

ORIGINAL

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

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF FRACTIONAL

TOWNSHIP 14 SOUTH, RANGE 17 WEST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA,

EXECUTED BY

Joel A. Emert, Cadastral Surveyor

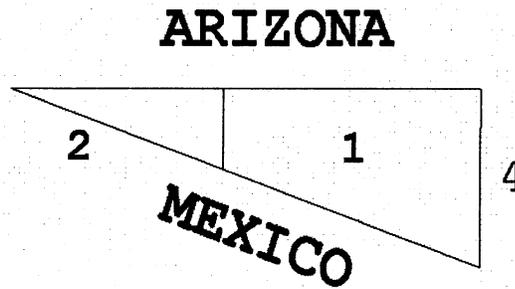
Under Special Instructions dated November 3, 2006, approved November 3, 2006, which provided for the surveys included under Group No. 1014, assignment instructions dated November 3, 2006.

Survey commenced November 20, 2006

Survey completed November 21, 2006

INDEX DIAGRAM

TOWNSHIP 14 SOUTH RANGE 17 WEST
GILA AND SALT RIVER MERIDIAN, ARIZONA



Fractional**T. 14 S., R. 17 W., Gila and Salt River Meridian, Arizona**

CHAINS

The following field notes describe the dependent resurvey of the east boundary of fractional Township 14 South, Range 17 West, Gila and Salt River Meridian, Arizona.

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

Benjamin J. Kinsey surveyed the east boundary in 1940.

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 November 3, 2006, for Group No. 1014, Arizona.

The true meridian direction and length of all lines were determined by fast static 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 post observations processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS), MOHAWKVALLAZ2006 CORS ARP, MCDOT BUCKEYE CORS ARP and MARICOPA CORS ARP. The NAD 83 (CORS96) (EPOCH:2006.8871), geographic position of the Northeast corner of the Township, is as follows:

Latitude: 32°14'40.35" N. Longitude: 113°57'41.13" W.

The mean magnetic declination is 11 3/4° E.

**Dependent Resurvey of the East Boundary of Fractional,
T. 14 S., R. 17 W., Gila and Salt River Meridian**

Restoring the survey executed by
Benjamin J. Kinsey in 1940

Beginning at the cor. of Tps. 13 and 14 S., Rs. 16 and 17 W., monumented with an iron post, 3 ins. diam., firmly set, projecting 12 ins. above the ground, in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd. T13S R17W R16W S36 S31 S1 S6 T14S 2006 1940.

**Dependent Resurvey of the East Boundary of Fractional
T. 14 S., R. 17 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>From which the orig. bearing trees</p> <p style="padding-left: 40px;">An ironwood, 25 ins. diam., bears S. 36 1/2° E., 2.23 chs. dist., with scribe marks T14S R16W S6 B visible on a partially open blaze.</p> <p style="padding-left: 40px;">A forked ironwood, 48 ins. diam. at base, bears N. 36 3/4° W., 7.13 chs. dist., with scribe marks T13S R17W S36BT faintly marked on a 12 in. limb, on a partially open blaze.</p> <p>With an accessory mound of stone, 2 ft. base, 1 ft. high, S. of cor., and with a steel fence post with an attached, B.L.M., standard sign, S-201, N. of cor.</p> <p>S. 0°05' W., bet. secs. 1 and 6. on the E. bdy. of the Tp.</p>
39.96	<p>The 1/4 sec. cor. of secs. 1 and 6, monumented with an iron post, 1 in. diam., firmly set, projecting 14 ins. above the ground, with brass cap mkd. 1/4 S1 S6 1940.</p> <p>Add the marks T14S R17W R16W 2006 to the brass cap.</p> <p>Set a steel fence post with an attached, B.L.M., standard sign, S-201, N. of cor.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 0°08' W., beginning new measurement.</p>
13.51	<p>The closing cor. of secs. 1 and 6 on the international bdy. line bet. the United States and Mexico, monumented with an iron post, 3 ins. diam., firmly set, projecting 12 ins. above the ground, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd. CC T14S R17W R16W S1 S6 MEXICO 1940.</p> <p>From this cor., the international bdy. monument No. 188, bears S. 70°01' E., 235.05 chs. dist., monumented with an iron obelisk, 6 1/2 ft. high, 1 ft. square base, bolted onto a concrete pad, 3 ft. square.</p> <p>From this same cor., the international bdy. monument No. 189, bears N. 70°01' W., 76.44 chs. dist., monumented with an iron obelisk, 6 1/2 ft. high, 1 ft. square base, bolted onto a concrete pad, 3 ft. square.</p> <hr style="width: 20%; margin: 10px auto;"/>

Fractional

T. 14 S., R. 17 W., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

This resurvey is located about 30 miles south of Tacna, Arizona. The area west of the survey is part of the Marine Corps Management Area within the Barry M. Goldwater Range. The area to the east of the resurvey is part of the Cabeza Prieta National Wildlife Refuge.

The terrain is gently sloping to the northwest with numerous washes. The average elevation is approximately 850 feet above sea level. Vegetation is primarily creosote and sage with sparse paloverde, ironwood and saguaro cactus.

Access is an unimproved road located approximately 1 1/2 miles south of Interstate 8 on Avenue 29E in the town of Wellton, Arizona.

The mean magnetic declination of $11\ 3/4^{\circ}$ 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 the survey.

CERTIFICATE OF SURVEY

I, Joel A. Emert, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 3rd day of November, 2006, I have Dependently resurveyed the east boundary of fractional T. 14 S., R. 17 W., 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.

June 16, 2007
(Date)

Joel A. Emert
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of the east boundary of fractional T. 14 S., R. 17 W., Gila and Salt River Meridian, in the State of Arizona, executed by Joel A. Emert, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

July 9, 2007
(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 fractional T. 14 S., R. 17 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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