

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDANT RESURVEY
OF A PORTION OF
THE SUBDIVISIONAL LINES,
AND A
METES-AND-BOUNDS SURVEY IN SECTION 28,
TOWNSHIP 13 NORTH, RANGE 4 WEST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Geoffrey A. Graham, Cadastral Surveyor

Under Special Instructions dated September 25, 2014, approved September 25, 2014, which provided for the surveys included under Group No. 1140, and assignment instructions dated September 25, 2014.

Survey commenced October 20, 2014

Survey completed October 23, 2014

INDEX DIAGRAM

TOWNSHIP 13 NORTH RANGE 4 WEST
 GILA & SALT RIVER MERIDIAN, ARIZONA

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

Metes-and-Bounds Survey in Sec. 28 Pages 6-7

T. 13 N., R. 4 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, and a metes-and-bounds survey in section 28, Township 13 North, Range 4 West, Gila and Salt River Meridian, Arizona.

This survey was performed at the request of the Hassayampa Field Office to facilitate the resolution of a potential trespass.

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

S.W. Foreman surveyed the subdivisional lines in 1871.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions for the Survey of the Public Lands of the United States, 2009, and the Special Instructions dated September 25, 2014, for Group Number 1140, Arizona.

The true meridian direction and length of all lines were determined by static and real time kinematic global positioning system observations using Trimble Navigation 5700 and 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. 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) DL6308 AZWA MORRISSTOWN, AI8820 FERN FERNO MESA, and DN2121 AZPA PEORIA FIREEST 195. The NAD 83 (2011) (EPOCH: 2010.0000), geographic position of the following two corners are:

The corner of sections 20, 21, 28, and 29

Latitude: 34°26'45.623" N. Longitude: 112°41'33.633" W.

The corner of sections 21, 22, 27, and 28

Latitude: 34°26'45.830" N. Longitude: 112°40'30.767" W.

The mean magnetic declination is 11° E.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 N., R. 4 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">Restoring the survey executed by S. W. Foreman, in 1871</p> <hr/> <p>Beginning at the cor. of secs. 20, 21, 28 and 29, monumented with a basalt stone, 6 X 9 ins., projecting 5 ins. above ground, firmly set, mkd. with 3 grooves on the S. face, 4 grooves on the E. face, and a + on top.</p> <p>Cor. is located 3 lks. S. and 3 lks. W. of a cor. of fences extending N. and S. 85° E.</p> <p>S. 85°38' E., bet. secs. 21 and 28. Generally 2 ft. southerly of fence line.</p> <p>39.95 The 1/4 sec. cor. of secs. 21 and 28, monumented with an iron reinforcement bar, 1/2 in. diam., firmly set, projecting 1 in. above ground, with no marks, established by persons unknown. This position has been locally relied upon for the subdivision of sec. 21, as first recorded by Frank Yarbrough in 1975, Bk. 2 of Land Surveys, Pg. 32, Yavapai County Recorder's Office. This cor. position is consistent with other documented distortion in the original survey and is accepted as the best available evidence of the original cor. position. Due to the gross deviation from the official record bearing, this cor. is accepted to delineate the line between secs. 21 and 28 only, and is not to be utilized to control the restoration of any other cors. of the original survey.</p> <p>At the cor. point, set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T 13 N R 4 W S 21 1/4 ——— S 28</p> <p style="text-align: center;">2014</p> <p>Deposit a magnet, in a white plastic case, at the base of, and the reinforcement bar, 16 ins. Long, inside of the stainless steel post.</p> <p>Cor. is located 3 1/2 lks. S. of cor. of fences extending N., S. 85° E., and N. 85° W.</p> <hr/> <p>N. 85°12' E., bet. secs. 21 and 28.</p>
0.95	Point for the cor. of Lots 4 and 5, sec. 28.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 N., R. 4 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Drive an alum. rod, 28 ins. long, 3/4 ins. diam., 26 ins. in the ground, with alum. cap mkd.</p> <p style="text-align: center;">WP T 13 N R 4 W S 21 <hr/>S 28 2014</p> <p>From this point, an iron reinforcement bar, 1/2 in. diam., firmly set, projecting 2 ins. above ground, with a plastic cap mkd. FAMAS RLS 27738, bears N. 0°20' W., 650.0 ft. dist. This cor. was established by Dale Famas, Arizona Registered Land Surveyor number 27738, as recorded Bk. 155 of Land Surveys, Pg. 19, Yavapai County Recorder's Office.</p>
3.34	<p>From this point, a well casing 8 ins. diam. with pump, in a wood enclosure 4 X 10 ft., bears N., 6 ft. dist.</p>
5.00	<p>Point for the cor. of Lots 3 and 4, sec. 28.</p> <p>Drive an alum. rod, 36 ins. long, 3/4 ins. diam., 32 ins. in the ground, with alum. cap mkd.</p> <p style="text-align: center;">WP T 13 N R 4 W S 21 <hr/>S 28 2014</p> <p>From this point, an iron reinforcement bar, 1/2 in. diam., firmly set, projecting 3 ins. above ground, with a plastic cap mkd. FAMAS RLS 27738, bears N. 0°21' W., 607.2 ft. dist. This cor. was established by Dale Famas, Arizona Registered Land Surveyor number 27738, as recorded Bk. 155 of Land Surveys, Pg. 19, Yavapai County Recorder's Office.</p>
20.00	<p>Point for the cor. of Lots 2 and 3, sec. 28.</p> <p>Drive an alum. rod, 36 ins. long, 3/4 ins. diam., 34 ins. in the ground, with alum. cap mkd.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 N., R. 4 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">WP T 13 N R 4 W S 21 ----- S 28 2014</p>
40.10	<p>From this point, an iron reinforcement bar, 1/2 in. diam., firmly set flush with ground, with a plastic cap mkd. RLS 17461 843-3015, bears N. 0°25' W., 118.8 ft. dist. This cor. was established by Mario A. Rochin, Arizona Registered Land Surveyor number 17461, as recorded in Bk. 124 of Land Surveys, Pg. 55, Yavapai County Recorder's Office.</p> <p>The cor. of secs. 21, 22, 27 and 28, monumented with an iron reinforcement bar, 3/4 in. diam., firmly set, projecting 4 ins. above ground, with an alum. cap mkd. T13N R4W S21 S22 S28 S27 LS 13941 2003. This cor. was established by G. Michael Haywood, Arizona Registered Land Surveyor number 13941, as recorded Bk. 94 of Land Surveys, Pgs. 89 and 91, Yavapai County Recorder's Office. This monument is accepted as a careful restoration of the original cor. position.</p> <p>Cor. is located in a shallow sandy wash, 30 ft. wide, 2 ft. deep, drains N. 24° W.</p> <hr/> <p style="text-align: center;">Metes-and-Bounds Survey in Section 28, T. 13 N., R. 4 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the 1/4 sec. cor. of secs. 21 and 28, hereinbefore described.</p> <p>S. 85°44' E., across rolling land, bet. Lots 2 and 5, sec. 28, generally 2 ft. southerly of fence line, in sec. 28.</p>
0.95	<p>The cor. of Lots 2, 4 and 5, sec. 28, monumented with an iron reinforcement bar, 1/2 in. diam., firmly set flush with ground, with a plastic cap mkd. FAMAS RLS 27738.</p> <p>From this point, the cor. of Lots 4 and 5, on the line bet. secs. 21 and 28, bears N. 0°20' W., 15 lks. dist., hereinbefore described.</p> <hr/> <p>S. 85°39' E., across rolling land, bet. Lots 2 and 4, sec. 28, generally 2 ft. southerly of fence line, in sec. 28.</p>
4.05	<p>The cor. of Lots 2, 3 and 4, sec. 28, monumented with an iron reinforcement bar, 1/2 in. diam., firmly set, projecting 2 ins. above the ground, with a plastic cap mkd. FAMAS RLS 27738.</p>

**Metes-and-Bounds Survey in Section 28,
T. 13 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>From this point, the cor. of Lots 3 and 4, sec. 28, on the line bet. secs. 21 and 28, bears N. 0°21' W., 80 lks. dist., hereinbefore described.</p> <hr style="width: 20%; margin: auto;"/>
	<p>S. 85°38' E., across rolling land, bet. Lots 2 and 3, sec. 28, generally 2 ft. southerly of fence line, in sec. 28.</p>
15.00	<p>The cor. of Lots 2 and 3, sec. 28, monumented with an iron reinforcement bar, 1/2 in. diam., firmly set, projecting 5 ins. above ground, with a brass tag mkd. LS 5362.</p> <hr style="width: 20%; margin: auto;"/>
	<p>N. 0°25' W., across rolling land, bet. Lots 2 and 3, sec. 28, along a fence line, in sec. 28.</p>
3.20	<p>The cor. of Lots 2 and 3, on the line bet. secs. 21 and 28, hereinbefore described.</p> <hr style="width: 20%; margin: auto;"/>
	<p>GENERAL DESCRIPTION</p> <hr style="width: 20%; margin: auto;"/>
	<p>This survey is located off of Old Iron Springs Road, about 2 miles northerly of the community of Kirkland, and 3 1/2 miles southerly of the community of Skull Valley. Access is provided by multiple unpaved roads and a rural subdivision off of Old Iron Springs Road.</p>
	<p>Elevation of the project ranges between 4175 and 4380 ft. The vegetation is representative of the Interior Chaparral biotic community. There is development in the SW of section 21, with the rest of the project area devoted to ranch activity.</p>
	<p>The mean magnetic declination of 11° E. was derived from the National Geophysical Data Center's magnetic field calculator, utilizing the World Magnetic Model for Epoch 2010 for the dates of survey.</p> <hr style="width: 20%; margin: auto;"/>

CERTIFICATE OF SURVEY

I, Geoffrey A. Graham, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 25th day of September, 2014, I have dependently resurveyed a portion of the subdivisional lines, and performed a metes-and-bounds survey in section 28, T. 13 N., R. 4 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 Surveying Instructions for the Survey of the Public Lands of the United States, 2009, and in specific manner described in the foregoing field notes.

2/10/2015
(Date)

Geoffrey A. Graham
(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, and a metes-and-bounds survey in section 28, T. 13 N., R. 4 W., Gila and Salt River Meridian, in the State of Arizona, executed by Geoffrey A. Graham, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

2/20/2015
(Date)

[Signature]
(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 N., R. 4 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____~~
~~(Date)~~

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