

ORIGINAL  
BOOK 5313

R-5313

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE

DEPENDENT RESURVEY

OF

THE SOUTH BOUNDARY,

FORT THOMAS MILITARY RESERVATION (ABANDONED)

PORTIONS OF

THE WEST BOUNDARY

AND

SUBDIVISIONAL LINES

OF

TOWNSHIP 4 SOUTH, RANGE 23 EAST

Of the Gila and Salt River Meridian,  
In the State of Arizona

EXECUTED BY

Paul L. Reeves, Cadastral Surveyor

Will C. Gabonay, Cadastral Surveyor

Under special instructions dated April 8, 1982, approved April 8, 1982  
and supplemental special instructions dated and approved January 11, 1985

\_\_\_\_\_, which provided for the surveys included under Group Number  
634 and assignment instructions dated April 8, 1982,  
and January 7, 1985

Survey commenced April 14, 1982

Survey completed February 23, 1985



## BOOK 5313

T. 4 S., R. 23 E., Gila and Salt River Mer., Arizona

## CHAINS

The following field notes describe the dependent resurvey of the south boundary, Fort Thomas Military Reservation (abandoned), portions of the west boundary and subdivisional lines, Township 4 South, Range 23 East, Gila and Salt River Meridian, Arizona.

The boundaries of section 31 were surveyed by Theodore F. White, in 1875. The north, east and a portion of the west boundary of section 31 was resurveyed by Lorenzo D. Chillson, in 1894. The north boundary was resurveyed by Paul L. Reeves, in 1976. The Fort Thomas Military Reservation (abandoned), was surveyed by Earl D. Thomas, an Army Lieutenant, in 1876. A portion of the Fort Thomas Military Reservation was resurveyed by Clarence H. Wallace, in 1888, Lorenzo D. Chillson, in 1894 and Paul L. Reeves, in 1976.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated April 8, 1982, for Group No. 634, Arizona, and the Supplemental Special Instructions dated January 11, 1985.

The directions of all lines were determined by observations on the sun, and refer to the true meridian. Distances and angles were measured with a Zeiss Elta 46 theodolite.

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.

The geographic position of the corner of sections 5, 6, 31 and 32, Tps. 4 and 5 S, R 23 E, as determined from a tie to U.S. Coast and Geodetic Survey triangulation station "GOOD 1945", located in the NW 1/4 of section 36, T 4 S, R 22 E, is as follows:

NAD 27: Latitude: 33°02'02.85" N Longitude: 110°01'02.14" W

The mean magnetic declination is 13 1/2° E.

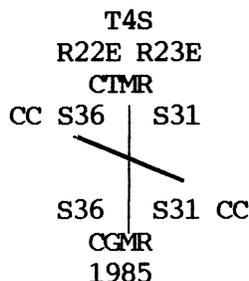
Dependent Resurvey of the South Bdy.,  
 Fort Thomas Military Reservation (abandoned),  
 T. 4 S., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS

Restoring the resurvey executed by Paul L. Reeves, in 1976

Beginning at a point for the crossing closing cor. at intersection with the S. bdy. of the Fort Thomas Military Reservation, (abandoned), and the line bet. secs. 31 and 36, on the W. bdy of the Tp.

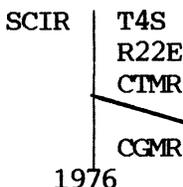
Set an aluminum post, 28 ins. long, 1 in. diam., 25 ins. in the ground, with cap mkd.



Set a steel fence post alongside the cor.

Cor. is located 26 lks. W. of a N. and S. fence.

From this cor. point, the initial cor. of the Fort Thomas and Camp Goodwin Military Reservations (abandoned), bears N. 59°14' W., 115.23 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. from the ground, with brass cap mkd.



Cor. is located 1 lk. E. of a N. and S. fence and 20 lks. E. of a graded road, bears N. and S.

From this same cor. point, the cor. of secs. 25, 30, 31 and 36, bears N. 0°07' W., 3.14 chs. dist., hereinafter described.

S. 59°14' E., on the S. bdy. of the Fort Thomas Military Reservation (abandoned).

Dependent Resurvey, of the South Bdy.,  
Fort Thomas Military Reservation (abandoned)  
T. 4 S., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
92.73	<p>Point for a crossing closing cor. at intersection with the line bet. secs. 31 and 32.</p> <p>Set an aluminum post, 28 ins. long, 1 in. diam., 24 ins. in the ground, with cap mkd.</p> <div data-bbox="787 493 1031 745" style="text-align: center;"> </div> <p>Set a steel fence post alongside the cor.</p> <p>Cor. is located 146 lks. W. of a N. and S. fence.</p> <p>From this cor. point, a quartz stone, 24 x 12 x 10 ins. firmly set, projecting 10 ins. from the ground, mkd. CGMR CC on NE face, previously set for a closing cor., bears S. 0°18' E., 4 lks. dist.</p> <p style="padding-left: 40px;">Mark the stone AM and bury in place.</p> <p style="padding-left: 40px;">A mound of stone, 3 ft. base, 1 ft. high, is set W. of cor.</p> <p>Rebuild a mound of stone, 3 ft. base, 1 ft. high, W. of new cor.</p> <p>From this same cor. point, the 1/4 sec. cor. of secs. 31 and 32, bears N. 0°18' W., 11.01 chs. dist., hereinafter described.</p>
132.99	<p>Cor. No. 2, of the Camp Goodwin Military Reservation (abandoned), monumented with an stainless steel post, 2 1/2 ins. diam., projecting 4 ins. from the ground, with brass cap mkd. T4S R23E S32 CGMR COR 2 CTMR S32 1985.</p> <p>From this cor. point, the closing cor. of the SE bdy. of the Camp Goodwin Military Reservation, (abandoned), with the S. bdy of the Tp., bears S. 44°57' W., 11.895 chs. dist., monumented with an aluminum post, 1 ins. diam., projecting 14 ins. from the ground, with aluminum cap, mkd T4S R23E CC S32 S32 CGMR S5 S5 CC T5s 1985.</p>

Dependent Resurvey, of the South Bdy.,  
 Fort Thomas Military Reservation (abandoned)  
 T. 4 S., R. 23 E., Gila and Salt River Mer., Arizona

<p>CHAINS</p> <p>149.16</p>	<p>Point for the crossing closing cor. at intersection with the line bet. secs. 5 and 32, on the S. bdy. of the Tp.</p> <p>Set an aluminum post, 28 ins. long, 1 in. diam., 20 ins. in the ground, in a mound of stone, 2 1/2 ft. base to top, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T4S R23E</p> <table style="margin: auto;"> <tr> <td>CC</td> <td></td> <td>C</td> </tr> <tr> <td>S32</td> <td>— S32</td> <td>T</td> </tr> <tr> <td></td> <td>—</td> <td>M</td> </tr> <tr> <td>S5</td> <td>— S5</td> <td>R</td> </tr> <tr> <td></td> <td>CC</td> <td></td> </tr> <tr> <td></td> <td>T5S</td> <td></td> </tr> <tr> <td></td> <td>1985</td> <td></td> </tr> </table> </div> <p>Cor. is located 180 lks. W. of a N. and S. fence.</p> <p>From this cor. point, the 1/4 sec. cor. of secs. 5 and 32, on the S. bdy. of the Tp., monumented with an aluminum post, 1 in. diam., projecting 6 ins. from the ground, with aluminum cap mkd. T4S R23E 1/4 S5 S32 T5S R23E 1982, bears S. 89°42' W., 8.095 chs. dist.</p> <p>From this same cor. point, the closing cor. of secs. 4 and 5, T. 5 S., R. 23 E., bears S. 59°14' E., 37.44 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 7 ins. from the ground, in a mound of stone, 2 1/2 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T5S R23E</p> <table style="margin: auto;"> <tr> <td colspan="2">CTMR</td> </tr> <tr> <td>C</td> <td>C</td> </tr> <tr> <td>S5</td> <td>  S4</td> </tr> <tr> <td>S5</td> <td>  S4</td> </tr> <tr> <td colspan="2">C C</td> </tr> <tr> <td colspan="2">1976</td> </tr> </table> </div> <p>From this cor. point, the cor. of secs. 4, 5, 32 and 33, on the N. bdy. of the Tp., bears N. 0°32' W., 19.42 chs. dist., monumented with an iron post, 2 ins. diam., projecting 10 ins. from the ground, with brass cap mkd. T4S R23W S4 S5 S32 S33 T5S 1965.</p>	CC		C	S32	— S32	T		—	M	S5	— S5	R		CC			T5S			1985		CTMR		C	C	S5	S4	S5	S4	C C		1976	
CC		C																																
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C C																																		
1976																																		

Dependent Resurvey, Portion of the West Bdy.,  
T. 4 S., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">Restoring the survey executed by Theodore F. White, in 1875</p> <hr style="width: 20%; margin: auto;"/>
	<p>From the cor. of secs. 1, 6, 31 and 36, on the S. bdy. of the Tp., monumented with an aluminum post, 1 ins. diam., projecting 10 ins. from the ground, in a mound of stone, with aluminum cap mkd., T4S R22E R23E S1 S6 S31 S36 T5S 1982.</p>
	<p>N. 0°07' W., bet. secs. 31 and 36, on the W. bdy. of the Tp.</p>
	<p>Over rolling land, through medium creosote.</p>
40.07	<p>Point for the 1/4 sec. cor. of secs. 31 and 36, at proportionate dist.; there is no remaining evidence of the original cor. position.</p>
	<p>Set an aluminum post, 28 ins. long, 1 in. diam., 23 ins. in the ground, with cap mkd.</p>
	<p style="text-align: center;">T4S</p>
	<p style="text-align: center;">R22E R23E</p>
	<p style="text-align: center;">1/4</p>
	<p style="text-align: center;">S36   S31</p>
	<p style="text-align: center;">1985</p>
	<p>Raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, W. of cor.</p>
	<p>Set a steel fence post alongside the cor.</p>
	<p>Cor. is located 30 lks. W. of a N. and S. fence.</p>
77.00	<p>The crossing closing cor. on the Fort Thomas Military Reservations, hereinbefore described.</p>
	<p style="text-align: center;">Restoring the resurvey by Lorenzo D. Chillson, in 1894</p> <hr style="width: 20%; margin: auto;"/>
80.14	<p>The cor. of secs. 25, 30, 31 and 36, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. from the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T4S</p>
	<p style="text-align: center;">R22E R23E</p>
	<p style="text-align: center;">S25   S30</p>
	<p style="text-align: center;">S36   S31</p>
	<p style="text-align: center;">1976</p>

Dependent Resurvey, Portion of the West Bdy.,  
T. 4 S., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>A mound of stone, 2 1/2 ft. base, 1 ft. high, is set W. of cor.</p> <p>A fence cor., bears N. 48° E., 35 lks. dist., fences extend S. and W.</p> <p>From this point, U.S.C.&amp;G.S. triangulation station "GOOD 1945", bears N. 73°06'39" W., 67.54 chs. dist., monumented with a brass tablet, set in concrete, flush with the ground, mkd. GOOD 1945 and a triangle in the center.</p> <hr/> <p style="text-align: center;">Dependent Resurvey, Portion of the Subdivisional lines, T. 4 S., R. 23 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p style="text-align: center;">Restoring the resurvey by Lorenzo D. Chillson, in 1894</p> <hr/> <p>From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., monumented with an aluminum post, 1 ins. diam., projecting 18 ins. from the ground, in a mound of stone, with a aluminum cap mkd., T4S R23E S5 S6 S31 S32 T5S R23E 1982.</p> <p>N. 0°18' W., bet. secs. 31 and 32.</p> <p>Over nearly level land, through medium creosote.</p> <p>29.13 The crossing closing cor. with the S. bdy. Fort Thomas Military Reservation, hereinbefore described.</p> <p>40.14 The 1/4 sec. cor. of secs. 31 and 32, determined by a mound of stone, 3 x 1 ft. This is accepted as the best available evidence of the original cor. position.</p> <p>At the cor. point</p> <p>Set an aluminum post, 28 ins. long, 1 in. diam., 24 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center; margin-top: 20px;"> <p>T4S R23E 1/4 S31   S32 1985</p> </div>
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Dependent Resurvey, Portion of the Subdivisional lines,  
T. 4 S., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS											
	<p>Rebuild old mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, W. of cor.</p> <p>Cor. is located 144 lks. W. of a N. and S. fence.</p> <hr/> <p>N. 0°22' W., beginning new measurement.</p>										
40.05	<p>The cor. of secs. 29, 30, 31 and 32, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 20 ins. from the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.</p>										
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">T4S R23E1</td> </tr> <tr> <td style="text-align: center;">S30</td> <td style="text-align: center;">S29</td> </tr> <tr> <td style="text-align: center;">S31</td> <td style="text-align: center;">S32</td> </tr> <tr> <td colspan="2" style="text-align: center;">1976</td> </tr> </table> <p style="text-align: center;">Restoring the resurvey by Paul L. Reeves, in 1976</p> <hr/> <p>S. 89°19' W., bet. secs. 30 and 31.</p> <p>Over rolling land, through medium creosote.</p>	T4S R23E1		S30	S29	S31	S32	1976			
T4S R23E1											
S30	S29										
S31	S32										
1976											
39.75	<p>The 1/4 sec. cor. of secs. 30 and 31, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. from the ground, in a mound of stone, 2 ft. base to top, with brass cap mkd.</p>										
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">T4S R23E</td> </tr> <tr> <td colspan="2" style="text-align: center;">S29</td> </tr> <tr> <td style="text-align: center;">1/4</td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="2" style="text-align: center;">S32</td> </tr> <tr> <td colspan="2" style="text-align: center;">1976</td> </tr> </table> <hr/> <p>S. 89°57' W., beginning new measurement.</p>	T4S R23E		S29		1/4	—	S32		1976	
T4S R23E											
S29											
1/4	—										
S32											
1976											
39.65	<p>The cor. of secs. 25, 30, 31 and 36, on the W. bdy. of the Tp., hereinbefore described.</p> <hr/>										

## BOOK 5313

T. 4 S., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS

## GENERAL DESCRIPTION

The land encompassed in this survey is located about 3 miles southwest of the town of Fort Thomas, Arizona. The average elevation is about 2,800 feet above sea level.

The vegetation consists of creosote, mesquite, yucca, catclaw and cacti.

The area is principally used for livestock grazing.

The mean magnetic declination is 13 1/2° E.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Donald L. Brewer	Surveying Technician
Robert J. Lyle	Surveying Technician
Mark F. Hanson	Survey Aid

## CERTIFICATE OF SURVEY

We, Paul L. Reeves and Will C. Gabonay, Cadastral Surveyors, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 8th day of April, 1982, We have dependently resurveyed the south boundary of the Fort Thomas Military Reservation, (abandoned), portions of the west boundary and subdivisional lines, Township 4 South, Range 23 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 us and under our direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Surveying Instructions, 1973, and in specific manner described in the foregoing field notes.

Paul L Reeves and Will C. Gabonay are no longer assigned to this office and are not available for signatures.

6/6/91  
(Date)

James L. Jechel  
(Field Supervisor)

## 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 the Fort Thomas Military Reservation, (abandoned), portions of the west boundary and subdivisional lines, Township 4 South, Range 23 East, Gila and Salt River Meridian, Arizona, executed by Paul L. Reeves and Will C. Gabonay, Cadastral Surveyors, having been critically examined and found correct, are hereby approved.

JUN 11 1991  
(Date)

James P. Kelley  
(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. 4 S., R. 23 E., Gila and Salt River Meridian, Arizona is a true copy of the original field notes.~~

~~\_\_\_\_\_~~  
~~(Date)~~

~~\_\_\_\_\_~~  
~~(Chief Cadastral Surveyor of Arizona)~~