



INDEX DIAGRAM

TOWNSHIP 5 SOUTH, RANGE 18 EAST,

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## BOOK 5325

T 5 S, R 18 E, Gila and Salt River Mer., Arizona

## CHAINS

The following field notes describe the dependent resurvey of portions of the south boundary of the San Carlos Indian Reservation, and the south (First Standard Parallel South) and west boundaries and subdivisional lines of Township 5 South, Range 18 East, Gila and Salt River Meridian, Arizona.

The history of surveys is as follows:

The south boundary of the San Carlos Indian Reservation was surveyed by Paul Riecker in 1883. The south boundary (First Standard Parallel South) was surveyed by Theodore Vander Meer in 1924. The east, west, and north boundaries and subdivisional lines were surveyed by Theodore Vander Meer in 1925. The south boundary of the San Carlos Indian Reservation within the Tp., and a portion of the south boundary (First Standard Parallel South) and subdivisional lines were retraced by Ty White and Raymond F. Moss in 1939. The south boundary of the San Carlos Indian Reservation within the Tp. was resurveyed by Ray Harpin and Douglas A. Cody in 1973-74.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated March 5, 1986, for Group No. 677, Arizona.

Preliminary to the resurvey, the lines of the prior surveys were retraced and all the corners were recovered. The retracement data were thoroughly verified and only the true line field notes are given herein.

The directions of all lines were determined by observations on a U.S. Coast and Geodetic Survey triangulation network and carried forward by sustained angulation and refer to the true meridian. Distances and angles were measured with a Zeiss Elta 46 electronic instrument.

The geographic position of the southeast corner of section 31, as determined from a tie made to U.S. Coast and Geodetic Survey triangulation station "SAN", located in the SE quarter of section 34, T 5 S, R 17 E is as follows:

NAD 27: Latitude: 32°56'50.30" N Longitude: 110°32'05.01" W

The mean magnetic declination, as taken from quadrangle map BRANDENBURG MTN., ARIZ., published in 1949 and photoinspected in 1972, by U. S. Geological Survey is 14° E.

Dependent Resurvey of a Portion of the South Boundary,  
 San Carlos Indian Reservation,  
 T 5 S, R 18 E, Gila and Salt River Mer., Arizona

CHAINS	
	<p style="text-align: center;">Reestablishment of the dependent resurvey executed by                      Ray Harpin and Douglas A. Cody in 1973-74</p> <hr style="width: 20%; margin: auto;"/> <p>Beginning at station 33 Miles plus 37.78 chs., on the S bdy. of the San Carlos Indian Reservation in sec. 32, T 5 S, R 18 E, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above a mound of stone, 2 ft. base, 1 1/2 ft. high, with brass cap mkd.</p> <div style="text-align: center;"> <p>SCIR                      33 M + 37.78</p>  <p>T5S R18E                      1973</p> </div> <p>The cor. is located in fence, bears NE and SW.</p> <p>S 68°18' W, on the S bdy. of the San Carlos Indian Reservation, bet. station 33 Miles plus 37.78 chs. and AP 37.</p> <p>Over rolling land.</p> <p>15.07 Point for the witness point at intersection with the line bet. secs. 31 and 32, hereinafter described.</p> <p>From this point the 1/4 sec. cor. of secs. 31 and 32, bears N 0°07' W, 16.29 chs. dist., hereinafter described.</p> <p>Continue measurement through sec. 31.</p> <p>30.94 AP 37, identical with 33 Miles plus 68.57 chs., monumented with an iron post, 2 1/2 ins. diam., loosely set, projecting 2 ins. above a mound of stone, 2 ft. base, 1 1/2 ft. high, with brass cap mkd.</p> <div style="text-align: center;"> <p>SCIR                      AP 37                      33 M + 68.57</p>  <p>T5S R18E                      1973</p> </div> <p>Rebuild the mound of stone, 4 ft. base, 1 1/2 ft. high.</p>

Dependent Resurvey of a Portion of the South Boundary,  
San Carlos Indian Reservation,  
T 5 S, R 18 E, Gila and Salt River Mer., Arizona

CHAINS						
	<p>The cor. is located in fence, bears NE and SW.</p> <hr/>					
	<p>S 65°54' W, on the S bdy. of the San Carlos Indian Reservation, bet. AP 37 and station 34 Miles plus 32.86 chs.</p>					
	<p>Over rolling land.</p>					
43.80	<p>Point for the witness point at intersection with the First Standard Parallel South, on the S bdy. of sec. 31, hereinafter described.</p>					
	<p>From this point the stan. 1/4 sec. cor. of sec. 31, bears N 89°55' E, 14.78 chs. dist., hereinafter described.</p>					
	<p>Continue measurement in sec. 6, T 6 S, R 18 E.</p>					
44.15	<p>Station 34 Miles plus 32.86 chs., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above a mound of stone, 2 1/2 ft. base, 2 ft. high, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the south boundary of the San Carlos Indian Reservation, T 6 S, R 17 E, executed concurrently under this same group.</p> <hr/> <p style="text-align: center;">Dependent Resurvey of a Portion of the First Standard Parallel South, on the South Boundary of T 5 S, R 18 E, Gila and Salt River Mer., Arizona</p> <hr/> <p style="text-align: center;">Reestablishment of the survey executed by Theodore Vander Meer in 1924</p> <hr/> <p>From the stan. cor. of secs. 31 and 32, monumented with an iron post, 2 ins. diam., firmly set, projecting 6 ins. above a mound of stone, 5 ft. base, 2 ft. high, with brass cap mkd.</p> <div style="text-align: center;"> <table border="0"> <tr><td>SC</td></tr> <tr><td>T5S R18E</td></tr> <tr><td>S31   S32</td></tr> <tr><td>-----</td></tr> <tr><td>1924</td></tr> </table> </div> <p>Rebuild the mound of stone, 5 ft. base, 2 1/2 ft. high.</p>	SC	T5S R18E	S31   S32	-----	1924
SC						
T5S R18E						
S31   S32						
-----						
1924						

Dependent Resurvey of a Portion of the First Standard  
Parallel South, on the South Boundary of  
T 5 S, R 18 E, Gila and Salt River Mer., Arizona

CHAINS	
	S 89°57' W, on the S bdy. of sec. 31.
	Over rolling land.
40.00	The stan. 1/4 sec. cor. of sec. 31, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above a mound of stone, 4 ft. base, 1 ft. high, with brass cap mkd.
	SC <u>1/4 S31</u> 1924
	Rebuild the mound of stone, 4 ft. base, 2 ft. high.
	<hr style="width: 20%; margin: auto;"/> S 89°55' W, beginning new measurement.
14.78	Point for a witness point, on the S bdy. of the San Carlos Indian Reservation, falls on steep vertical cliff where it is impracticable to establish a permanent monument.
	From this point station 34 Miles plus 32.86 chs., bears S 65°54' W, 0.35 chs. dist., hereinbefore described.
39.90	The stan. cor. of Tps. 5 S, Rs. 17 and 18 E, monumented with an iron post, 3 ins. diam., firmly set, projecting 6 ins. above a mound of stone, 5 ft. base, 2 1/2 ft. high, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the First Standard Parallel South, on the south boundary of T 5 S, R 17 E, executed concurrently under this same group.
	<hr/> Dependent Resurvey of a Portion of the West Boundary, T 5 S, R 18 E, Gila and Salt River Mer., Arizona
	<hr/> Reestablishment of the survey executed by Theodore Vander Meer in 1925
	From the stan. cor. of Tps. 5 S, Rs. 17 and 18 E, hereinbefore described.
	N 0°09' W, bet. secs. 31 and 36.
	Over rolling land.

Dependent Resurvey of a Portion of the West Boundary,  
T 5 S, R 18 E, Gila and Salt River Mer., Arizona

CHAINS	<p>40.00 The 1/4 sec. cor. of secs. 31 and 36, monumented with an iron post, 1 in. diam., firmly set, projecting 6 ins. above a mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="margin: auto; border-collapse: collapse;"> <tr><td></td><td style="text-align: center;">1/4</td><td></td></tr> <tr><td style="text-align: center;">S36</td><td style="text-align: center;"> </td><td style="text-align: center;">S31</td></tr> <tr><td></td><td style="text-align: center;">1925</td><td></td></tr> </table> <hr style="width: 20%; margin: 10px auto;"/> </div> <p>N 0°03' W, beginning new measurement.</p> <p>39.94 The cor. of secs. 25, 30, 31, and 36, monumented with an iron post, 2 ins. diam., firmly set, projecting 6 ins. above a mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="margin: auto; border-collapse: collapse;"> <tr><td></td><td colspan="2" style="text-align: center;">T5S</td><td></td></tr> <tr><td style="text-align: center;">R17E</td><td style="text-align: center;"> </td><td style="text-align: center;">R18E</td><td></td></tr> <tr><td style="text-align: center;">S25</td><td style="text-align: center;"> </td><td style="text-align: center;">S30</td><td></td></tr> <tr><td colspan="4" style="text-align: center;">-----</td></tr> <tr><td style="text-align: center;">S36</td><td style="text-align: center;"> </td><td style="text-align: center;">S31</td><td></td></tr> <tr><td></td><td style="text-align: center;">1925</td><td></td><td></td></tr> </table> </div> <p>from which the original bearing trees</p> <p style="margin-left: 40px;">A juniper, 9 ins. diam., bears N 3 3/4° E, 91 lks. dist., with scribe marks T5S R18E S30 BT visible on open blaze. (Record: N 4 1/2° E, 87 lks.)</p> <p style="margin-left: 40px;">A juniper, 14 ins. diam., bears S 81 1/2° E, 166 lks. dist., with scribe marks S 8E S3 B visible on partially healed blaze. (Record: 164 lks.)</p> <p style="margin-left: 40px;">A rotted oak stump, 8 ins. diam., bears N 31 1/2° W, 158 lks. dist., no marks. (Record: N 23 1/2° W, 154 lks.)</p> <hr style="border: 0.5px solid black; margin: 20px 0;"/> <p style="text-align: center;">Dependent Resurvey of a Portion of the Subdivisional Lines, T 5 S, R 18 E, Gila and Salt River Mer., Arizona</p> <hr style="border: 0.5px solid black; margin: 20px 0;"/> <p style="text-align: center;">Reestablishment of the survey executed by Theodore Vander Meer in 1925</p> <hr style="border: 0.5px solid black; margin: 20px 0;"/> <p>From the stan. cor. of secs. 31 and 32, on the S bdy. of the Tp, hereinbefore described.</p> <p>N 0°07' W, bet. secs. 31 and 32.</p> <p>Over rolling land.</p>		1/4		S36		S31		1925			T5S			R17E		R18E		S25		S30		-----				S36		S31			1925		
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	1925																																	

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T 5 S, R 18 E, Gila and Salt River Mer., Arizona

CHAINS	
23.69	<p>Point for a witness point on the S bdy. of the San Carlos Indian Reservation.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, and in a mound of stone, 3 1/2 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>WP SCIR S31   S32 S31   S32 1986</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>The point is located 32 lks. S of fence, bears NE and SW and on steep N slope.</p> <p>From this point station 33 Miles plus 37.78 chs., on the S bdy. of the San Carlos Indian Reservation, bears N 68°18' E, 15.07 chs. dist., hereinbefore described.</p>
39.98	<p>The 1/4 sec. cor. of secs. 31 and 32, monumented with an iron post, 1 in. diam., firmly set in a mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd.</p> <div style="text-align: center;"> <p>1/4 S31   S32 1925</p> </div> <p>From this cor. U.S. Coast and Geodetic Survey triangulation station "SAN", bears S 83°22'W (forward bearing), 248.41 chs. dist., a brass tablet, 3 1/4 ins. diam., seated in concrete 8 x 8 ins., flush with the ground, mkd. SAN 1947.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N 0°05' W, beginning new measurement.</p>
39.98	<p>The cor. of secs. 29, 30, 31, and 32, monumented with an iron post, 2 ins. diam., firmly set in a mound of stone, 4 1/2 ft. base, 2 ft. high, with brass cap mkd.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T 5 S, R 18 E, Gila and Salt River Mer., Arizona

CHAINS	<div style="text-align: center; margin-bottom: 20px;"> <table style="margin: auto; border-collapse: collapse;"> <tr> <td colspan="2">T5S R18E</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 10px;">S30</td> <td style="padding: 2px 10px;">S29</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 10px;">S31</td> <td style="padding: 2px 10px;">S32</td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 2px 10px;">1925</td> </tr> </table> </div> <hr/> <p>S 89°54' W, bet. secs. 30 and 31.</p> <p>Over rolling land.</p> <p>39.98 The 1/4 sec. cor. of secs. 30 and 31, monumented with an iron post, 1 in. diam., firmly set, projecting 4 ins. above a mound of stone, 5 ft. base, 2 1/2 ft. high, with brass cap mkd.</p> <div style="text-align: center; margin: 20px 0;"> <table style="margin: auto; border-collapse: collapse;"> <tr> <td></td> <td style="padding: 0 10px;">S30</td> </tr> <tr> <td style="padding: 0 10px;">1/4</td> <td style="border-top: 1px solid black; padding: 0 10px;"></td> </tr> <tr> <td></td> <td style="padding: 0 10px;">S31</td> </tr> <tr> <td></td> <td style="padding: 0 10px;">1925</td> </tr> </table> </div> <hr/> <p>S 89°55' W, beginning new measurement.</p> <p>39.89 The cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp, hereinbefore described.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The land encompassed in this survey is located about 2 miles N and 10 miles E of Dudleyville, Arizona. The elevation ranges from about 3,500 to 3,800 feet above sea level. The land is rolling and covered with catclaw, creosote, paloverde, cactus, and scattered juniper and oak.</p> <p>There are no signs of mining activity.</p>	T5S R18E		S30	S29	S31	S32	1925			S30	1/4			S31		1925
T5S R18E																	
S30	S29																
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	S30																
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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