

INDEX DIAGRAM

TOWNSHIP 18 NORTH, RANGE 27 EAST,

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

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T 18 N, R 27 E, Gila and Salt River Meridian Arizona

CHAINS

The following field notes describe the dependent resurvey of the south boundary of section 31, Township 18 North, Range 27 East, Gila and Salt River Meridian, Arizona.

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

The south boundary was surveyed by Henry A. Coe in 1882.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated January 12, 1987, for Group No. 686, Arizona.

Preliminary to the resurvey, the lines of the original survey were retraced and search was made for all corners and other calls of the record. Identified corners were remonumented in their original positions; the 1/4 sec. cor. of secs. 6 and 31 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 the line was determined by observations on a U.S. Coast and Geodetic Survey triangulation network and carried forward by sustained angulation, confirmed by solar observations and refer to the true meridian. Distances and angles were measured with a Hewlett Packard 3820 Total Station instrument.

The geographic position of the southwest corner of the Tp., as determined from a traverse tie made to U.S. Coast and Geodetic Survey triangulation station "REESE", located in the northwest quarter of section 6, T 18 N, R 28 E, is as follows:

NAD 27: Latitude: 34°54'28.2" N Longitude: 109°31'22.9" W

The mean magnetic declination, as shown on U.S.G.S. quadrangle map "NINEMILE SEEP, ARIZ.," published in 1974, is 13° E.

Dependent Resurvey of the South Boundary of Section 31,
T 18 N, R 27 E, Gila and Salt River Mer., Arizona

Reestablishment of the survey executed by
Henry A. Coe, in 1882

Beginning at the cor. of secs. 5, 6, 31, and 32, monumented with a juniper post, 4 X 4 ins. square, 32 ins. long and pointed, loosely set in a mound of earth, mkd. with 5 notches on E. edge and 1 notch on W. edge.

Dependent Resurvey of the South Boundary of Section 31,
T 18 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS																								
	<p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr> <td>T18N R27E</td> <td></td> <td></td> </tr> <tr> <td>S31</td> <td> </td> <td>S32</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black;"></td> </tr> <tr> <td>S 6</td> <td> </td> <td>S 5</td> </tr> <tr> <td colspan="3" style="text-align: center;">T17N</td> </tr> <tr> <td colspan="3" style="text-align: center;">1987</td> </tr> </table> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Deposit the original wood post inverted and alongside the stainless steel post.</p> <p>Set a steel fence post near the cor.</p> <p>The cor. is located on a very gentle SE slope.</p> <p>N 89°45' W, bet. secs. 6 and 31.</p> <p>Over gently rolling, nearly level land with scattered juniper and sparsely scattered piñon pine.</p> <p>2.80 Abandoned fence, extends N and S.</p> <p>5.10 Track road, bears N and S.</p> <p>28.00 Top of low ridge, bears N 35° E and S 35° W.</p> <p>31.30 Track road, bears S 25° W and N 25° E, soon N.</p> <p>41.11 Point for the 1/4 sec. cor. of secs. 6 and 31, at proportionate dist.; there is no remaining evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr> <td>T18N R27E</td> </tr> <tr> <td>1/4 <u>S31</u></td> </tr> <tr> <td>S6</td> </tr> <tr> <td>T17N</td> </tr> <tr> <td>1987</td> </tr> </table> </div>	T18N R27E			S31		S32				S 6		S 5	T17N			1987			T18N R27E	1/4 <u>S31</u>	S6	T17N	1987
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Dependent Resurvey of the South Boundary of Section 31,
T 18 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS

Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

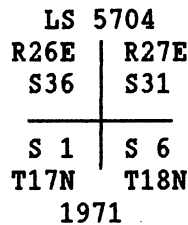
Set a steel fence post near the cor.

The cor. is located in an area which has been extensively railed.

77.65 Fence, parallels railroad.

79.24 Railroad, bears S 1/4° E and N 1/4° W

80.75 The cor. of Tps. 17 and 18 N, Rs. 26 and 27 E, perpetuated by Lacy C. Greer, LS 5704, in 1971, monumented with an iron pipe, 37 ins. long, 1 3/4" diam., firmly set, projecting 15 ins. above ground, and in a mound of stone, 2 1/2 ft. base, 1 ft. high, with attached brass cap mkd.

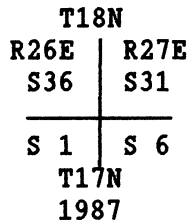


The fractured part of the original sandstone mkd. with 6 grooves on one face and 6 grooves on adjacent face was found buried alongside the iron pipe.

A partly decayed wooden post, 4 X 3 ins., 30 ins. long, no marks visible, was also found alongside the iron pipe.

At the cor. point

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



Dependent Resurvey of the South Boundary of Section 31,
T 18 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS

Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

Insert local monument inside the stainless steel post and bury the mkd. stone and wooden post alongside.

Remove the mound and utilize the stones in raising a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, S. of cor..

Set a steel fence post near the cor.

The cor. is located on the W. side of fence extending N and S.

From this cor., U.S. Coast and Geodetic Survey triangulation station "REESE", bears N 46°48' E, (forward bearing), 689.05 chs. dist., a brass tablet, 3 ins. in diam., firmly set in a concrete monument, 6 ins. sq., projecting 6 ins. above ground, mkd. REESE 1936.

GENERAL DESCRIPTION

The land surveyed is located approximately 16 miles W of the junction of U.S. Highway No. 666 and State Highway No. 61. The elevation is approximately 6,050 feet above sea level over gently rolling land covered with juniper and piñon pine. A railroad servicing the Coronado Generating Station near St. Johns, Arizona, crosses near the SW corner of the township.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Robert J. Lyle	Surveying Technician - Crew Chief
Donald L. Brewer	Surveying Technician - Crew Chief
Stephen M. Koval	Cadastral Surveyor (Student Trainee)
Bruce J. Olson	Surveying Aid
David G. Jaramillo	Surveying Aid
Robert L. Spiesman II	Surveying Aid

CERTIFICATE OF SURVEY

I, Duane R. Garoutte, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 12th day of January, 1987, I have dependently resurveyed the south boundary of section 31, Township 18 North, Range 27 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, 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.

JUL 26 1988

(Date)

Duane R. Garoutte
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of the south boundary of section 31, Township 18 North, Range 27 East, Gila and Salt River Meridian, executed by Duane R. Garoutte, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

JUL 27 1988

(Date)

Jeanette E. Knight
Acting (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 18 N, R 27 E, Gila and Salt River Meridian, Arizona is a true copy of the original field notes.

(Date)

(Chief Cadastral Surveyor of Arizona)