

1 ORIGINAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

BOOK 5435

FIELD NOTES

OF THE

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DEPENDENT RESURVEY

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OF

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THE SOUTH BOUNDARY

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OF

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TOWNSHIP 18 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

William P. Carpender, Cadastral Surveyor

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Under Special Instructions dated January 12, 1987, approved February 23, 1987, and Supplemental Special Instructions dated February 29, 1988, approved February 29, 1988, which provided for the surveys included under Group Number 687 and assignment instructions dated July 11, 1988.

Survey commenced September 1, 1988

Survey completed September 1, 1993

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INDEX DIAGRAM

TOWNSHIP 18 NORTH, RANGE 30 EAST,

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T. 18 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>The following field notes are those of the dependent resurvey of the south boundary of Township 18 North, Range 30 East, Gila and Salt River Meridian, Arizona.</p> <p>The history of surveys pertaining to this dependent resurvey is as follows: Henry A. Coe surveyed the south boundary in 1882.</p> <p>The survey was executed in accordance with the specifications as set forth in the <u>Manual of Surveying Instructions, 1973</u>, the Special Instructions dated January 12, 1987, and the Supplemental Special Instructions dated February 29, 1988, for Group No. 687, Arizona.</p> <p>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; lost corners were restored and monumented at proportionate positions based on the original record. The retracement data were thoroughly verified and only the true line field notes are given herein.</p> <p>The directions of all lines were determined by reference to a network established by the technique of relative positioning using an Ashtech GPS Geodetic System, confirmed by direct hour angle observations on the sun, and refer to the true meridian. Distances and angles were measured with Zeiss, Topcon, and Sokkia total station instruments.</p> <p>The geographic position of the corner of Townships 17 and 18 North, Ranges 30 and 31 East, Gila and Salt River Meridian, Arizona, was determined by the technique of relative positioning using the Ashtech GPS Geodetic System. U.S. Coast and Geodetic triangulation stations "BEACON 54 B ECC" and "DEAD" were used as the control stations. The coordinates refer to the top of the monument.</p> <p>Latitude 34°54'21.88" N. Longitude 109°06'11.43" W. NAD27</p> <p>The mean magnetic declination as taken from quadrangle map BARTH WELL, ARIZ.-N. MEX., published in 1979 by U.S. Geological Survey, is 13° E.</p>
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Dependent Resurvey of the South Boundary  
T. 18 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	<p style="text-align: center;">Restoring the survey executed by Henry A. Coe, in 1882</p> <hr/> <p>Beginning at the cor. of Tps. 17 and 18 N., Rs. 30 and 31 E., determined at the cor. of fences extending N., ESE., S., and WNW., which has long been recognized as the cor. by the local land owners, and is accepted as the best available evidence of the position of the original cor.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2" style="text-align: center;">T18N</td></tr> <tr><td style="text-align: center;">R30E</td><td style="text-align: center;">R31E</td></tr> <tr><td style="text-align: center;">S36</td><td style="text-align: center;">S31</td></tr> <tr><td colspan="2" style="text-align: center;">-----</td></tr> <tr><td style="text-align: center;">S 1</td><td style="text-align: center;">S 6</td></tr> <tr><td colspan="2" style="text-align: center;">T17N</td></tr> <tr><td colspan="2" style="text-align: center;">1993</td></tr> </table> <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 cor. is located at the NW. cor. of an intersection of track roads bearing ENE., S., and WNW.</p> <p>From this cor., U.S. Coast and Geodetic Survey triangulation station, "BEACON 54 B ECC", with published latitude of 35°02'08.884" N. and longitude of 109°15'35.789" W., NAD27, bears N. 44°48'22" W. (forward bearing), 1009.36 chs. dist., monumented with a standard brass disk, 3 1/2 ins. diam., firmly set in a concrete pillar, 9 x 9 ins., projecting 18 ins. above ground, with top mkd. BEACON 54 B 1936 and a triangle.</p> <p>N. 89°12' W., bet. secs. 1 and 36.</p> <p>Over rolling land, through dense juniper.</p> <p>13.55 Point for a witness point on the line bet. secs. 1 and 36.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with cap mkd.</p>	T18N		R30E	R31E	S36	S31	-----		S 1	S 6	T17N		1993	
T18N															
R30E	R31E														
S36	S31														
-----															
S 1	S 6														
T17N															
1993															

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Dependent Resurvey of the South Boundary  
T. 18 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
17.85	<p style="text-align: center;">WP T18N R30E S36 — S 1 T17N 1993</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the aluminum post.</p> <p>Set a steel fence post alongside the cor.</p> <p>The cor. is located on a low ridge, bears NE. and SW.</p> <p>Point for a witness point on the line bet. secs. 1 and 36.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with cap mkd.</p>
24.16	<p style="text-align: center;">WP T18N R30E S36 — S 1 T17N 1993</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the aluminum post.</p> <p>Set a steel fence post alongside the cor.</p> <p>The cor. is located on a low ridge, bears NE. and SW.</p> <p>Point for a witness point on the line bet. secs. 1 and 36.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with cap mkd.</p>
	<p style="text-align: center;">WP T18N R30E S36 — S 1 T17N 1993</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the aluminum post.</p> <p>Set a steel fence post alongside the cor.</p>

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Dependent Resurvey of the South Boundary  
T. 18 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
39.86	<p>The cor. is located on a low ridge, bears NE. and SW.</p> <p>Point for the 1/4 sec. cor. of secs. 1 and 36, 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., 25 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T18N R30E S36 1/4 — S 1 T17N 1993</p> <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>Set a steel fence post alongside the cor.</p>
79.72	<p>Point for the cor. of secs. 1, 2, 35, and 36, 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., 25 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T18N R30E S35   S36 —   — S 2   S 1 T17N 1993</p> <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>Set a steel fence post alongside the cor.</p>
26.76	<p>N. 89°12' W., bet. secs. 2 and 35.</p> <p>Over rolling land, through dense juniper.</p> <p>Point for a witness point on the line bet. secs. 2 and 35.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with cap mkd.</p>

## BOOK 5435

Dependent Resurvey of the South Boundary  
T. 18 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">WP T18N R30E S35 — S 2 T17N 1993</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the aluminum post.</p> <p>Set a steel fence post alongside the cor.</p>
39.86	<p>Point for the 1/4 sec. cor. of secs. 2 and 35, 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., 25 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T18N R30E S35 1/4 — S 2 T17N 1993</p> <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>Set a steel fence post alongside the cor.</p>
55.59	<p>Point for a witness point on the line bet. secs. 2 and 35.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with cap mkd.</p> <p style="text-align: center;">WP T18N R30E S35 — S 2 T17N 1993</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the aluminum post.</p> <p>Set a steel fence post alongside the cor.</p> <p>The cor. is located on a ridge, bears ENE. and WSW.</p>

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Dependent Resurvey of the South Boundary  
T. 18 N., R. 30 E., Gila and Salt River Meridian, Arizona

79.72 <sup>CHAINS</sup>	<p>Point for the cor. of secs. 2, 3, 34, and 35, 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., 24 ins. in the ground, with brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td>T18N</td><td>R30E</td></tr> <tr><td>S34</td><td>S35</td></tr> <tr><td colspan="2" style="border-top: 1px solid black;"></td></tr> <tr><td>S 3</td><td>S 2</td></tr> <tr><td colspan="2" style="text-align: center;">T17N</td></tr> <tr><td colspan="2" style="text-align: center;">1993</td></tr> </table> <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>Set a steel fence post alongside the cor.</p>	T18N	R30E	S34	S35			S 3	S 2	T17N		1993	
T18N	R30E												
S34	S35												
S 3	S 2												
T17N													
1993													
39.86	<p>N. 89°12' W., bet. secs. 3 and 34.</p> <p>Over rolling land, through dense juniper.</p> <p>Point for the 1/4 sec. cor. of secs. 3 and 34, 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., 24 ins. in the ground, with brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td>T18N</td><td>R30E</td></tr> <tr><td colspan="2" style="text-align: center;">S34</td></tr> <tr><td colspan="2" style="text-align: center;">1/4 —</td></tr> <tr><td colspan="2" style="text-align: center;">S 3</td></tr> <tr><td colspan="2" style="text-align: center;">T17N</td></tr> <tr><td colspan="2" style="text-align: center;">1993</td></tr> </table> <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>Set a steel fence post alongside the cor.</p>	T18N	R30E	S34		1/4 —		S 3		T17N		1993	
T18N	R30E												
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1993													
79.72	<p>Point for the cor. of secs. 3, 4, 33, and 34, 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., 24 ins. in the ground, with brass cap mkd.</p>												

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Dependent Resurvey of the South Boundary  
T. 18 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T18N R30E S33   S34 ----- S 4   S 3 T17N 1993</p> <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>Set a steel fence post alongside the cor.</p> <hr/> <p>N. 89°12' W., bet. secs. 4 and 33.</p> <p>Over rolling land, through dense juniper.</p>
39.86	<p>Point for the 1/4 sec. cor. of secs. 4 and 33, 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., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T18N R30E S33 1/4 — S 4 T17N 1993</p> <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>Set a steel fence post alongside the cor.</p>
60.60	<p>Point for a witness point on the line bet. secs. 4 and 33.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with cap mkd.</p> <p style="text-align: center;">WP T18N R30E S33 ----- S 4 T17N 1993</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the aluminum post.</p> <p>Set a steel fence post alongside the cor.</p>

Dependent Resurvey of the South Boundary  
T. 18 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS													
79.72	<p>The cor. is located on a ridge, bears NE. and SW.</p> <p>Point for the cor. of secs. 4, 5, 32, and 33, 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., 25 ins. in the ground, with brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td>T18N</td><td>R30E</td></tr> <tr><td>S32</td><td>S33</td></tr> <tr><td colspan="2" style="border-top: 1px solid black;"></td></tr> <tr><td>S 5</td><td>S 4</td></tr> <tr><td colspan="2" style="text-align: center;">T17N</td></tr> <tr><td colspan="2" style="text-align: center;">1993</td></tr> </table> <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>Set a steel fence post alongside the cor.</p> <hr/> <p>N. 89°12' W., bet. secs. 5 and 32.</p> <p>Over rolling land, through dense juniper.</p>	T18N	R30E	S32	S33			S 5	S 4	T17N		1993	
T18N	R30E												
S32	S33												
S 5	S 4												
T17N													
1993													
33.12	<p>Point for a witness point on the line bet. secs. 5 and 32.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td>WP</td></tr> <tr><td>T18N R30E</td></tr> <tr><td>S32</td></tr> <tr><td colspan="2" style="border-top: 1px solid black;"></td></tr> <tr><td>S 5</td></tr> <tr><td colspan="2" style="text-align: center;">T17N</td></tr> <tr><td colspan="2" style="text-align: center;">1993</td></tr> </table> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the aluminum post.</p> <p>Set a steel fence post alongside the cor.</p>	WP	T18N R30E	S32			S 5	T17N		1993			
WP													
T18N R30E													
S32													
S 5													
T17N													
1993													
39.86	<p>The cor. is located on the northwesterly slope of a ridge, bears NNE. and SSW.</p> <p>Point for the 1/4 sec. cor. of secs. 5 and 32, 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., 24 ins. in the ground, with brass cap mkd.</p>												

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Dependent Resurvey of the South Boundary  
T. 18 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
79.72	<p style="text-align: center;">T18N R30E S32 1/4 — S 5 T17N 1993</p> <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>Set a steel fence post alongside the cor.</p> <p>Point for the cor. of secs. 5, 6, 31, and 32, 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., 23 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T18N R30E S31   S32 —   — S 6   S 5 T17N 1993</p> <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>Set a steel fence post alongside the cor.</p>
23.91	<p>N. 89°12' W., bet. secs. 6 and 31.</p> <p>Over rolling land, through dense juniper.</p> <p>Point for a witness point on the line bet. secs. 6 and 31.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with cap mkd.</p> <p style="text-align: center;">WP T18N R30E S31 — S 6 T17N 1993</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the aluminum post.</p> <p>Set a steel fence post alongside the cor.</p>

## BOOK 5435

Dependent Resurvey of the South Boundary  
T. 18 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>The cor. is located on a ridge, bears NE. and SW., 20 lks. S. of a track road, bears E. and W., and 35 lks. S. of a fence, bears E. and W.</p>
39.86	<p>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., 25 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T18N R30E S31 1/4 — S 6 T17N 1993</p> <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>Set a steel fence post alongside the cor.</p> <p>The cor. is located 20 lks. S. of a track road, bears E. and W., and 30 lks. S. of a fence, bears E. and W.</p>
78.72	<p>The cor. of Tps. 17 and 18 N., Rs. 29 and 30 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, with brass cap mkd. T18N R29E R30E S36 S31 S1 S6 T17N 1993, as described in the field note record of the dependent resurvey of the south bdy. of T. 18 N., R. 29 E., executed concurrently under this same group.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The southwest corner of the township is located approximately 2 miles east of Witch Well, a tavern situated at the intersection of U.S. Highways 61 and 91. Witch Well is approximately 30 miles south of Sanders, Arizona, on U.S. Interstate Highway 40.</p> <p>The terrain consists of rolling land with dense to scattered juniper forests. The average elevation is 6,500 feet above sea level. The majority of the region drains southerly into the Zuni River.</p>

## BOOK 5435

T. 18 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Access to the area is provided by U. S. Highway 61, which crosses the township diagonally from the southwest to the northeast. A new paved road, under construction, crosses the north boundary near the northwest corner of the township. There are several dirt roads providing access to the interior and south boundary.</p> <p>There is limited occupancy throughout this region, which is used primarily for grazing and wood cutting.</p>
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BOOK 5435  
CERTIFICATE OF SURVEY

I, William P. Carpender, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 12th day of January, 1987, and Supplemental Special Instructions bearing date of the 29th day of February, 1988, I have dependently resurveyed the south boundary of Township 18 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, 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.

APRIL 2, 1995  
(Date)

William P Carpender  
(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 Township 18 North, Range 30 East, Gila and Salt River Meridian, Arizona, executed by William P. Carpender, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

APR 04 1995  
(Date)

Dale C. Wilson  
(Acting 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. 18 N., R. 30 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~(Acting Chief Cadastral Surveyor of Arizona)~~