

ORIGINAL

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A PORTION OF THE
NORTH BOUNDARY
AND A PORTION OF THE
SUBDIVISIONAL LINES

TOWNSHIP 4 SOUTH, RANGE 12 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Daniel L. Maxey, Cadastral Surveyor

Under Special Instructions dated February 4, 2008, approved February 4, 2008, which provided for the surveys included under Group No. 1040 and assignment instructions dated February 4, 2008.

Survey commenced February 13, 2008

Survey completed February 20, 2008

INDEX DIAGRAM

TOWNSHIP 4 SOUTH RANGE 12 EAST
GILA AND SALT RIVER MERIDIAN, ARIZONA

6	5	4	3 ⁵	2 ^{4 4}	1 ⁴ 5
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

T. 4 S., R. 12 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the north boundary and a portion of the subdivisional lines, Township 4 South, Range 12 East, Gila and Salt River Meridian, Arizona.

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

William H. Thorn surveyed the East boundary in 1922. Dupree R. Averill resurveyed the West boundary and surveyed the South and North boundaries and subdivisional lines in 1924.

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 February 4, 2008, for Group Number 1040, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 5700 model receivers.

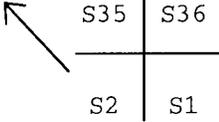
Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official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

Geodetic control was derived from Global Positioning System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) DH4132 AZCL COOLIDGE CORS ARP, DH4134 AZKR KEARNY CORS ARP and DF5763 AZGB GILA COUNTY CORS ARP. The NAD_83 (CORS96)(EPOCH:2002.0000), geographic position of the 1/4 section corner of sections 1 and 2 is as follows:

Latitude: 33°06'45.82" N. Longitude: 111°05'03.68" W.

The mean magnetic declination is 11° E.

**Dependent Resurvey of a Portion of the North Boundary,
T. 4 S., R. 12 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p style="text-align: center;">Restoring the survey executed by Dupree R. Averill, in 1924</p> <hr/> <p>Beginning at the 1/4 sec. cor. of secs. 1 and 36, on the N. bdy. of the Tp., monumented with an iron post, 1 in. diam., firmly set, projecting 9 ins. above the ground, with brass cap mkd. 1/4 S36 S1 1924, with a mound of stone, 2 ft. base, 1 ft. high, to the S. Add the marks T3S R12E T4S R12E 2008 to the brass cap.</p> <p>S. 89°59' W., bet. secs. 1 and 36, on the N. bdy. of the Tp.</p> <p>40.00 Point for the true point for the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., determined at proportionate dist., there is no remaining evidence of the orig. cor., falls in wash where it is impracticable to establish a permanent monument.</p> <p>From this true point, the point selected for a witness cor. to the cor. of secs. 1, 2, 35 and 36, bears S. 36°53' E., 1.23 chs. dist.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 3 S R 12 E</p> <p>WC</p>  <p>T 4 S R 12 E</p> <p>2008</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the aluminum post.</p>
	<p>S. 89°59' W., bet. secs. 2 and 35, on the N. bdy. of the Tp.</p> <p>40.00 The 1/4 sec. cor. of secs. 2 and 35, on the N. bdy. of the Tp., monumented with an iron post, 1 in. diam., firmly set, projecting 13 ins. above the ground, with brass cap mkd. 1/4 S35 S2 1924, with a mound of stone, 3 ft. base, 2 ft. high, to the S. Add the marks T3S R12E T4S R12E 2008 to the brass cap.</p> <hr/>
	<p>N. 89°57' W., bet. secs. 2 and 35, beginning new measurement.</p> <p>22.73 Point for a witness point on line bet. secs. 2 and 35, on the N. bdy. of the Tp.</p>

**Dependent Resurvey of a Portion of the North Boundary,
T. 4 S., R. 12 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Set an aluminum rod, 3/4 in. diam., 36 ins. long, 30 ins. in the ground, in a collar of stone, with an aluminum cap mkd.</p> <p align="center">WP T 3 S R 12 E S 35 ----- S 2 T 4 S R 12 E</p> <p align="center">2008</p>
22.88	Intersect the center line of the proposed Arizona Trail right-of-way. Proposed Trail bears S. 21°05' E. and N. 21°05' W.
40.08	<p>The cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 20 ins. above the ground, in a supporting mound of stone, 5 ft. base, 18 ins. high, with brass cap mkd. T3S R12E S34 S35 S3 S2 T4S 1924. Add the marks 2008 to the brass cap.</p> <hr/> <p align="center">Dependent Resurvey of a Portion of the Subdivisional Lines, T. 4 S., R. 12 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the 1/4 sec. cor. of secs. 1 and 2, monumented with an iron post, 1 in. diam., firmly set, projecting 10 ins. above the ground, with brass cap mkd. 1/4 S2 S1 1924, with a mound of stone, 3 ft. base, 1 ft. high, to the W. Add the marks T4S R12E 2008 to the brass cap.</p> <p>N. 0°02' W., bet. secs. 1 and 2.</p>
28.97	Intersect the center line of the proposed Arizona Trail right-of-way. In the center of a trail road, 10 ft. wide. Proposed Trail and road bears N. 68°40' E. and S. 68°40' W.
29.12	Point for a witness point on line bet. secs. 1 and 2.
	<p>Set an aluminum rod, 3/4 in. diam., 36 ins. long, 30 ins. in the ground, in a collar of stone, with an aluminum cap mkd.</p> <p align="center">WP T 4 S R 12 E S 2 S 1 ----- 2008</p>
38.98	The true point for the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., hereinbefore described.

T. 4 S., R. 13 E., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

This survey was executed in conjunction with an administrative survey of the center line right-of-way of a portion of the proposed Arizona Trail which will meander through the northeastern portion of the township.

The Gila river is the main water source which traverses the northern portion of the Township. Access to the area surveyed is from State Road No. 177 on to a trail road, locally known as Battleaxe Road, through Walnut Canyon and crossing a pass over the Tortilla Mountain Range.

The mean elevation of the area surveyed is approximately 1700 feet. The area is mostly undisturbed, but there are several well used jeep trails through it. The vegetation is classic to the Arizona Upland subdivision of the Sonoran Desertscrub with many fine specimens of mesquite, palo verde, and a wide variety of cacti. Wildlife observed was also typical of the biotic community.

The mean magnetic declination of 11° E. was derived from the National Geophysical Data Center's magnetic declination calculator, GEOMAG v6.0, utilizing the International Geomagnetic Reference Field model for years 2005 through 2010, for the dates of survey.

CERTIFICATE OF SURVEY

I, Daniel L. Maxey, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 4th day of February, 2008, I have dependently resurveyed a portion of the north boundary and a portion of the subdivisional lines, T. 4 S., R. 12 E., 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. 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.

7-23-08

(Date)

Daniel L. Maxey

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the north boundary and a portion of the subdivisional lines, T. 4 S., R. 12 E., Gila and Salt River Meridian, in the State of Arizona, executed by Daniel L. Maxey, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

4/6/2009

(Date)

Stephen K. Hansen

(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. 12 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~