

## ORIGINAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE

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CORRECTIVE SURVEY

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OF THE 1/4 SECTION CORNER

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OF SECTION 1 ONLY,

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ON THE SEVENTH STANDARD PARALLEL NORTH,

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TOWNSHIP 28 NORTH, RANGE 30 EAST,

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Of the Gila and Salt River Meridian,

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In the State of Arizona

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EXECUTED BY

Leonard R. Sandoval, Cadastral Surveyor

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Under Special Instructions dated and approved May 23, 1986, which provided for the surveys included under Group Number 680 and assignment instructions dated May 17, 2000.

Survey Commenced July 5, 2000  
Survey Completed November 20, 2002

INDEX DIAGRAM

TOWNSHIP 28 NORTH, RANGE 30 EAST,  
GILA AND SALT RIVER MERIDIAN, ARIZONA

6	5	4	3	2	5 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	36

## T. 28 N., R. 30 E., Gila and Salt River Meridian, Arizona

## CHAINS

The following field notes describe the corrective survey of the 1/4 section corner of section 1 only, on the Seventh Standard Parallel North, Township 28 North, Range 30 East, Gila and Salt River Meridian, Arizona.

The Seventh Standard Parallel North, through Range 30 East, was surveyed by Kevin R. DeRossett, Robin T. Mathews and Leonard R. Sandoval in 1988-90. The east boundary and subdivisional lines of Township 28 North, Range 30 East, were surveyed by Gary D. Knoff and Leonard R. Sandoval in 1989.

In March 2000 a Navajo Housing Authority survey crew reported that they suspected the quarter section corner of section 1 only, Township 28 North, Range 30 East, was grossly out of position. A subsequent investigation confirmed their suspicion, thus necessitating the need for this corrective survey. Record bearings and distances were confirmed and returned in these field notes, thus a plat was not created for this corrective survey.

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, the Special Instructions dated May 23, 1986, and the Assignment Instructions dated May 17, 2000 for Group No. 680, Arizona.

The true meridian directions and lengths of all lines were determined by real time kinematic static global positioning system observations using Trimble 4400 and 4700 model receivers.

The mean magnetic declination is 11 1/2° E.

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Corrective Survey of the 1/4 Section Corner of Section 1 Only,  
On the Seventh Standard Parallel North,  
T. 28 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Correcting the survey executed by Gary D. Knoff and Leonard R. Sandoval, in 1989</p> <hr/>
	<p>Beginning at the closing cor. of secs. 1 and 2, T. 28 N., R. 30 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. T29N R30E S35 S2 S1 T28N R30E CC 1989.</p>
	<p>Add the marks 2000 to the brass cap.</p>
	<p>From this cor. point, the stan. cor. of secs. 34 and 35, T. 29 N., R. 30 E., bears West, 12.25 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd. SC T29N R30E S34 S35 1988.</p>
	<p>from which the remnant of the original bearing tree</p>
	<p>A piñon stump, 10 ins. diam., 5 ins. high, bears N. 73 3/4° E., 2.495 chs. dist., with no visible blaze.</p>
	<p>East, on the N. bdy. of sec. 1, T. 28 N., R. 30 E.</p>
	<p>Over rolling land.</p>
27.35	<p>W. right-of-way fence of Navajo Route 7, barbed wire, 5 strands, bears SE and NW.</p>
27.75	<p>The stan. 1/4 sec. cor. of sec. 35, T. 29 N., R. 30 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. SC T29N R30E 1/4 S35 1988.</p>
	<p>from which the original reference monuments</p>
	<p>A stainless steel post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above ground, bears S. 26°16' W., 22.8 ft. dist., with brass cap mkd. SC 1/4 RM 22.8 FT TO COR 1988 and an arrow pointing to the cor.</p>
	<p>A stainless steel post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, bears N. 59°13' W., 55.3 ft. dist., with brass cap mkd. T29N R30E SC 1/4 S35 RM 55.3 FT TO COR 1988 and an arrow pointing to the cor.</p>
	<p>Cor. is located 1.52 chs. W. of center of Navajo Route 7, asphalt pavement, 36 ft. wide, bears SE and NW.</p>

Corrective Survey of the 1/4 Section Corner of Section 1 Only,  
On the Seventh Standard Parallel North,  
T. 28 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
31.13	E. right-of-way fence of Navajo Route 7, barbed wire, 5 strands, parallels highway.
39.975	Point for the 1/4 sec. cor. of sec. 1 only, T. 28 N., R. 30 E., at midpoint on the N. bdy. of sec. 1.
	<p>From this cor. point, the erroneous original cor. position, bears East, 0.28 ch. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, flush with the top of a mound of stone, 3 ft. base, 1 ft. high, with brass cap mkd. T29N R3OE 1/4 S1 T28N R3OE 1989. Remove the original stainless steel post and the accessory magnet enclosed in a 1 x 1 x 2 5/8 ins. white colored plastic case, and destroy the supporting mound of stone.</p>
	<p>Set the original 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;">T29N R3OE</p> <hr style="width: 10%; margin: auto;"/> <p style="text-align: center;">1/4 S 1 T28N R3OE 2000 1989</p>
	<p>from which the original bearing trees</p>
	<p style="padding-left: 40px;">A piñon, 8 ins. diam., bears S. 61 1/4° E., 1.24 chs. dist., with scribe mark X visible on blaze at breast height and scribe marks BT visible on blaze at base. (Record: 9 ins. diam.)</p>
	<p style="padding-left: 40px;">A piñon, 13 ins. diam., bears S. 8° W., 1.43 chs. dist., with scribe marks 1/4 S1 BT visible on open blaze. (Record: 16 ins. diam.)</p>
	<p>Deposit the original magnet enclosed in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.</p>
67.75	<p>The stan. cor. of secs. 35 and 36, T. 29 N., R. 30 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 7 ins. above ground, with brass cap mkd. SC T29N R3OE S35 S36 1988.</p>
	<p>from which the original bearing tree</p>
	<p style="padding-left: 40px;">A piñon, 9 ins. diam., bears N. 17 1/2° E., 1.465 chs. dist., with scribe marks T29N R3OE S36 SC BT visible on open blaze.</p>

Corrective Survey of the 1/4 Section Corner of Section 1 Only,  
 On the Seventh Standard Parallel North,  
 T. 28 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
79.95	<p>The closing cor. of secs. 1 and 6, Tps. 28 N., Rs. 30 and 31 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, flush with the top of a mound of stone, 3 ft. base, 1 1/4 ft. high, with brass cap mkd. T29N R30E S36 S1 S6 R30E R31E T28N CC 1989.</p> <p>from which the original bearing trees</p> <p>A piñon, 8 ins. diam., bears S. 49 1/4° E., 80 lks. dist., with scribe marks T28N R31E S6 CC BT visible on open blaze.</p> <p>A piñon, 15 ins. diam., bears S. 81° W., 1.47 chs. dist., with scribe marks T28N R30E S1 CC BT visible on open blaze.</p> <p>Add the marks 2000 to the brass cap.</p> <p>From this cor. point, the stan. 1/4 sec. cor. of sec. 36, T. 29 N., R. 30 E., bears East, 27.80 chs. dist., monumented with a brass tablet, 3 1/4 ins. diam., cemented in a sandstone outcrop, with top mkd. SC T29N R30E 1/4 S36 1988.</p> <p>from which the original bearing tree</p> <p>A ponderosa pine, 19 ins. diam., bears N. 45 3/4° E., 1.265 chs. dist., with scribe marks 1/4 S36 SC BT visible on open blaze.</p>
<hr/> GENERAL DESCRIPTION <hr/>	
<p>The area surveyed is between the communities of Fort Defiance and Sawmill. The terrain is rolling, with no major drainages nearby.</p> <p>The elevation is approximately 7,000 feet above sea level. The soil is sandy and rocky clay. The timber consists of piñon and juniper, with undergrowth of scattered brush and native grasses.</p> <p>Principal access to the survey is provided by Navajo Route 7, a paved highway. Most of the area is used for grazing of livestock. There is no evidence of current mining activity.</p> <p>The mean magnetic declination of 11 1/2° E. was derived from the computer program GEOMAGIX utilizing the Regional Magnetic Field Model for Epoch 2000 for the dates of survey.</p>	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Jones Curtiss	Land Surveyor

CERTIFICATE OF SURVEY

I, Leonard R. Sandoval, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 23rd day of May, 1986, and Assignment Instructions bearing date of May 17, 2000, I have correctively surveyed the 1/4 section corner of section 1 only, on the Seventh Standard Parallel North, Township 28 North, Range 30 East, of the Gila and Salt River Meridian, in the state of Arizona, which is represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said Special Instructions, Assignment 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.

1-9-03  
(Date)

Leonard R. Sandoval  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Arizona State Office  
Phoenix, Arizona

The foregoing field notes of the corrective survey of the 1/4 section corner of section 1 only, on the Seventh Standard Parallel North, Township 28 North, Range 30 East, Gila and Salt River Meridian, Arizona, executed by Leonard R. Sandoval, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

January 14, 2003  
(Date)

Kenny D. Ravmbar  
(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described survey in T. 28 N., R. 30 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)~~