916 supporting mound of stone, 3 ft. base, 2 ft. high.

At the corner point

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 27 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 11 ins. in the ground, to bedrock, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T 27 N R 8 E 1/4 S 2   S 1</p> <p style="text-align: center;">2004</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 the stainless steel post.</p> <p>From this cor. point, a limestone, not of record, 12 X 9 X 5 ins., firmly set, projecting 7 ins. above the ground, mkd. 1/4 2 on W. face, bears N. 29°36' W., 64 lks. dist.</p> <p>Bury limestone in place.</p> <p>N. 0°07' E., bet. secs. 1 and 2.</p> <p>Over level to rolling, rocky land, through scattered bunch grass.</p> <p>40.15 The cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., hereinbefore described.</p> <hr/> <p>From the cor. of secs. 10, 11, 14 and 15, monumented with an iron post, 2 ins. diam., loosely set, in a supporting mound of stone, 4 ft. base, 2 1/2 ft. high, with brass cap with illegible markings.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., on bedrock, in a supporting mound of stone, 5 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T 27 N R 8 E S 10   S 11 S 15   S 14</p> <p style="text-align: center;">2004</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Deposit the iron post beneath the supporting mound of stone.</p>
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Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 27 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.00	<p>Set a steel fence post alongside stainless steel post, in the supporting mound of stone.</p> <p>Cor. is located 6 lks. N. 30° W. of fence cor., with fences extending N. and W.</p> <p>N. 0°01' E., bet. secs. 10 and 11.</p> <p>Over rolling to level land, through scattered bunch grass.</p> <p>The 1/4 sec. cor. of secs. 10 and 11, monumented with an iron post, 1 in. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd. 1/4 S10 S11 1916.</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 27 N R 8 E 1/4 S 10   S 11 2004</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Bury the iron post alongside the stainless steel post.</p> <p>Set a steel fence post alongside the stainless steel post.</p> <p>Cor. located 3 lks. W. of barbed wire fence, bears N. and S.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°02' E., beginning new measurement.</p>
40.01	<p>The cor. of secs. 2, 3, 10 and 11, monumented with an iron post, 2 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd. T27N R8E S3 S2 S10 S11 1916.</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 27 N R 8 E S 3   S 2 S 10   S 11 2004</p>





**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 27 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	Over rolling land, through scattered bunch grass.
1.10	Dry, Cedar wash, 10 ft. deep, drains N. 74° E.
40.04	<p>The 1/4 sec. cor. of secs. 2 and 3, monumented with an iron post, 1 in. diam., firmly set, projecting 14 ins. above the ground, with brass cap mkd. 1/4 S3 S2 1916, with a mound of stone, 3 ft. base, 1 1/2 ft. high, W. of cor.</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 align="center">T 27 N R 8 E 1/4 S 3   S 2</p> <p align="center">2004</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Bury the iron post alongside the stainless steel post.</p> <p>Set a steel fence post alongside stainless steel post.</p> <p>A limestone, not of record, 12 X 11 X 8 ins., mkd. 1/4 2 on a face, located in the accessory mound of stone.</p> <hr/> <p>N. 0°07' W., beginning new measurement.</p>
40.10	<p>The cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., hereinbefore described.</p> <hr/> <p>From the cor. of secs. 10, 11, 14 and 15.</p> <p>S. 89°58' W., bet. secs. 10 and 15.</p> <p>Over rolling rocky land, through scattered bunch grass.</p>
40.09	<p>The 1/4 sec. cor. of secs. 10 and 15, determined S. from the 1916 mound of stone, embedded, 2 ft. base.</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 a Portion of the Subdivisional Lines,  
T. 27 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T 27 N R 8 E S 10 1/4 ——— S 15</p> <p style="text-align: center;">2004</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 the stainless steel post.</p> <p>From this cor. point, a limestone, not of record, 16 X 10 X 5 ins., firmly set, projecting 10 ins. above the ground, mkd. 1/4 10 on N. face, bears S. 89°22' E., 18 lks. dist.</p> <p>Bury limestone in place.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 89°57' W., beginning new measurement.</p>
23.85	Trail road, 12 ft. wide, bears N. 15° E. and S. 15° W.
40.08	The cor. of secs. 9, 10, 15 and 16, monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above the ground, with brass cap marked T27N R8E S9 S10 S16 S15 1916.
	<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 27 N R 8 E S 9   S 10 ——— ——— S 16   S 15</p> <p style="text-align: center;">2004</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Bury the iron post alongside the stainless steel post.</p> <p>Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.</p> <p>Set a steel fence post alongside the stainless steel post.</p> <p>Cor. is located 3 lks. N. of fence cor., with fences extending N., E. and S.</p> <hr style="width: 60%; margin: 10px auto;"/>

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 27 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	N. 0°04' E., bet. secs. 9 and 10.
	Over rolling rocky land, through scattered bunch grass.
40.14	The 1/4 sec. cor. of secs. 9 and 10, determined E. from the 1916 mound of stone, 3 ft. base, 1 1/2 ft. high.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground to bedrock, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.
	<p align="center">T 27 N R 8 E 1/4 S 9   S 10</p>
	<p align="center">2004</p>
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside the stainless steel post.
	From this cor. point a limestone, not of record, 11 X 10 X 4 ins., laying loose, mkd. 1/4 10 on a face, bears S. 29°08' E., 24 lks. dist.
	Bury the limestone in place.
	<hr/>
	North, beginning new measurement.
11.51	Cedar wash, 30 ft. wide, 5 ft. deep, drains N. 52° E.
29.57	Intersect southwesterly side of a wood corral. From this point the western most corner of the corral bears N. 69°26' W., 7.8 lks. dist.
29.77	Intersect northwesterly side of a wood corral. From this point the western most corner of the corral bears S. 24°03' W., 17.9 lks. dist.
39.92	The cor. of secs. 3, 4, 9 and 10, monumented with an iron post, 2 ins. diam., loosely set, projecting 26 ins. above the ground, with brass cap mkd. T27N R8E S4 S3 S9 S10 1916.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 27 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS									
	<table border="1"> <tr> <td>T 27 N</td> <td>R 8 E</td> </tr> <tr> <td>S 4</td> <td>S 3</td> </tr> <tr> <td>S 9</td> <td>S 10</td> </tr> </table>	T 27 N	R 8 E	S 4	S 3	S 9	S 10		
T 27 N	R 8 E								
S 4	S 3								
S 9	S 10								
	2004								
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.								
	Bury the iron post alongside the stainless steel post.								
	Set steel fence alongside the stainless steel post.								
	<hr/>								
	From the cor. of secs. 2, 3, 10 and 11.								
	S. 89°59' W., bet. secs. 3 and 10.								
	Over rolling rocky land, through scattered bunch grass.								
2.64	Dry, Cedar Wash, 50 ft. wide, 6 ft. deep, drains N. 74° E.								
40.07	The 1/4 sec. cor. of secs. 3 and 10, monumented with a portion of an iron post, 1 ins. diam., firmly set, below the surface of the ground, with the remaining portion of the iron post firmly set alongside, projecting 3 ins. above ground, with brass cap mkd. 1/4 S3 S10 1916, with a scattered mound of stone N. of cor.								
	At the corner point								
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.								
	<table border="1"> <tr> <td>T 27 N</td> <td>R 8 E</td> </tr> <tr> <td>S 3</td> <td></td> </tr> <tr> <td>1/4</td> <td>—</td> </tr> <tr> <td>S 10</td> <td></td> </tr> </table>	T 27 N	R 8 E	S 3		1/4	—	S 10	
T 27 N	R 8 E								
S 3									
1/4	—								
S 10									
	2004								
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.								
	Bury the remains of the iron post alongside the stainless steel post.								
	Rebuild mound of stone, 3 ft. base, 1 1/2 ft. high, N. of cor.								
	Set a steel fence post alongside the stainless steel post.								
	<hr/>								
	S. 89°59' W., beginning a new measurement.								

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 27 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
35.10	Trail road, 12 ft. wide, bears N. and S.
40.08	The cor. of secs. 3, 4, 9 and 10.
<hr/> <b>Subdivision of Section 2, T. 27 N., R. 8 E., Gila and Salt River Meridian, Arizona</b> <hr/>	
	<p>From the 1/4 sec. cor. of secs. 2 and 11.</p> <p>N. 0°03' W., on the N. and S. center line of sec. 2.</p> <p>Over rolling land, through scattered bunch grass.</p>
40.03	<p>Point for the center 1/4 sec. cor. of sec. 2, at intersection with the E. and W. center line.</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 27 N R 8 E C 1/4 S 2</p> <p style="text-align: center;">2004</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, 2 ft. base, 1 1/2 ft. high., W. of the cor.</p> <p>Set a steel fence post alongside the stainless steel post.</p> <p>From this cor. point, a limestone, not of record, 13 X 9 X 5 ins., firmly set, projecting 6 ins. above the ground, mkd. 2 on the W. face, with a scattered mound of stone W. of the cor., bears N. 51°45' W., 60 lks. dist.</p> <p>Bury the limestone in place.</p>
80.13	The 1/4 sec. cor. of secs. 2 and 35, on the N. boundary of the Tp.
	<hr/> <p>From the 1/4 sec. cor of secs. 1 and 2.</p> <p>N. 89°57' W., on the E. and W. center line of sec. 2.</p>
39.98	The center 1/4 sec. cor. of sec. 2.
79.98	The 1/4 sec. cor. of secs. 2 and 3.

**Subdivision of Section 10,  
T. 27 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>From the 1/4 sec. cor. of secs. 10 and 15.</p> <p>N. 0°02' E., on the N. and S. center line of sec. 10.</p> <p>Over rolling rocky land, through scattered bunch grass.</p>
40.07	<p>Point for the center 1/4 sec. cor. of sec. 10, at intersection with the E. and W. center line.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 17 ins. in the ground to bedrock, in a supporting mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T 27 N R 8 E C 1/4 S 10</p> <p style="text-align: center;">2004</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 the stainless steel post.</p>
80.04	<p>The 1/4 sec. cor. of secs. 3 and 10.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 10 and 11.</p> <p>N. 89°57' W., on the E. and W. center line of sec. 10.</p>
40.07	<p>The center 1/4 sec. cor. of sec. 10.</p>
80.13	<p>The 1/4 sec. cor. of secs. 9 and 10.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>The survey is located 3 miles W. of Gray mountain Arizona. Access is by way of highway 89 and various trail roads through the 2 sections.</p> <p>The terrain is generally level to rolling with sparse vegetation. The mean elevation is 4400 ft. Cedar wash runs northeasterly through section 10 with a check dam located in the north portion of section 2. Cattle and sheep grazing are the predominate activity in the area.</p> <p>The mean magnetic declination of 12 1/4° E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 2000 for the dates of survey.</p> <hr/>



