

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY
OF A PORTION OF
THE SUBDIVISIONAL LINES
AND LOT 37 (GENERAL NUMBER 215)

TOWNSHIP 34 NORTH, RANGE 14 WEST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Geoffrey A. Graham, Cadastral Surveyor

Under Special Instructions dated July 25, 2008, approved July 25, 2008, which provided for the surveys included under Group No. 1051, and assignment instructions dated July 25, 2008.

Survey commenced August 19, 2008

Survey completed August 21, 2008

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TOWNSHIP 34 NORTH RANGE 14 WEST
GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 34 N., R. 14 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, and Lot 37 (General Number 215), Township 34 North, Range 14 West, Gila and Salt River Meridian, Arizona.

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

In 1881 John M. Macfarlane surveyed the Adams Lode mining claim, designating it Lot 37, later this same survey was assigned General Number 215. In 1940 Horace M. Muscott subdivided the township and retraced Lot 37 (General Number 215).

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 July 25, 2008, for Group No. 1051, 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. 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) DJ3669 NVCA CARLTON SQUARE 2, DI1079 NVLM AMS WT FACILITY, and AM7015 KING KINGMAN. The NAD 83 (CORS96)(EPOCH 2002.0000), geographic position of the corner of sections 21, 22, 27 and 28, is as follows:

Latitude: 36°19'29.88" N. Longitude: 113°47'26.28" W.

The mean magnetic declination is 12 1/4° E.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 34 N., R. 14 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p style="text-align: center;">Restoring the survey executed by Horace M. Muscott, in 1940</p> <hr style="width: 20%; margin: auto;"/>
	<p>Beginning at the cor. of secs. 21, 22, 27 and 28, monumented with a galvanized iron post, 2 ins. diam., firmly set, projecting 3 ins. above a mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd. T34N R14W S21 S22 S28 S27 1940.</p>
	<p>from which</p>
	<p style="padding-left: 40px;">The charcoal remains of a burned juniper stump, of indeterminate diam., bears N. 71° E., 1.94 chs. dist.</p>
	<p style="padding-left: 40px;">A standing burned juniper, 12 ins. diam., bears S. 41° E., 95 lks. dist., with scribe marks 7 BT visible on badly burned blaze.</p>
	<p style="padding-left: 40px;">The remains of a juniper stump, approximately 12 ins. diam., bears S. 46 1/2° W., 1.27 chs. dist., located in the southern track of track road, 10 ft. wide, bears S. 50° E. and N. 55° W.</p>
	<p style="padding-left: 40px;">The charcoal remains of a burned juniper stump, of indeterminate diam., bears N. 46 3/4° W., 89 lks. dist.</p>
	<p>Add the marks 2008 to the brass cap.</p>
	<p>N. 0°03' W., on line bet. secs. 21 and 22.</p>
15.11	<p>Intersect line 3-4, the SE side line of Lot 37, not monumented. From this point, cor. 3, Lot 37, bears N. 69°45' E., 17.26 chs. dist., and cor. 4, Lot 37, bears S. 69°45' W., 5.47 chs. dist.</p>
24.79	<p>Intersect line 6-1, the NW side line of Lot 37, not monumented. From this point, cor. 1, Lot 37, bears N. 69°43' E., 13.89 chs. dist., and cor. 6, Lot 37, bears S. 69°43' W., 8.83 chs. dist.</p>
40.02	<p>The 1/4 sec. cor. of secs. 21 and 22, monumented with a galvanized iron post, 1 in. diam., firmly set, projecting 8 ins. above a mound of stone, 4 ft. base, 2 ft. high, with brass cap mkd. 1/4 S21 S22 1940.</p>
	<p>from which</p>
	<p style="padding-left: 40px;">The remains of a juniper stump, 5 ins. diam., bears N. 33 1/2° E., 92 lks. dist.</p>
	<p style="padding-left: 40px;">The remains of a juniper stump, 10 ins. diam., 2 ft. high, bears S. 9 1/2° W., 83 lks. dist., with no marks visible on a badly burned blaze.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 34 N., R. 14 W., Gila and Salt River Meridian, Arizona**

CHAINS

Add the marks T34N R14W 2008 to the brass cap.

**Remonumentation of United States Mineral Monument Number 1,
T. 34 N., R. 14 W., Gila and Salt River Meridian, Arizona**

The U.S. Mineral Monument No. 1, monumented with the base of a desiccated pine wood post, 3 X 5 X 34 ins., firmly set, projecting 8 ins. above a supporting mound of stone, 6 ft. base, 3 1/2 ft. high, with a 12 ins. long fragment and a 36 ins. long fragment mkd. U MM laying loose alongside.

At the corner point

Set an alum. post, 30 ins. long, 2 1/2 ins. diam., flush in the supporting mound of stone, with alum. cap mkd.

U.S.M.M. NO. 1

2008

from which

The burned trunk of a piñon pine, 6 ins. diam., found at approximate record bearing (N. 75°00' E.) and dist., (2.83 chs.) with scribe marks USMMNO1BT with a chaining notch visible on partially burned blaze, with no discernable stump hole.

The rotted trunk of a piñon pine, 13 ins. diam., found at approximate record bearing (S. 51° W.) and dist. (2.62 chs.), with no visible marks on a rotted blaze, with no discernable stump hole.

A burned juniper stump, 12 ins. diam., bears N. 70° W., 48 lks. dist.

Deposit a magnet, in a white plastic case, at the base of the alum. post.

Place the remains of the wood post on top of the mound of stone, alongside of the alum. post.

**Dependent Resurvey of Lot 37 (General Number 215),
T. 34 N., R. 14 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>From cor. No. 1, Lot 37, perpetuated by Jeffery S. Carlton, Arizona R.L.S. No. 19319, in 1997, according to plat filed at the Mohave County Courthouse, Book 15, Page 56, monumented with an alum. cap, 3 ins. diam., firmly set flush in concrete, in a supporting mound of stone, 6 ft. base, 1 ft. high, mkd. RLS 19319 COR. NO. 1 U.S. 37 1997. This is accepted as a faithful perpetuation of the orig. cor. position.</p> <p>from which</p> <p style="padding-left: 40px;">The charcoal remains of a burned juniper stump, of indeterminate diam., bears N. 69 1/2° E., 95 lks. dist.</p> <p style="padding-left: 40px;">The charcoal remains of a burned juniper stump, of indeterminate diam., bears S. 52 1/2° W., 51 lks. dist.</p> <p>From this cor. point, U.S. Mineral Monument No. 1, bears S. 39°51' E., 22.89 chs. dist. (Record: S. 39°00' E., 22.90 chs.)</p> <p>S. 20°27' E., on line 1-3, the NE end line of Lot 37.</p>
4.55	Point for cor. No. 2, Lot 37, mound of stone, 3 ft. base, 1 ft. high, position not monumented.
9.09	<p>Cor. No. 3, Lot 37, perpetuated by Jeffery S. Carlton, Arizona R.L.S. No. 19319, in 1997, according to plat filed at the Mohave County Courthouse, Book 15, Page 56, monumented with an alum. cap, 3 ins. diam., firmly set flush in concrete, in a supporting mound of stone, 3 ft. base, 1 ft. high, mkd. RLS 19319 COR. NO. 3 U.S. 37 1997. This is accepted as a faithful perpetuation of the orig. cor. position.</p> <p>from which</p> <p style="padding-left: 40px;">The charcoal remains of a burned juniper stump, of indeterminate diam., bears S. 10 1/2° E., 25 lks. dist.</p> <p style="padding-left: 40px;">The charcoal remains of a burned juniper stump, of indeterminate diam., bears N. 42 1/2° W., 21 lks. dist.</p> <hr style="width: 50%; margin-left: 0;"/> <p>S. 69°45' W., on line 3-4, the SE side line of Lot 37.</p>
14.80	Track road, the main access to this survey, 10 ft. wide, bears N. 45° E. and S. 45° W.
17.26	Intersect sec. line bet. secs. 21 and 22, not monumented.
18.55	Track road, 10 ft. wide, bears S. 80° E. and N. 80° W.

**Dependent Resurvey of Lot 37 (General Number 215),
T. 34 N., R. 14 W., Gila and Salt River Meridian, Arizona**

CHAINS	
19.26	SE cor. of smelting furnace, with tiered sandstone exterior, first tier with base 14 X 14 ft., 6 ft. high, second tier with base 10 X 10 ft., 8 ft. high, third tier, a chimney of exposed and eroding adobe, with base 8 X 8 ft., tapering to 6 X 6 ft., 18 ft. high. There is a sandstone bridge 5 X 14 ft. on the NW side of the furnace providing access to the second tier.
19.47	Point on SW alignment of same smelting furnace, 4 lks., N. 30°15' W., of SW cor. of furnace.
22.73	Cor. No. 4, Lot 37, perpetuated by Jeffery S. Carlton, Arizona R.L.S. No. 19319, in 1997, according to plat filed at the Mohave County Courthouse, Book 15, Page 56, monumented with an alum. cap, 3 ins. diam., firmly set flush in concrete, in a supporting mound of stone, 5 ft. base, 1 1/2 ft. high, mkd. RLS 19319 COR. NO. 4 U.S. 37 1997. This is accepted as a faithful perpetuation of the orig. cor. position. from which A juniper, 14 ins. diam., bears N. 54° W., 81 lks. dist., with marks No = 4 US 37 BT and with a chaining notch visible on partially healed blaze. (Record: N. 52° W.) <hr style="width: 50%; margin-left: auto; margin-right: auto;"/>
	N. 20°24' W., on line 4-6, the SW end line of Lot 37.
4.54	Point for cor. No. 5, Lot 37. No evidence of original cor., not monumented.
9.08	Cor. No. 6, Lot 37, remonumented by Jeffery S. Carlton, Arizona R.L.S. No. 19319, in 1997, according to plat filed at the Mohave County Courthouse, Book 15, Page 56, monumented with an alum. cap, 3 ins. diam., firmly set flush in concrete, in a collar stone, mkd. RLS 19319 COR. NO. 6 U.S. 37 1997. This is accepted as a faithful perpetuation of the orig. cor. position. from which The charcoal remains of a burned juniper stump, of indeterminate diam., bears N. 38 1/4° E., 1.37 chs. dist. A juniper, 13 ins. diam., bears N. 70° W., 1.41 chs. dist., with marks 6 US 37 BT and with a chaining notch, visible on partially open blaze. (Record: 1.44 chs.) <hr style="width: 50%; margin-left: auto; margin-right: auto;"/>
	N. 69°43' E., on line 6-1, the NW side line of Lot 37.
0.17	Track road, 10 ft. wide, bears S. 15° E. and N. 15° W.
8.83	Intersect line bet. secs. 21 and 22, not monumented.

**Dependent Resurvey of Lot 37 (General Number 215),
T. 34 N., R. 14 W., Gila and Salt River Meridian, Arizona**

CHAINS	
17.15	Track road, 10 ft. wide, bears E. and W.
21.75	Track road, the main access to this survey, 10 ft. wide, bears N. 45° E. and S. 45° W.
22.72	Cor. No. 1, Lot 37.
<hr/> GENERAL DESCRIPTION <hr/>	
<p>This survey is located about 170 miles S. 15° W., as the crow flies, from St. George Utah. Access is provided by a network of gravel and track roads that take a more circuitous route due to the terrain.</p> <p>The survey site is located on the Grand Wash Bench, which is surprisingly level for the area. The elevation of the project ranged from 4380 to 4520 feet above sea level, with the high point being the U.S. Mineral Monument.</p> <p>The mining activity in the area was significant at one time as evidenced by the structural remains. The smelter furnace has 92% of its footprint within Lot 37.</p> <p>Vegetation would have been typical of the Mohave Desertscrub, but recent fires have decimated the cover. As the cover and forage are in the early stages of re-growth, very few animals were observed.</p> <p>The mean magnetic declination of 12 1/4° 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.</p> <hr/>	

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 July, 2008, I have dependently resurveyed a portion of the subdivisional lines and Lot 37 (General Number 215), T. 34 N., R. 14 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, 1973, and in specific manner described in the foregoing field notes.

2/2/09
(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 Lot 37 (General Number 215), T. 34 N., R. 14 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.

5/27/2009
(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. 34 N., R. 14 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~