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 9 SOUTH, RANGE 19 WEST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Geoffrey A. Graham, Cadastral Surveyor

Under Special Instructions dated March 2, 2006, approved March 2, 2006, which provided for the surveys included under Group No. 991, and assignment instructions dated March 2, 2006.

Survey commenced April 8, 2006

Survey completed June 2, 2006

INDEX DIAGRAM

TOWNSHIP 9 SOUTH RANGE 19 WEST GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 9 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, Township 9 South, Range 19 West, Gila and Salt River Meridian, Arizona.

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

In 1910-11, John F. Hesse retraced the east boundary, surveyed the west boundary and the subdivisional lines.

The survey was executed in accordance with the specifications as set forth in the $\underline{\text{Manual of Instructions for the Survey of the}}$ $\underline{\text{Public Lands of the United States, 1973}}$, and the Special Instructions dated March 2, 2006, for Group Number 991, Arizona.

The true meridian direction and length of all lines were determined by 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) JACUMBAAP_CS2004 CORS ARP, MCDOT BUCKEYE CORS ARP and BLYTHE PGGA STA CORS ARP. The NAD 83 (CORS96) (EPOCH:2002), geographic position of the corner of sections 19, 24, 25 and 30 on the east boundary of the township, is as follows:

Latitude: 32°37'11.33" N. Longitude: 114°09'32.23" W.

The mean magnetic declination is 12° E.

CHAINS

Restoring the survey executed by John F. Hesse, in 1910-11

Beginning at the point accepted for the cor. of secs. 19, 24, 25 and 30 on the E. bdy. of the Tp., occupied with a brass tablet, 3 ins. diam., firmly set in concrete, 17 ins. below asphalt surface, in a monument well, mkd. T9S R19W R18W S24 S19 S25 S30 LS 15767 1995. This cor. was established by Robert J. Robinson, Arizona Registered Land Surveyor No. 15767, in an unrecorded survey, and is accepted as a careful and faithful determination of the cor. position as it is harmoniously related to a local subdivision created by Thomas A. Yowell, Arizona Registered Land Surveyor No. 6022, as recorded in Book 5 of Subdivision Maps, Page 70, Yuma County Recorder's Office.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 28 ins. in the ground in a subterranean supporting mound of stone, 1 1/2 ft. base, 28 ins. deep, for a reference monument, bears S. 47°58' E., 47.7 ft. dist. with brass cap mkd. RM T9S R18W S30 47.7 FT TO COR 2006 and an arrow pointing to the cor.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

Stainless steel post is located in a drainage ditch, 10 ft. wide, 3 ft. deep, drains E., 15 lks. E. of dirt road, 10 ft. wide, bears S.

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 22 ins. in the ground, in a mound of stone, 2 ft. base, to top, for a reference monument, bears S. 45°06' W., 46.9 ft. dist. with brass cap mkd. RM T9S R19W S25 46.9 FT TO COR 2006 and an arrow pointing to the cor.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

Stainless steel post is located on S. side of road berm bearing E. and W., 15 lks. S. 47° W., from power pole with lines extending N. and S.

CHAINS

Cor. is located at the intersection of County Street 14 S., 30 ft. wide, bears E. and W., and Avenue 28 E., unpaved, 27 ft. wide, extends N., 6 lks. N. of S. edge of pavement of County Street 14 S., and 30 lks. W. of an unpaved road, 10 ft. wide, extends S.

N. 89°57' W., bet. secs. 24 and 25.

0.40 A power line, bears N. and S.

Point for the 1/4 sec. cor. of secs. 24 and 25, at proportionate dist., there is no remaining evidence of the orig. cor.

Set a railroad spike, flush with asphalt surface, with a + filed on top.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 25 ins. in the ground, for a reference monument, bears S. 49°40' E., 51.0 ft. dist. with brass cap mkd. RM T9S R19W 1/4 S25 51.0 FT TO COR 2006 and an arrow pointing to the cor.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 23 ins. in the ground, in a collar of stone, for a reference monument, bears S. 45°20' W., 46.9 ft. dist. with brass cap mkd. RM T9S R19W 1/4 S25 46.9 FT TO COR 2006 and an arrow pointing to the cor.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

Cor. is located 6 1/2 lks. N. of S. edge of County Street 14 S., 30 ft. wide, bears E. and W.

From this cor. point, a PK nail, set flush in asphalt surface, with shiner mkd. LS 16810, bears S. 17°05' E., 6 lks. dist. This point was established by Timothy V. Eisenmann, Arizona Registered Land Surveyor No. 16810, by methods unknown in an unrecorded survey, and is not utilized in this survey.

CHAINS

79.37

The cor. of secs. 23, 24, 25 and 26, monumented with an iron post, 2 ins. diam., firmly set, 30 ins. below asphalt surface, in a monument well, with the remains of brass cap mkd. R19W S24 S25.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground in a subterranean supporting mound of stone, 2 ft. base, 2 ft. deep, for a reference monument, bears S. 49°56' E., 51.3 ft. dist. with brass cap mkd. RM T9S R19W S25 51.3 FT TO COR 2006 and an arrow pointing to the cor.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 27 ins. in the ground, in a collar of stone, for a reference monument, bears S. 44°44' W., 46.4 ft. dist. with brass cap mkd. RM T9S R19W S26 46.4 FT TO COR 2006 and an arrow pointing to the cor.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

Cor. is located at intersection of County Street 14 S., 30 ft. wide, bears E. and W., and unpaved Avenue 27 E., 36 ft. wide, extending N.; 11 lks. N. of S. edge of pavement.

From the 1/4 sec. cor. of secs. 26 and 27, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above, and broken off 12 ins. below the ground, with brass cap mkd. S27 1/4 S26 1910.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.

T 9 S R 19 W 1/4 S 27 | S 26

CHAINS

Deposit a magnet in a white plastic case at the base, and the 20 ins. long remains of the iron post inside of the stainless steel post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

North, bet. secs. 26 and 27.

40.10

Point for the cor. of secs. 22, 23, 26 and 27, at proportionate dist., there is no remaining evidence of the orig. cor.

Set a railroad spike, 5 ins. below grade, with a + filed on top.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 20 ins. in the ground in a collar of stone, for a reference monument, bears S. 45°02' E., 46.8 ft. dist. with brass cap mkd. RM T9S R19W S26 46.8 FT TO COR 2006 and an arrow pointing to the cor.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 20 ins. in the ground, in a collar of stone, for a reference monument, bears S. 47°46' W., 49.0 ft. dist. with brass cap mkd. RM T9S R19W S27 49.0 FT TO COR 2006 and an arrow pointing to the cor.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

Cor. is located 4 1/2 lks. N. of S. edge of County Street 14 S., unpaved, 24 ft. wide, bears E. and W.

From the cor. of secs. 23, 24, 25 and 26.

N. 89°57' W., bet. secs. 23 and 26.

40.06

The 1/4 sec. cor. of secs. 23 and 26, monumented with the rusted remains and concrete fill of an iron post, 1 in. diam., firmly set, 23 ins. below grade.

At the corner point

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Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 36 ins. in the ground, with brass cap mkd.

T 9 S R 19 W S 23 1/4 —— S 26

2006

Deposit a magnet in a white plastic case at the base, and the 9 ins. long rusted remains and concrete fill inside of the stainless steel post.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 21 ins. in the ground, in a collar of stone, for a reference monument, bears S. 46°44' E., 48.2 ft. dist. with brass cap mkd. RM T9S R19W 1/4 S26 48.2 FT TO COR 2006 and an arrow pointing to the cor.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 23 ins. in the ground, in a collar of stone, for a reference monument, bears S. 32°40' W., 39.1 ft. dist. with brass cap mkd. RM T9S R19W 1/4 S26 39.1 FT TO COR 2006 and an arrow pointing to the cor.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

Cor. is located on the S. edge of County Street 14 S., unpaved, 24 ft. wide, bears E. and W.

N. 89°53' W., beginning new measurement.

40.09

The cor. of secs. 22, 23, 26 and 27.

N. $0^{\circ}08'$ E., bet. secs. 22 and 23.

CHAINS 40.10

Point for the 1/4 sec. cor. of secs. 22 and 23, at proportionate dist., there is no remaining evidence of the orig. cor.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, in a collar of stone, with brass cap mkd.

T 9 S R 19 W 1/4 S 22 | S 23

2006

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Attach a Bureau of Land Management, standard sign, S-201, to an adjacent fence, bears N. and S.

Cor. is located 3 1/2 lks. E. of a fence, bears N. and S., and 19 lks. northeasterly of cor. of fences extending N., E. and S.

80.20

The cor. of secs. 14, 15, 22 and 23, monumented with an iron post, 2 ins. diam., firmly set, projecting 15 ins. above the ground, with brass cap mkd. T9S R19W S15 S14 S22 S23 1910.

Add the marks 2006 to the brass cap.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

From the 1/4 sec. cor. of secs. 27 and 28, monumented with an iron post, 1 in. diam., firmly set, projecting 14 ins. above and broken off 16 ins. below the ground, with brass cap mkd. S28 1/4 S27 1910.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a subterranean supporting mound of stone, 1 1/2 ft. base, 2 ft. deep, with brass cap mkd.

T 9 S R 19 W 1/4 S 28 | S 27

2006

Deposit a magnet in a white plastic case at the base, and the 30 ins. long iron post alongside of the stainless steel post.

N. $0^{\circ}08'$ W., bet. secs. 27 and 28.

CHAINS

40.13 Point for the cor. of secs. 21, 22, 27 and 28, at proportionate dist., there is no remaining evidence of the orig. cor.

Set a railroad spike, 6 ins. below grade, with a + filed on top.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 22 ins. in the ground, in a collar of stone, for a reference monument, bears S. 0°08' E., 33.0 ft. dist. with brass cap mkd. RM T9S R19W S28 S27 33.0 FT TO COR 2006 and an arrow pointing to the cor.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 25 ins. in the ground, in a collar of stone, for a reference monument, bears N. 84°54' W., 33.0 ft. dist. with brass cap mkd. RM T9S R19W S21 S28 33.0 FT TO COR 2006 and an arrow pointing to the cor.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

From the cor. of secs. 22, 23, 26 and 27.

N. 89°53' W., bet. secs. 22 and 27.

40.11 Point for the 1/4 sec. cor. of secs. 22 and 27, at proportionate dist., there is no remaining evidence of the orig. cor.

Set a railroad spike, flush with grade, with a + filed on top.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 23 ins. in the ground, in a collar of stone, for a reference monument, bears S. 66°59' E., 84.6 ft. dist. with brass cap mkd. RM T9S R19W 1/4 S27 84.6 FT TO COR 2006 and an arrow pointing to the cor.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

CHAINS

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 22 ins. in the ground, in a collar of stone, for a reference monument, bears S. 43°26' W., 45.4 ft. dist. with brass cap mkd. RM T9S R19W 1/4 S27 45.4 FT TO COR 2006 and an arrow pointing to the cor.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

Cor. is located 6 lks. N. of S. edge of County Street 14 S., unpaved, 24 ft. wide, bears E. and W.

80.22

The cor. of secs. 21, 22, 27 and 28.

N. 0°04' E., bet. secs. 21 and 22.

40.13

The 1/4 sec. cor. of secs. 21 and 22, monumented with the rusted remains of an iron post, 1 in. diam., firmly set, 10 ins. below ground, in a monument well, with detached brass cap mkd. S21 1/4 S22 1910.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 30 ins. in the ground, in the monument well, with brass cap mkd.

T 9 S R 19 W 1/4 S 21 | S 22

2006

Deposit a magnet in a white plastic case at the base, and the remains both inside and alongside of the stainless steel post.

Cor. is located 2 1/2 lks. W. of a fence, bears N. and S., at edge of road for irrigated field.

From this cor. point, a rebar, 1/2 in. diam., firmly set, projecting 2 ins. above a concrete collar, 6 ins. diam., with aluminum cap mkd. YCHD RP 33.00 with an arrow pointing to the cor., bears S. $89^{\circ}44^{\circ}$ E., 50 lks. dist.

From the cor. of secs. 21, 22, 27 and 28.

	T. 9 S., R. 19 W., Gila and Salt River Meridian, Arizona
CHAINS	
	N. 89°54' W., bet. secs. 21 and 28.
40.09	Point for the 1/4 sec. cor. of secs. 21 and 28, at proportionate dist., there is no remaining evidence of the orig. cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., flush with the ground, underpinned with a steel fence post, 6 ft. long, in a subterranean supporting mound of stone, 3 1/2 ft. base, 28 ins. deep, with brass cap mkd.
	T 9 S R 19 W S 21 1/4 —— S 28
	2006
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.
	Cor. is located 24 lks. S. of unpaved road, 20 ft. wide, bears E. and W., and 12 lks. W. of right bank of braided wash, 40 ft. wide, drains N. 10° W., from S. 40° W.
	From this cor. point, a rebar, 1/2 in. diam., firmly set, projecting 2 ins. above the ground, bears N. 5°29' W., 70 lks. dist. This point established by persons unknown by methods unknown and is not utilized in this survey.
60.16	From this point, a rebar, 1/2 in. diam., firmly set, flush with grade, with yellow plastic cap, mkd. LS 39326, bears N., 3 lks. dist. This point was established by Michael E. Jones, Arizona Registered Land Surveyor No. 39326, from control not utilized in the course of this survey.
80.18	The cor. of secs. 20, 21, 28 and 29, monumented with an iron post, 2 ins. diam., firmly set, projecting 6 ins. above the grade, with brass cap mkd. T9S R19W S20 S21 S29 S28 1911.
	At the corner point
	Reset iron post, 36 ins. long, 8 ins. below grade, in a subterranean supporting mound of stone, 3 ft. base, 3 ft. deep.
	Add the marks 2006 to the brass cap.
	Deposit a magnet in a white plastic case at the base of the iron post.

CHAINS

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

Cor. is located at the intersection of dirt roads, extending N., E. and W., all are 20 ft. wide.

N. 89°52' W., bet. secs. 20 and 29.

40.13

The 1/4 sec. cor. of secs. 20 and 29, monumented with an iron post, 1 in. diam., firmly set, projecting 17 ins. above the ground, with brass cap mkd. S20 1/4 S29 1911, with the remains of a mound of earth, N. of the cor.

At the corner point

Reset the iron post, 36 ins. long, 30 ins. in the ground, in a collar of stone.

Add the marks T9S R19W 2006 to the brass cap.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

N. 89°51' W., beginning new measurement.

40.14

The cor. of secs. 19, 20, 29 and 30, monumented with an iron post, 2 ins. diam., firmly set, projecting 14 ins. above the ground, with brass cap mkd. T9S R19W S19 S20 S30 S29, with an accessory mound of stone, 2 ft. base, 1 ft. high, NW of the cor.

Add the marks 2006 to the brass cap.

Incorporate accessory mound of stone into a supporting mound of stone, 3 ft. base, 1 ft. high, around iron post.

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

N. 89°54' W., bet. secs. 19 and 30.

40.14

The 1/4 sec. cor. of secs. 19 and 30, monumented with an iron post, 1 in. diam., firmly set, projecting 14 ins. above the ground, in a collar of stone, with brass cap mkd. S19 1/4 S30 1911, with an accessory mound of stone, 2 ft. base, 1 ft. high, N. of the cor.

Add the marks T9S R19W 2006 to the brass cap.

Incorporate the accessory mound of stone into a supporting mound of stone, 3 ft. base, 1 ft. high, around iron post.

CHAINS

Set a steel sign post, with attached, Bureau of Land Management, standard sign, S-201, nearby.

S. 89°55' W., beginning new measurement.

39.99

The cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the Tp., monumented with an iron post, 3 ins. diam., firmly set flush in a supporting mound of stone, 2 ft. base, 14 ins. high, with brass cap mkd. T9S R20W R19W S24 S19 S25 S30 1910 2006, with an accessory mound of stone, 3 ft. base, 1 1/2 ft. high, W. of the cor. A steel sign post, with attached, Bureau of Land Management, standard sign, S-201, is set nearby.

GENERAL DESCRIPTION

The purpose of this survey was to identify the boundary of that portion of the Barry M. Goldwater Military Reservation, managed by the Marine Corps. This survey is located 3 miles S. of the community of Welton. The E. half of this survey follows the eastern extension of Yuma County Street 14 S. The W. half is accessed by a series of track roads and hiking.

Elevations for the area range between 380 and 410 ft. above sea level, with terrain consisting of gently rolling soft sand with scant vegetation. What vegetation present was primarily creosote, and other plants typical of the lower Sonoran Desert.

The mean magnetic declination of 12° 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 survey.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

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R. Edward Patton, Jr.	Land Surveyor
Leon F. Strohman	Surveying Technician
Ronald W. Windes	Surveying Technician
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CERTIFICATE OF SURVEY

I, Geoffrey A. Graham, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 2nd day of March, 2006, I have dependently resurveyed a portion of the subdivisional lines, T. 9 S., R. 19 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.

8/10/2007	Medly A. Ill
/ (Date)	//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. 9 S., R. 19 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.

August 22, 2007 (Date) 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. 9 S., R. 19 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.
(Date) (Chief Cadastral Surveyor of Arizona)