

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE

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DEPENDENT RESURVEY

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OF A

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PORTION OF

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THE SOUTH BOUNDARY,

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TOWNSHIP 26 NORTH, RANGE 30 EAST,

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Of the Gila and Salt River Meridian,  
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 July 31, 1996.

Survey Commenced September 10, 1996

Survey Completed October 31, 1996

INDEX DIAGRAM

TOWNSHIP 26 NORTH, RANGE 30 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	36

6

5

4

## T. 26 N., R. 30 E., Gila and Salt River Meridian, Arizona

## CHAINS

The following field notes describe the dependent resurvey of a portion of the south boundary, Township 26 North, Range 30 East, of the Gila and Salt River Meridian, Arizona.

James A. Lamport originally surveyed the south boundary of the township in 1900. Sidney E. Blout resurveyed the south boundary in 1927. Kevin R. DeRossett and Richard S. Kaiser dependently resurveyed the south boundary in 1984-85.

Responding to a memorandum from the Director, Navajo Area Office, Bureau of Indian Affairs, dated July 8, 1996, requesting remonumentation of certain corners that were destroyed on the Navajo Indian Reservation in the state of Arizona, the Bureau of Land Management has undertaken the dependent resurvey described in the following field notes.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, the Special Instructions dated May 23, 1986, and the Assignment Instructions dated July 31, 1996, for Group No. 680, Arizona.

Preliminary to the resurvey the line of the previous surveys was retraced and search was made for certain corners and other calls of the record. The lost corner was restored and monumented at proportionate position based on the original record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The directions of all lines were determined by direct hour angle observations on the sun, verified by the technique of differential positioning using the Ashtech M-series Geodetic Positioning System, and refer to the true meridian. Distances and angles were measured with a Lietz SET4B, a total station instrument.

The mean magnetic declination is 12° E.

Dependent Resurvey of a Portion of the South Boundary,  
T. 26 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS

Restoring the dependent resurvey  
executed by Kevin R. DeRossett and Richard S. Kaiser in 1984-85

Beginning at the 1/4 cor. of sec. 5 only, T. 25 N., R. 30 E., on  
the S. bdy. of T. 26 N., R. 30 E., monumented with an iron post,  
1 in. diam., firmly set, projecting 14 ins. above ground, with  
brass cap mkd. 1/4 S5 1927, from which the 1927 bearing trees  
recovered in 1984-85

A Gambel's oak, 12 ins. diam., bears S. 9° E., 61 1/2 lks.  
dist., with a healed blaze.

A decaying ponderosa pine stump, 16 ins. diam., bears  
S. 36 3/4° W., 78 lks. dist., with scribe mks. 1/4 S5 BT  
visible on a partially healed blaze.

Remark the brass cap to read

T26N R30E

1/4 S 5  
T25N R30E  
1996  
1927

Cor. is located 30 lks. S. of S. edge of cleared right-of-way of  
an El Paso Natural Gas underground pipeline, bears ENE and WSW.

N. 89°46' W., on the S. bdy. of sec. 32.

Over gently rolling land.

2.09 Point for the 1/4 sec. cor. of sec. 32 only, 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, with brass cap mkd.

T26N R30E  
1/4 S32

T25N R30E  
1996

Dependent Resurvey of a Portion of the South Boundary,  
T. 26 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>from which</p> <p>A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears N. 30°00' E., 190.0 ft. dist., with brass cap mkd. T26N R30E 1/4 S32 RM 190.0 FT TO COR 1996, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears N. 45°00' W., 130.0 ft. dist., with brass cap mkd. T26N R30E 1/4 S32 RM 130.0 FT TO COR 1996, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post at the 1/4 sec. cor.</p> <p>Cor. is located inside cleared right-of-way of an El Paso Natural Gas underground pipeline, bears ENE and WSW.</p> <hr/> <p>S. 89°47' W., beginning new measurement.</p> <p>Over gently rolling land.</p>
37.92	<p>The closing cor. of secs. 5 and 6, T. 25 N., R. 30 E., monumented with a brass tablet, 3 1/4 ins. diam., set flush with surface of sandstone bedrock, cemented in place, with top mkd. T26N R30E S32 S5 S6 T25N R30E CC 1927.</p> <p>Add the mks. 1996 to top of brass tablet.</p> <p>Cor. is located 55 lks. N. of N. edge of cleared right-of-way of an El Paso Natural Gas underground pipeline, bears E. and W.</p> <hr/>

T. 26 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	GENERAL DESCRIPTION
	<p>The area surveyed falls in or near the right-of-way of an El Paso Natural Gas underground pipeline, approximately 2 miles west of the Window Rock pumping station.</p> <p>The terrain is gently rolling with rocky clay. Timber consists of ponderosa pine, piñon, juniper and Gambel's oak, with undergrowth of native grasses. The mean elevation is 7520 feet above sea level.</p> <p>The mean magnetic declination of 12° E. was derived from the United States Geological Survey computer program MAGPOINT utilizing the Regional Magnetic Field Model for Epoch 1995 for the dates of survey.</p>

UNITED STATES  
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## FIELD ASSISTANTS

NAMES	CAPACITY
Daniel Bryan	Engineering Technician
Wilfred Chee	Engineering Technician
Edward Clarke	Engineering Technician

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 the 31st day of July, 1996, I have dependently resurveyed a portion of the south boundary, Township 26 North, Range 30 East, 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; 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.

August 11, 1997  
(Date)

Leonard R. Sandoval  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Arizona State Office  
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the south boundary, Township 26 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.

AUG 22 1997  
(Date)

Kenny D. Rawnskar  
(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. 26 N., R. 30 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~