

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 13 SOUTH, RANGE 11 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Daniel L. Maxey, Cadastral Surveyor

Under Special Instructions dated April 27, 2009, approved April 27, 2009, which provided for the surveys included under Group No. 1065, and assignment instructions dated April 27, 2009.

Survey commenced April 28, 2009

Survey completed April 29, 2009

INDEX DIAGRAM

TOWNSHIP 13 SOUTH

RANGE 11 EAST

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

T. 13 S., R. 11 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, Township 13 South, Range 11 East, Gila and Salt River Meridian, Arizona.

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

S. W. Foreman surveyed a portion of the north boundary in 1871. Philip Contzen resurveyed the west boundary in 1895 and surveyed the north, east and south boundaries and a portion of the subdivisional lines in 1903. William Hiester resurveyed a portion of the subdivisional lines and completed the survey of the subdivisional lines in 1932.

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 April 27, 2009, for Group No. 1065, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 5800 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), AI3680 COT1 TUCSON CORS ARP, DH4134 AZKR KEARNY CORS ARP and DF5763 AZGB GILA COUNTY CORS ARP. The NAD 83 (CORS96) (EPOCH: 2002.0000) (EPOCH: 2009.3229), geographic position of the corner of sections 27, 28, 33 and 34, Township 13 South, Range 11 East, is as follows:

Latitude: 32°15'45.86" N. Longitude: 111°13'05.29" W.

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

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 S., R. 11 E., Gila and Salt River Meridian, Arizona**

Restoring the survey executed by
Philip Contzen in 1903

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 S., R. 11 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Beginning at the cor. of secs. 27, 28, 33 and 34, monumented with a rebar, 1/2 ins. diam., firmly set, 3 ft. East of the centerline, 1 in. below the surface of Sandario Road, asphalt surface, 24 ft. wide, bears N. and S. This is accepted as a careful and faithful perpetuation of the orig. cor. position. Not remonumented.</p>
	<p>from which reference monuments described on "Arizona Land Survey Monument Record" as referencing a GLO pipe, dated 5-21-57, and filed in the County of Pima, State of Arizona</p>
	<p>A rebar, 1/2 in. diam., firmly set, 3 ins. below the surface of the ground, bears N. 45°10' E., 106.1 ft. dist.</p>
	<p>A rebar, 1/2 in. diam., firmly set, projecting 4 ins. above ground, in a collar of stone, 2 ft. diam., bears S. 44°45' E., 106.1 ft. dist.</p>
	<p>A rebar, 1/2 in. diam., firmly set, projecting 2 ins. above ground, bears S. 45°14' W., 106.1 ft. dist., located 1 ft. NE of a fence cor., with fences extending S. and W.</p>
	<p>A rebar, 1/2 in. diam., firmly set, projecting 3 ins. above ground, in a collar of stone, 18 ins. diam., bears N. 44°46' W., 106.1 ft. dist.</p>
	<p>and from which new reference monuments</p>
	<p>A stainless steel post, 28 ins. long, 2 1/2 in. diam., set 24 ins. in the ground, bears N. 44°46' E., 80.0 ft. dist., with brass cap mkd. RM T13S R11E S27 80.00 FT 2009, and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
	<p>A stainless steel post, 28 ins. long, 2 1/2 in. diam., set 24 ins. in the ground, bears S. 44°46' E., 100.0 ft. dist., with brass cap mkd. RM T13S R11E S34 100.00 FT 2009, and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
	<p>A stainless steel post, 28 ins. long, 2 1/2 in. diam., set 24 ins. in the ground, bears N. 44°47' W., 100.0 ft. dist., with brass cap mkd. RM T13S R11E S28 100.00 FT 2009, and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
	<p>S. 89°55' W., bet. secs. 28 and 33, on the S. bdy. of Saguardo National Park.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 S., R. 11 E., Gila and Salt River Meridian, Arizona**

CHAINS	
17.17	<p>From this point, Hole 16, a point of interest identified in the field by Saguaro National Park personnel, bears North, 9.0 ft. dist., occupied with a rebar, 1/2 in. diam., projecting 2 ins. above ground, with a plastic cap with no marks and an attached steel tag, mkd. 14. Point falls 25 ft. N. of the N. edge of Fort Lowell Road, a graded dirt road, 15 ft. wide, bears E. and W.</p>
40.035	<p>Point accepted for the 1/4 sec. cor. of secs. 28 and 33, determined from reference monuments described on "Arizona Land Survey Monument Record" as referencing a 1/2 in. steel pin, dated 6-30-98, and filed in the County of Pima, State of Arizona. There is no evidence of the referenced steel pin. The reference monuments are accepted as best available evidence of the orig. cor. position.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 6 ins. below the surface of a graded dirt road, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 13 S R 11 E</p> <p>S 28</p> <p>1/4 ———</p> <p>S 33</p> <p>2009</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Cor. is located at the N. edge of Fort Lowell Road, graded dirt road, 15 ft. wide, bears E. and W.</p> <p>from which</p> <p style="padding-left: 40px;">A rebar, 1/2 in. diam., firmly set, 3 ins. above the surface of the ground, bears N. 52°46' E., 53.8 ft. dist. Cor. is located beneath a barbed wire fence, 4 strand, bears E. and W.</p> <p style="padding-left: 40px;">A rebar, 1/2 in. diam., firmly set, 1 ins. below the surface of the ground, with an attached metal washer, 3/4 in. diam., mkd. PCDOT REF, bears S. 51°06' E., 52.8 ft. dist.</p> <p style="padding-left: 40px;">A rebar, 1/2 in. diam., firmly set, 1 ins. below the surface of the ground, with an attached metal washer, 3/4 in. diam., mkd. PCDOT REF, bears S. 52°30' W., 39.9 ft. dist.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 S., R. 11 E., Gila and Salt River Meridian, Arizona**

CHAINS							
	<p>A rebar, 1/2 in. diam., firmly set, 3 ins. above the surface of the ground, bears N. 51°27' W., 51.5 ft. dist.</p>						
	<p>S. 89°54' W., beginning new measurement.</p>						
2.32	<p>From this point, Hole 3, a point of interest identified in the field by Saguaro National Park personnel, bears North, 18.9 ft. dist. At the point, bury a magnet in a white plastic case, 6 ins. below the surface of a hole, 3 ft. diam., 1 ft. deep, set a steel nail, 6 ins. long, flush with the bottom of the hole and above the magnet. Point falls 4 ft. N. of the N. edge of Fort Lowell Road, a graded dirt road, 15 ft. wide, bears E. and W.</p>						
4.33	<p>From this point, Hole 1, a point of interest identified in the field by Saguaro National Park personnel, bears North, 13.7 ft. dist. At the point, bury a magnet in a white plastic case, 6 ins. below the surface of a hole, 3 ft. diam., 6 ins. deep, set a steel nail, 6 ins. long, flush with the bottom of the hole and above the magnet. Point falls 2.5 ft. N. of the N. edge of Fort Lowell Road, a graded dirt road, 15 ft. wide, bears E. and W.</p>						
40.035	<p>Point accepted for the cor. of secs. 28, 29, 32 and 33, occupied with an iron pipe, 1 1/2 ins. diam., firmly set, flush with the ground, in a collar of stone, 2 ft. diam., with lead cap, 2 ins. diam., mkd. 32 33. This is accepted as best available evidence of the orig. cor. position.</p>						
	<p>At the corner point</p>						
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a collar of stone, 3 ft. diam., with brass cap mkd.</p>						
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">T 13 S R 11 E</td> </tr> <tr> <td style="text-align: center;">S 29</td> <td style="text-align: center;">S 28</td> </tr> <tr> <td style="text-align: center;">S 32</td> <td style="text-align: center;">S 33</td> </tr> </table>	T 13 S R 11 E		S 29	S 28	S 32	S 33
T 13 S R 11 E							
S 29	S 28						
S 32	S 33						
	<p style="text-align: center;">2009</p>						
	<p>from which reference monuments described on "Arizona Land Survey Monument Record" as referencing a 1 3/4 ins. lead cap, dated 5-23-90, and filed in the County of Pima, State of Arizona</p>						
	<p>A rebar, 1/2 in. diam., firmly set, projecting 2 ins. above the ground, bears N. 44°51' E., 106.1 ft. dist.</p>						
	<p>A rebar, 1/2 in. diam., firmly set, projecting 2 ins. above ground, bears S. 44°56' E., 105.9 ft. dist., located 1 ft. S. of fence, bears E. and W.</p>						

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CHAINS

A rebar, 1/2 in. diam., firmly set, projecting 2 ins. above ground, bears S. 44°52' W., 106.1 ft. dist.

A rebar, 1/2 in. diam., firmly set, 1 in. below the surface of the ground, bears N. 44°04' W., 106.1 ft. dist.

and from which reference monuments described on "Arizona Land Survey Monument Record" as referencing a 2 ins. lead cap, dated 6-30-98, and filed in the County of Pima, State of Arizona

A rebar, 1/2 in. diam., firmly set, projecting 2 ins. above the ground, with a steel washer, 3/4 in. diam., mkd. PCHD RP, bears N. 0°02' E., 35.6 ft. dist., located 3.5 ft. N. of fence cor., with fences extending N. and E.

A rebar, 1/2 in. diam., firmly set, projecting 2 ins. above ground, with a steel washer, 3/4 in. diam., mkd. PCHD RP, bears S. 1°46' E., 65.0 ft. dist., located 2 ft. N. of fence cor., with fences extending N., E. and S.

A rebar, 1/2 in. diam., firmly set, projecting 2 ins. above ground, with a steel washer, 3/4 in. diam., mkd. PCHD RP, bears S. 62°23' E., 79.0 ft. dist.

Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Insert iron pipe with lead cap inside of the stainless steel post.

Cor. is located 15 ft. S. of S. edge of Fort Lowell Road, graded dirt road, 15 ft. wide, bears E. and W., and 3 ft. south of fence cor., with fences extending S. and W.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 S., R. 11 E., Gila and Salt River Meridian, Arizona**

CHAINS

GENERAL DESCRIPTION

The resurvey is located about 15 miles west of Tucson, Arizona. Access is by way of Sandario Road, a two lane paved asphalt road which runs N. and S. at the east cor. of the survey and Fort Lowell Road, a graded dirt road which runs E. and W., generally along the section line described in the field notes.

The terrain is predominately bottom lands. The timber consists of scattered paloverde and mesquite, with undergrowth of creosote and grasses and an abundance of Saguaro cacti. The mean elevation is 2300 feet above sea level.

No mineral deposits or activity was noted during the course of the resurvey.

The mean magnetic declination of $10\ 3/4^\circ$ E. was derived from the computer program GEOMAGIX, utilizing the World Magnetic Model for Epoch WMM-2005 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 27th day of April, 2009, have dependently resurveyed a portion of the subdivisional lines, T. 13 S., R. 11 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.

5-28-09
(Date)

Daniel L. Maxey
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey a portion of the subdivisional lines, T. 13 S., R. 11 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.

6/8/2009
(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. 13 S., R. 11 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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