ORIGINAL

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF A PORTION OF THE SEVENTH STANDARD PARALLEL NORTH (SOUTH BOUNDARY),

A PORTION OF THE SUBDIVISION LINES

AND THE SUBDIVISION OF SECTIONS 22 AND 34

TOWNSHIP 29 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 August 17, 2004, approved August 17, 2004, which provided for the surveys included under Group No. 944, and assignment instructions dated August 17, 2004.

Survey commenced August 30, 2004

Survey completed September 2, 2004

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TOWNSHIP 29 NORTH RANGE 8 EAST GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 29 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the Seventh Standard Parallel North (south boundary), a portion of the subdivisional lines, and the subdivision of sections 22 and 34, Township 29 North, Range 8 East, Gila and Salt River Meridian, Arizona.

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

Philip Contzen surveyed a portion of the Seventh Standard Parallel North (south boundary) in 1905. Philip Contzen surveyed the Second Guide Meridian East (east boundary) through the township in 1905. Theodore O. Johnston and Philip L. Inch surveyed the south half of the west boundary in 1916. Thomas B. Mathews surveyed a portion of the west boundary in 1917. Dupree R. Averill surveyed the north half of the west boundary in 1931. Theodore O. Johnston and Philip L. Inch retraced a portion and surveyed the Seventh Standard Parallel North (south boundary) through the township, retraced and resurveyed a portion of the Second Guide Meridian East (east boundary) through the township, and surveyed the subdivisional lines of the south half of the township in 1916.

The survey was executed in accordance with the specifications as set forth in the <u>Manual of Instructions for the Survey of the Public Lands of the United States, 1973</u>, and the Special Instructions dated August 17, 2004, for Group No. 944, 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 a part of the survey request, stainless steel posts, with Navajo Nation logo brass caps replaced all 1916 monumentation.

Geodetic control was derived from second order Arizona Department of Transportation triangulation station POTHOLE 1976, as published by the National Geodetic Survey, NAD 83 (1992). The geographic position of the Standard corner of sections 34 and 35, is as follows:

Latitude: 35°50'39.32" N. Longitude: 111°30'55.04" W.

The mean magnetic declination is 12° E.

Dependent Resurvey of a Portion of the Seventh Standard Parallel North (South Boundary),

	Seventh Standard Parallel North (South Boundary), T. 29 N., R. 8 E., Gila and Salt River Meridian, Arizona			
CHAINS				
	Restoring the survey executed by Theodore O. Johnston and Philip L. Inch in 1916			
	Beginning at the stan. cor. of secs. 34 and 35, on the S. bdy of the Tp., monumented with an iron post, 3 ins. diam., firmly set, projecting 22 ins. above the ground, with brass cap mkd. ST29NR8E S34 S35 1916, with an accessory mound of stone, 2 ft base, 1 1/2 ft. high, N. of cor.			
	At the corner point			
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.			
	SC T 29 N R 8 E S 34 S 35			
	2004			
	Deposit a magnet in a white plastic case at the base of the stainless steel post and bury the iron post alongside the stainless steel post.			
	Set a steel fence post alongside stainless steel post.			
	S. 89°52' W., on the S. bdy. of the Tp.			
	Over rolling broken land, through scattered bunch grass.			
16.37	From this point, the closing cor. of secs. 2 and 3, T. 28 N., R. 8 E., monumented with an iron post, 2 ins. diam., firmly set, projecting 17 ins. above the ground, with brass cap mkd. T29N R8E S34 S35 CC S3 S2 T28N R8E 1916, with accessory mound of stone, 3 ft. base, 2 ft. high, S. of cor., bears N., 3 lks. dist.			
40.025	Point for the stan. 1/4 sec. cor. of sec. 34, at proportionate dist., there is no remaining evidence of the original cor.			
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.			
	SC T 29 N R 8 E 1/4 S 34			
	2004			

Dependent Resurvey of a Portion of the Seventh Standard Parallel North (South Boundary), T. 29 N., R. 8 E., Gila and Salt River Meridian, Arizona

INS

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.

80.05

The stan. cor. of secs. 33 and 34, monumented with an iron post, 3 ins. diam., firmly set, projecting 21 ins. above the ground, with brass cap mkd. SC T29NR8E S33 S34, with an accessory mound of stone, 3 ft. base, 1 ft. high, N. of cor. The brass cap is badly scarred and is difficult to read. There is a mkd. stone, 10 X 9 X 6 ins., laying loose alongside the post, with the marks SC T29 on a face and 3 grooves on opposing faces. This stone is not of record.

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.

SC T 29 N R 8 E S 33 | S 34

2004

Deposit a magnet in a white plastic case at the base of the stainless steel post and bury the mkd. stone and the iron post alongside the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 29 N., R. 8 E., Gila and Salt River Meridian, Arizona

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

From the stan. cor. of secs. 34 and 35, on the S. bdy. of the Tp., hereinbefore described.

N. 0°15' W., bet. secs. 34 and 35.

Over rolling to broken land, through scattered bunch grass.

40.02

The 1/4 sec. cor. of secs. 34 and 35, monumented with an iron post, 1 in. diam., loosely set in a scattered supporting mound of stone, with brass cap mkd. 1/4 S34 S35 1916, with an accessory mound of stone, 2 ft. base, W. of cor.

CHAINS

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, to bedrock, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.

T 29 N R 8 E 1/4 S 34 | S 35

2004

Deposit a magnet in a white plastic case at the base of the stainless steel post and bury the iron post alongside.

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

Set a steel fence post alongside the stainless steel post.

N. 0° 19' W., beginning new measurement.

Over rolling to broken land, through scattered bunch grass.

40.05

The cor. of secs. 26, 27, 34 and 35, monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above the ground, with brass cap mkd. T29NR8E S27 S26 S34 S35 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.

2004

Deposit a magnet in a white plastic case at the base of the stainless steel post and bury iron post alongside.

Build a mound of stone, 2 ft. base, 1 ft. high, W. of cor.

Set a steel fence post alongside the stainless steel post.

CHAINS

From the cor. of secs. 22, 23, 26 and 27, monumented with an iron post, 2 ins. diam., firmly set, projecting 21 ins. above the ground, in a scattered mound of stone, 3 ft. base, with brass cap mkd. T29NR8E S22 S23 S27 S26 1916.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 14 ins. in the ground, in a supporting mound of stone, 3 1/2 ft. base, to top, with brass cap mkd.

2004

Deposit a magnet in a white plastic case at the base of the stainless steel post and bury the iron post alongside.

Set a steel fence post alongside the stainless steel post.

N. 0°04' E., bet. secs. 22 and 23

Over rolling land, through scattered bunch grass.

- 11.95 Center line of State highway No. 64, 40 ft. wide, bears S. 84° E. and N. 72° W.
- The 1/4 sec. cor. of secs. 22 and 23, determined from a scattered mound of stone, 3 ft. base, 1 ft. high, with an accessory mound of stone, 2 ft. base, 1 1/2 ft. high, W. of the cor.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 4 ins. in the ground, in a supporting mound of stone, 4 1/2 ft. base, to top, with brass cap mkd.

2004

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

Accessory mound of stone was dismantled and utilized in the supporting mound of stone.

CHAINS

Set a steel fence post alongside the stainless steel post.

From this cor. point, Arizona Department of Transportation triangulation station "POTHOLE 1976", bears S. 55°09' W., 22.00 chs. dist. (forward bearing), an aluminum disc, 3 1/2 ins. diam., seated in a concrete monument, 10 ins. diam., firmly set, flush with ground, with top mkd. POTHOLE 1976.

N. 0°12' E., beginning new measurement.

40.06

The cor. of secs. 14, 15, 22 and 23, determined E. from the 1916 mound of stone, 2 ft. base, 1 1/2 ft. high.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 6 ins. in the ground, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.

r 29 N	R 8 E
S 15	S 14
S 22	S 23

2004

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 the stan. cor. of secs. 33 and 34, on the S. bdy. of the Tp., hereinbefore described.

N. 0°17' W., bet. secs. 33 and 34.

Over rolling to broken land, through scattered bunch grass.

40.01

The 1/4 sec. cor. of secs. 33 and 34, monumented with an iron post, 1 in. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. 1/4 S33 S34 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.

CHAINS	
	T 29 N R 8 E
	1/4
	s 33 s 34
	2004
	Deposit a magnet in a white plastic case at the base of t stainless steel post and bury iron post alongside.
	Build an accessory mound of stone, 2 ft. base, 1 1/2 ft. hig W. of cor.
	Set a steel fence post alongside the stainless steel post.
	N. 0°18' W., beginning new measurement.
	Over rolling land, through scattered bunch grass.
40.08	The cor. of secs. 27, 28, 33 and 34, monumented with an ir post, 2 ins. diam., firmly set, projecting 14 ins. above scattered mound of stone, 3 ft. base, with brass cap mkd. T2 R8E S28 S27 S33 S34.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam 21 ins. in the ground, in a collar of stone, with brass cap mkg
	T 29 N R 8 E
	<u>s 28 s 27 </u>
	s 33 s 34
	2004
	Deposit a magnet in a white plastic case at the base of t stainless steel post and bury the iron post alongside.
	Set a steel fence post alongside the stainless steel post.
	From the cor. of secs. 26, 27, 34 and 35.
	S. 89°59' W., bet. secs. 27 and 34.
	Over rolling land, through scattered bunch grass.
40.02	The 1/4 sec. cor. of secs. 27 and 34, determined S. from t 1916 scattered mound of stone, 3 ft. base.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 6 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

2004

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.

S. 89°47' W., beginning new measurement.

40.03

The cor. of secs. 27, 28, 33 and 34.

From the cor. of secs. 22, 23, 26 and 27.

S. 89°39' W., bet. secs. 22 and 27.

Over rolling land, through scattered bunch grass.

40.22

The 1/4 sec. cor. of secs. 22 and 27, determined S. from the 1916 mound of stone, 3 ft. base.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 16 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

2004

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.

N. 89°53' W., beginning new measurement.

Over rolling land, through scattered bunch grass.

	Dependent Resurvey of a Portion of the Subdivisional Lines, T. 29 N., R. 8 E., Gila and Salt River Meridian, Arizona
CHAINS	
38.90	Wash, 10 ft. wide, 1 ft. deep, drains S. 22° E.
40.11	Point for the cor. of secs. 21, 22, 27 and 28, at proportionate dist., there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.
	T 29 N R 8 E S 21 S 22
	S 28 S 27
	2004
	From this cor. point, an iron post, 2 ins. diam., found disturbed and very loosely set, in a mound of stone, 2 ft. base, bears N. 85°14' E., 17 lks. dist., the brass cap was scarred and impossible to read. The condition of the iron post was found not in accordance to the description in the original record and inconsistent with other recovered original monuments; and was not accepted as marking the location of the original cor.
	Deposit a magnet in a white plastic case at the base of the stainless steel post and bury iron post alongside.
	Set a steel fence post alongside the stainless steel post.
	From this same cor. point, the cor. of secs. 27, 28, 33, and 34, bears S. 0°09' E., 80.03 chs. dist., hereinbefore described.
	From this same cor. point, the 1/4 sec. cor. of secs. 21 and 28, bears S. 89°52' W., 39.97 chs. dist., determined S. from the 1916 mound of stone, 2 ft. base, 1 1/2 ft. high.
	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 29 N R 8 E S 21
	1/4 ————————————————————————————————————
	2004
	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.
•	

	T. 29 N., R. 8 E., Gila and Salt River Meridian, Arizona
CHAINS	
	These control lines were fully retraced, and careful search was made for evidence of intervening corners, none of which was recovered.
	N. 0°03' E., bet. secs. 21 and 22.
	Over rolling land, through scattered bunch grass and cacti.
1.00	Wash, 7 1/2 ft. wide, 1 ft. deep, drains E.
40.01	The 1/4 sec. cor. of secs. 21 and 22, determined E. from the 1916 mound of stone, 2 ft. base, 1 1/2 ft. high.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 13 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	T 29 N R 8 E
	1/4
	S 21 S 22
	2004
	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 the cor. of secs. 14, 15, 22 and 23.
	S. 89°44' W., bet. secs. 15 and 22.
	Over rolling land, through scattered bunch grass and cacti.
39.94	The 1/4 sec. cor. of secs. 15 and 22, determined S. from the 1916 scattered mound of stone, 2 ft. base.
	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 29 N R 8 E
	s 15
	1/4 —— S 22
	2004

CHAINS	1. 27 N., X. U D., UIIA AND DATE RIVER METICIALLY MILLIONING			
	Deposit a magnet in a white plastic case at the base of the stainless steel post.			
	Rebuild accessory mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.			
	Set a steel fence post alongside the stainless steel post.			
	Subdivision of Section 22, T. 29 N., R. 8 E., Gila and Salt River Meridian, Arizona			
	From the 1/4 sec. cor. of secs. 22 and 27.			
	N. 0°20' E., on the N. and S. center line of sec. 22.			
·	Over rolling land, through scattered bunch grass.			
40.18	Point for the center 1/4 sec. cor. of sec. 22, at intersection with the E. and W. center line of sec. 22.			
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.			
	T 29 N R 8 E C 1/4 S 22			
	2004			
	Deposit a magnet in a white plastic case at the base of the stainless steel post.			
	Set a steel fence post alongside stainless steel post.			
50.58	Center line of State highway No. 64, 40 ft. wide, bears S. 36° E. and N. 36° W.			
80.12	The 1/4 sec. cor. of secs. 15 and 22.			
	From the 1/4 sec. cor. of secs. 22 and 23.			
·	S. 89°54' W., on the E. and W. center line of sec. 22.			
	Over rolling land, through scattered bunch grass.			
30.94	Center line of State highway No. 64, 40 ft. wide, bears S. 36° E. and N. 36° W.			
40.04	The center 1/4 sec. cor. of sec. 22.			

Subdivision of Section 22,

	T. 29 N., R. 8 E., Gila and Salt River Meridian, Arizona
CHAINS	
80.33	The 1/4 sec. cor. of sec. 21 and 22.
	Subdivision of Section 34, T. 29 N., R. 8 E., Gila and Salt River Meridian Meridian,
	From the 1/4 sec. cor. of sec. 34 only, on the S. bdy. of the Tp.
	N. 0°17' W., on the N. and S. center line of sec. 34.
	Over rolling land, through scattered bunch grass.
40.02	Point for the center 1/4 sec. cor. of sec. 34, at intersection with the E. and W. center line of sec. 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 29 N R 8 E C 1/4 S 34
	2004
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	Build accessory mound of stone, 2 ft. base, 1 ft. high, W. of cor.
	Set a steel fence post alongside stainless steel post.
	From this cor. point, a limestone, not of record, 16 X 10 X 5 ins., firmly set, projecting 11 ins. above the ground, scribed CENTER 1/4 34 on the S. face, with an accessory mound of stone, 2 ft. base, 1 1/2 ft. high, N. of stone, bears N. 59°46' E., 64 lks. dist. Bury the stone in place.
80.16	The 1/4 sec. cor. of secs. 27 and 34.
	From the 1/4 sec. cor. of secs. 34 and 35.
	S. 89°52' W., on the E. and W. center line of sec. 34.
	Over rolling land, through scattered bunch grass.
40.04	The center 1/4 sec. cor. of sec. 34.
80.07	The 1/4 sec. cor. of sec. 33 and 34.

T. 29 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

The land in sections 22 and 34 is rolling to broken. The vegetation is primarily bunch grass with some scattered cacti. There is some limited sheep grazing. No indication of any major minerals in the area.

Access is by way of U.S. highway 89 and State highway 64. There are various trail roads through the section. There are several dwellings in the SW 1/4 of sections 22 and 34.

The mean magnetic declination of 12° 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.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Robert J. Lyle	Surveying Technician
Daniel T. Howarth	Surveying Technician
·	

CERTIFICATE OF SURVEY

I, W. William Foster, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 17th day of August, 2004, I have dependently resurveyed a portion of the Seventh Standard Parallel North (south boundary), a portion of the subdivisional lines and the subdivision of sections 22 and 34, T. 29 N., R. 8 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, and in specific manner described in the foregoing field notes.

7/3i/05

1/18/2006

(Cadastral Surveyor)

Stephen K. Hunsen

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the Seventh Standard Parallel North (south boundary), a portion of the subdivisional lines and the subdivision of sections 22 and 34, T. 29 N., R. 8 E., Gila and Salt River Meridian, in the State of Arizona, executed by W. William Foster, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

1110120		
(Date)	Andring (Chief Cadastral Surveyor of Ar	izona)
	CEDULEICAME OF TRANSCRIPT	
	CONTITIONING OF INMISERIES	
I CERTIFY That the foregodescribed surveys in T.	oing transcript of the field notes o 29 N., R. 8 E., Gila and Salt Rive	f the above er Meridian,
Arizona, is a true copy of	the original field notes.	
(Date)	Acting (Chief Cadastral Surveyor of Ari	zona)