

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A PORTION OF THE
SUBDIVISIONAL LINES

TOWNSHIP 3 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 28, 2008

Survey completed February 26, 2009

INDEX DIAGRAM

TOWNSHIP 3 SOUTH RANGE 12 EAST
GILA AND SALT RIVER MERIDIAN, ARIZONA

6	5	4	3	2	1
7	8	9	10	11	12
18	17 ⁶	16	15	14	13
19	20	21	22	23	24
30	29 ⁵	28 ₄	27	26	25
31	32	33	34	35	36

T. 3 S., R. 12 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, Township 3 South, Range 12 East, Gila and Salt River Meridian, Arizona.

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

Theodore VanderMeer and Otto L. Draper surveyed the subdivisional lines in 1927.

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 corner of sections 27, 28, 33 and 34 is as follows:

Latitude: 33°08'03.44" N. Longitude: 111°07'07.86" W.

The mean magnetic declination is 10 3/4° E.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 3 S., R. 12 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Restoring the survey executed by Theodore VanderMeer and Otto L. Draper in 1927</p> <hr/>
	<p>Beginning at the cor. of secs. 27, 28, 33 and 34, monumented with an iron post, 2 ins. diam., firmly set, projecting 4 ins. above a supporting mound of stone, 4 ft. base, 2 ft. high, with a GLO brass cap mkd. T3S R12E S28 S27 S33 S34 1927.</p>
	<p>Add the marks 2008 to the brass cap.</p>
	<p>S. 89°55' W., bet. secs. 28 and 33.</p>
25.11	<p>Point for a witness point on line bet. secs. 28 and 33.</p> <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>WP T 3 S R 12 E S 28 <hr/>S 33 2008</p>
25.43	<p>Intersect the center line of the proposed Arizona Trail right-of-way, 15 ft. wide, bears S. 72°48' E. and N. 72°48' W.</p>
26.40	<p>Intersect the center line of the proposed Arizona Trail right-of-way, 15 ft. wide, bears S. 68°06' E. and N. 68°06' W.</p>
26.79	<p>Intersect the center line of the proposed Arizona Trail right-of-way, 15 ft. wide, bears S. 44°34' E. and N. 44°34' W.</p>
40.055	<p>The 1/4 sec. cor. of secs. 28 and 33, monumented with an iron post, 1 in. diam., firmly set, projecting 16 ins. above a supporting mound of stone, 4 ft. base, 1 ft. high, with a GLO brass cap mkd. 1/4 S28 S33 1927.</p> <p>Add the marks T3S R12E 2008 to the brass cap.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 28 and 29, monumented with an iron post, 1 in. diam., firmly set, projecting 2 ft. above the ground, in a supporting mound of stone, 4 ft. base, 1 ft. high, with a GLO brass cap mkd. 1/4 S29 S28 1927.</p> <p>Add the marks T3S R12E 2009 to the brass cap.</p> <p>Rehabilitate supporting mound of stone, 5 ft. base, to top of iron post.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 3 S., R. 12 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>From this cor. point, the center line of the proposed Arizona Trail right-of-way, 15 ft. wide, determined on line bet. secs. 28 and 29, at record bearing from the 1/4 sec. cor., bears S. 0°02' E., 96 lks. dist., proposed trail bears S. 38°17' E. and N. 38°17' W.</p> <p>N. 0°08' W., bet. secs. 28 and 29.</p>
32.93	Intersect the center line of the proposed Arizona Trail right-of-way, 15 ft. wide, bears N. 29°18' E. and S. 29°18' W.
38.80	Intersect the center line of the proposed Arizona Trail right-of-way, 15 ft. wide, bears S. 21°33' E. and N. 21°33' W.
39.78	<p>The cor. of secs. 20, 21, 28 and 29, monumented with an iron post, 2 ins. diam., loosely set, projecting 12 ins. above a supporting mound of stone, 4 ft. base, 2 ft. high, with a GLO brass cap mkd. T3S R12E S20 S21 S29 S28 1927.</p> <p>Add the marks 2009 to the brass cap.</p> <p>from which</p> <p style="padding-left: 40px;">A quartzite boulder, 5 x 3 x 3 ft. high, bears S. 18°06' E., 69.5 lks. dist., with XBO chiseled on the top.</p> <p style="padding-left: 40px;">A quartzite boulder, 2.5 x 1.5 ft., firmly embedded flush with the ground, bears S. 27°36' W., 34.5 lks. dist., with XBO chiseled on the top.</p>
	<p>From this cor. point, the center line of the proposed Arizona Trail right-of-way, 15 ft. wide, determined on line bet. secs. 20 and 29, at record bearing from the sec. cor., bears N. 89°48' W., 38.5 lks. dist., proposed trail bears S. 21°43' E. and N. 21°43' W.; and on the same bearing, 10.395 chs. dist., proposed trail bears N. 53°32' E. and S. 53°32' W.; and on the same bearing, 13.825 chs. dist., proposed trail bears S. 20°18' E. and N. 20°18' W.</p> <hr/> <p style="text-align: center;">NOTE.--- The following described cor. was recovered for administrative purposes only. No dependent resurveys of the subdivisional lines extend from this cor.</p> <hr/> <p>The 1/4 sec. cor. of secs. 17 and 20, monumented with an iron post, 1 in. diam., firmly set, projecting 1 in. above a supporting mound of stone, 4 ft. base, 27 ins. high, with a GLO brass cap mkd. 1/4 S17 S20 1927.</p> <p>Add the marks T3S R12E 2009 to the brass cap.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 3 S., R. 12 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>From this cor. point, the center line of the proposed Arizona Trail right-of-way, 15 ft. wide, determined on line bet. secs. 17 and 20, at record bearing from the 1/4 sec. cor., bears N. 89°48' W., 16.22 chs. dist., proposed trail bears S. 75°39' E. and N. 75°39' W.; and on the same bearing, 18.05 chs. dist., proposed trail bears N. 8°05' E. and S. 8°05' W.; and on the same bearing, 22.90 chs. dist., proposed trail bears N. 9°26' E. and S. 9°26' W.</p> <hr/>
	<p>From the true point for the 1/4 sec. cor. of secs. 16 and 17.</p>
	<p>From this true point, the witness cor. to the 1/4 sec. cor. of secs. 16 and 17, bears N. 5°00' E., 1.80 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 25 ins. above the ground, in a supporting mound of stone, 3 1/2 ft. base, 2 ft. high, with a GLO brass cap mkd. 1/4 S17 S16 WC 1927.</p>
	<p>Add the marks T3S R12E 2009 to the brass cap.</p>
	<p>N. 0°06' E., bet. secs. 16 and 17.</p>
6.30	<p>Intersect the center line of the proposed Arizona Trail right-of-way, 15 ft. wide, bears N. 56°47' E. and S. 56°47' W.</p>
39.32	<p>Intersect the center line of the proposed Arizona Trail right-of-way, 15 ft. wide, bears S. 55°49' E. and N. 55°49' W.</p>
39.91	<p>The cor. of secs. 8, 9, 16 and 17, monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above ground, with a GLO brass cap mkd. T3S R12E S8 S9 S17 S16 1927, with a mound of stone, 3 ft. base, 3 ft. high, to the West.</p>
	<p>Add the marks 2009 to the brass cap.</p> <hr/>

T. 3 S., R. 12 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 the proposed Arizona Trail which will meander the township.

Access to the area surveyed is from State Road No. 177 on 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 2800 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 $10\ 3/4^{\circ}$ 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 subdivisional lines, T. 3 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, 1973, and in specific manner described in the foregoing field notes.

4-2-09
(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 subdivisional lines, T. 3 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. 3 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)~~