

ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

DEPENDENT RESURVEY OF

PORTIONS

OF THE

WEST

AND

NORTH BOUNDARIES,

TOWNSHIP 37 NORTH, RANGE 30 EAST,

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

EXECUTED BY

William F. Olver, Cadastral Surveyor

Under Special Instructions dated and approved September 9, 1999, which provided for the surveys included under Group Number 844 and assignment instructions dated September 9, 1999.

Survey Commenced November 22, 1999
Survey Completed November 23, 1999

INDEX DIAGRAM

TOWNSHIP 37 NORTH, RANGE 30 EAST,

GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 37 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of portions of the west and north boundaries, Township 37 North, Range 30 East, Gila and Salt River Meridian, Arizona.

The west and north boundaries of the township were surveyed by Ty White in 1951.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated September 9, 1999, for Group No. 844, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic and static global positioning system observations using Trimble 4400 and 4700 model receivers.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Lost corners were reestablished and remonumented at proportionate positions or record distances based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from first order U. S. Coast and Geodetic Survey triangulation stations "BEAUTIFUL 1951" and "COMB 1951", as published by the National Geodetic Survey, NAD83(1992). The geographic position of the northwest corner of the township is as follows:

Latitude: 36°39'00.31" N. Longitude: 109°10'32.40" W.

The mean magnetic declination is 12° E.

Dependent Resurvey of a Portion of the West Boundary,
T. 37 N., R. 30 E., Gila and Salt River Meridian, Arizona

Restoring the survey executed by
Ty White, in 1951

Beginning at the 1/4 sec. cor. of secs. 7 and 12, on the W. bdy. of the Tp., determined from the original bearing trees

A forked piñon, 10 ins. diam. at blaze, bears S. 78° E.,
36 1/2 lks. dist., with scribe marks 1/4 S7 BT visible on
an open blaze. (Record: 36 lks. dist.)

Dependent Resurvey of a Portion of the West Boundary,
T. 37 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>A forked piñon, 10 ins. diam. at blaze, bears N. 72 1/4° W., 23 1/2 lks. dist., with scribe marks 1/4 S12 BT visible on an open blaze. (Record: 23 lks. dist.)</p> <p>There is no remaining evidence of the original iron post.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <div style="text-align: center;"> <p>T37N R29E R30E 1/4 S12 S 7 1999</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.</p> <p>N. 0°01' E., bet. secs. 7 and 12.</p> <p>Over rolling land.</p>
36.60	Graded road, 26 ft. wide, bears ENE in curve to right.
39.96	<p>The cor. of secs. 1, 6, 7, and 12, determined at 2 ft. E. of an uncapped rebar, 5/8 ins. diam., firmly set, projecting 1 in. above ground, of unknown origin, which is at the center of the scattered original accessory mound of stone; there is no remaining evidence of the original iron post. This is accepted as the best available evidence of the original cor. position.</p> <p>At the cor. point</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> <div style="text-align: center;"> <p>T37N R29E R30E S 1 S 6 ----- S12 S 7 1999</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.</p>

Dependent Resurvey of a Portion of the West Boundary,
T. 37 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Rebuild a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, W. of cor.
	North, bet. secs. 1 and 6.
	Over rolling land.
25.20	Apache County Road C466, a graded road, 20 ft. wide, bears SE and NW.
39.10	Wash, 20 ft. wide, 3 ft. deep, drains NE.
40.06	True point for the 1/4 sec. cor. of secs. 1 and 6, at proportionate dist.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T37N R29E R30E 1/4 S 1 S 6 1999</p>
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	<p>From this cor. point, the point for the original witness cor. to the 1/4 sec. cor. of secs. 1 and 6, bears North, 1.905 chs. dist., determined at 6 ins. E. of E. edge of the original accessory mound of stone, 3 ft. base, 1 ft. high; there is no remaining evidence of the original iron post. This is accepted as the best available evidence of the original witness cor. position, is utilized only to reestablish the true point for the 1/4 sec. cor. of secs. 1 and 6, and the point for the cor. of Tps. 37 and 38 N., Rs. 29 and 30 E.; and was not utilized as an angle point in order to simplify the record.</p>
	Destroy the original mound of stone.
	N. 0°04' E., beginning new measurement.
	Over rolling land.
36.50	Right fork of Blackhorse Creek, a wash, 50 ft. wide, 3 ft. deep, drains SE.

Dependent Resurvey of a Portion of the West Boundary,
T. 37 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS 40.005	<p>Point for the cor. of Ts. 37 and 38 N., Rs. 29 and 30 E., at record distances from the witness cor. to the 1/4 sec. cor. of secs. 1 and 6 and the 1/4 sec. cor. of secs. 6 and 31; there is no remaining evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td colspan="2">T38N</td></tr> <tr><td>R29E</td><td>R30E</td></tr> <tr><td>S36</td><td>S31</td></tr> <tr><td colspan="2">—</td></tr> <tr><td>S 1</td><td>S 6</td></tr> <tr><td colspan="2">T37N</td></tr> <tr><td colspan="2">1999</td></tr> </table> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.</p> <p>Cor. is located 1.40 chs. E. of right fork of Blackhorse Creek, a wash, 40 ft. wide, 4 ft. deep, drains SSE.</p> <hr/> <p style="text-align: center;">Dependent Resurvey of a Portion of the North Boundary, T. 37 N., R. 30 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p style="text-align: center;">Restoring the survey executed by Ty White, in 1951</p> <hr/> <p>From the 1/4 sec. cor. of secs. 6 and 31, on the N. bdy. of the Tp., monumented with an iron post, 1 in. diam., firmly set, flush with top of a mound of stone, 3 ft. base, 16 ins. high, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td>S31</td></tr> <tr><td>1/4 —</td></tr> <tr><td>S 6</td></tr> <tr><td>1951</td></tr> </table> </div> <p>Remark the brass cap to read</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td>T38N R30E</td></tr> <tr><td>S31</td></tr> <tr><td>1/4 —</td></tr> <tr><td>S 6</td></tr> <tr><td>T37N</td></tr> <tr><td>1951</td></tr> <tr><td>1999</td></tr> </table> </div>	T38N		R29E	R30E	S36	S31	—		S 1	S 6	T37N		1999		S31	1/4 —	S 6	1951	T38N R30E	S31	1/4 —	S 6	T37N	1951	1999
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Dependent Resurvey of a Portion of the North Boundary,
T. 37 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>from which the original bearing trees</p> <p>A forked piñon, 15 ins. diam. at blaze, bears S. 59 3/4° E., 73 lks. dist., with scribe marks 1/4 S6 BT visible on an open blaze.</p> <p>A forked piñon, 14 ins. diam. at blaze, bears N. 11 1/2° W., 1.01 chs. dist., with scribe marks 1/4 S31 BT visible on an open blaze. (Record: 102 lks. dist.).</p> <p>N. 89°58' W., bet. sec. 6 and 31.</p> <p>Over rolling land.</p> <p>34.00 Left fork of Blackhorse Creek, a wash, 80 ft. wide, 15 ft. deep, drains S.</p> <p>39.53 The cor. of Ts. 37 and 38 N., Rs. 29 and 30 E., hereinbefore described.</p>
	<hr/> <p>GENERAL DESCRIPTION</p> <hr/>
	<p>The area surveyed is located about 6 miles northerly of the community of Cove, Arizona. The terrain varies from gently rolling to rolling land in the valley of Blackhorse Creek. The drainage is southeasterly, with Blackhorse Creek, a wash, being the principal drainage.</p> <p>The elevation varies from 5910 to 5960 feet above sea level. The soil is mostly sandy and rocky clay, with some bare clay eroded areas and rock outcrops. The timber primarily consists of some scattered piñon and juniper. The principal vegetation is scattered brush and native grasses.</p> <p>Principal access to the township is provided by Apache County Road C466, and another graded road, which enter the township on the west boundary. Both roads originate from Navajo Route 33B, a graded road which roughly parallels the west boundary of the township. Much of the area is used for grazing livestock. There is no mining activity in the area surveyed.</p> <p>The mean magnetic declination is 12° E, as derived from the United States Geological Survey computer program GEOMAGIX utilizing the Regional Magnetic Field Model for Epoch 1995 for the dates of survey.</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Jones Curtiss	Cadastral Surveyor
Daniel Bryan	Engineering Technician
Wilfred Chee	Engineering Technician
Edward Clarke	Engineering Technician
Reuben Mason	Engineering Technician
Barney Woodie	Engineering Technician

CERTIFICATE OF SURVEY

I, William F. Olver, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 9th day of September, 1999, I have dependently resurveyed portions of the west and north boundaries, Township 37 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, 1973, and in specific manner described in the foregoing field notes.

12/03/01
(Date)

William F. Olver
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of portions of the west and north boundaries, Township 37 North, Range 30 East, Gila and Salt River Meridian, Arizona, executed by William F. Olver, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

January 30, 2002
(Date)

Kenny D. Ravnikar
(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. 37 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)~~