Book 5923

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 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 May 4, 2010

Survey completed May 25, 2010

INDEX DIAGRAM

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

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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 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. Daniel L. Maxey resurveyed portions of the north boundary and subdivisional lines in 2008.

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 2, 3, 10 and 11 is as follows:

Latitude: 33°06'19.64" N. Longitude: 111°06'05.48" W.

The mean magnetic declination is 11° E.

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

CHAINS	
	Restoring the survey executed by Dupree R. Averill, in 1924
	Beginning at the cor. of secs. 2, 3, 10 and 11, monumented with an iron post, 2 ins. diam., firmly set, projecting 6 ins. above a supporting mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd. T4S R12E S3 S2 S10 S11 1924. Add the marks 2010 to the brass cap.
	N. 0°19' W., bet. secs. 2 and 3.
13.00	Railroad track bears NE and SW.
16.70	Left bank Gila River, bears NE and SW.
17.70	Right bank of Gila River, bears NE and SW.
40.05	The 1/4 sec. cor. of secs. 2 and 3, determined at a point 1 lk. east of the east edge of the orig. accessory mound of stone, 2 ft. base, 1 1/2 ft. high.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T4S R12E 1/4 S3 | S2 2010
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Rebuild accessory mound of stone, 3 ft. base, 2 ft. high.
	N. 0°21' W., bet. secs. 2 and 3, beginning new measurement.
39.05	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 2008.

T. 4 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 through the north half 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 (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 2010 through 2015, for the dates of survey.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Mark Searles	Surveying Technician
Francisco Mendoza	Outdoor Recreation Planner

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. 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, 1973, and in specific manner described in the foregoing field notes.

7-22-2010
(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. 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.

8/3/2010
(Date)

Danny N. West
Acting (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)