Book 5935

ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

SURVEY OF A PORTION

OF THE

SOUTH BOUNDARY

TOWNSHIP 10 SOUTH, RANGE 3 WEST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Geoffrey A. Graham, Cadastral Surveyor

Under Special Instructions dated January 24, 2011, approved January 24, 2011, which provided for the surveys included under Group No. 1091, and assignment instructions dated January 24, 2011.

Survey commenced February 1, 2011

Survey completed February 1, 2011

INDEX DIAGRAM

TOWNSHIP 10 SOUTH RANGE 3 WEST
GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 10 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the survey of a portion of the south boundary, Township 10 South, Range 3 West, Gila and Salt River Meridian, Arizona.

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

William H. Thorn surveyed a portion of the subdivisional lines in order to delineate the boundary of the Papago Indian Reservation in 1924. Francis E. Joy perpetuated the corner of sections 3, 4, 33 and 34 on the south boundary of the township in 1933. Ty White and Raymond F. Moss established the southeast corner of Township 10 South, Range 4 West in 1939. Benjamin J. Kinsey surveyed the east boundary of Township 11 South, Range 4 West, in 1942, remarking the corner established by White and Moss to be common to Townships 10 and 11 South, Ranges 3 and 4 West.

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, 2009, and the Special Instructions dated January 24, 2011, for Group Number 1091, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic and static global positioning system observations using Trimble Navigation R7 and R8 model receivers.

Geodetic control was derived from U. S. Geological Survey triangulation stations STOVAL RM5, E 469 and 3OU3, as published by the National Geodetic Survey, NAD 83 (1992). The geographic position of the corner of sections 3, 4, 33 and 34 on the south boundary of the township, is as follows:

Latitude: 32°30'18.809" N. Longitude: 112°34'27.266" W.

The southwest corner of the township is as follows:

Latitude: 32°30'19.277" N. Longitude: 112°37'30.734" W

The mean magnetic declination is 11° E.

Survey of a Portion of the South Boundary,
T. 10 S., R. 3 W., Gila and Salt River Meridian, Arizona

Beginning at the cor. of secs. 3, 4, 33 and 34, perpetuated by Francis E. Joy in 1933, monumented with an iron post, 2 ins. diam., firmly set, projecting 3 ins. above a supporting mound of stone, 5 ft. base, 2 ft. high, with brass cap mkd. T10S R3W S33 S34 PIR S4 S3 T11S 1933. Set a Carsonite post mkd. Survey Marker Witness Post, Do Not Disturb, nearby.

Survey of a Portion of the South Boundary,
T. 10 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
	Cor. is located 1/2 lk. E. of a barbed wire fence, bears N. and S.
	Add the marks 2011 to the brass cap.
	N. 89°50' W., on the S. bdy. of the Tp., along the S. bdy. of the Barry M. Goldwater Air Force Range.
40.00	Point for the 1/4 sec. cor. of secs. 4 and 33.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, in a supporting mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd. T 10 S R 3 W S 33 1/4 —— S 4 T 11 S 2011
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a Carsonite post mkd. Survey Marker Witness Post, Do Not Disturb, nearby.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 4 ins. in the ground, in a supporting mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd. T 10 S R 3 W S 32 | S 33 S 5 | S 4 T 11 S 2011
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a Carsonite post mkd. Survey Marker Witness Post, Do Not Disturb, near.
	Land, mountainous, broken and rolling. Soil, rocky, 4th rate. Timber, none, scattered saguaro cacti. Undergrowth, greasewood, scrub palo verde, creosote and cacti.

Survey of a Portion of the South Boundary,
T. 10 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
	N. 89°50' W., on the S. bdy. of the Tp., along the S. bdy. of the Barry M. Goldwater Air Force Range.
40.00	Point for the 1/4 sec. cor. of secs. 5 and 32.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, in a supporting mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, with brass cap mkd. T 10 S R 3 W S 32 1/4 —— S 5 T 11 S 2011
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a Carsonite post mkd. Survey Marker Witness Post, Do Not Disturb, nearby.
80.00	Point for the cor. of sections 5, 6, 31 and 32.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 4 ins. in the ground, in a supporting mound of stone 3 ft. base, 1 1/2 ft. high, with brass cap mkd. T 10 S R 3 W S 31 | S 32 S 6 | S 5 T 11 S 2011
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a Carsonite post mkd. Survey Marker Witness Post, Do Not Disturb, near.
	Land, mountainous, broken and rolling. Soil, rocky, 4th rate. Timber, none, scattered saguaro cacti. Undergrowth, greasewood, scrub palo verde, creosote and cacti.
	N. 89°50' W., on the S. bdy. of the Tp., along the S. bdy. of the Barry M. Goldwater Air Force Range.
40.00	Point for the 1/4 sec. cor. of secs. 6 and 31.

Survey of a Portion of the South Boundary,
T. 10 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 5 ins. in the ground, in a supporting mound of stone, 4 ft. base, 1 1/2 ft. high, with brass cap mkd. T 10 S R 3 W S 31 1/4 —— S 6 T 11 S 2011 Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Set a Carsonite post mkd. Survey Marker Witness Post, Do Not Disturb, nearby. Cor. is located on left side of small dry wash, 4 ft. wide, 1 ft. deep, drains N. 25° E., from S. 25° W.
78.09	The cor. of Tps. 10 and 11 S., Rs. 3 and 4 W., monumented with an iron post, 3 ins. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd. T10S R4W R3W S36 S31 S1 S6 T11S 1942 1939. An accessory mound of stone, 3 ft. base, 2 ft. high, is S. of the cor. Add the marks 2011 to the brass cap. Set a Carsonite post mkd. Survey Marker Witness Post, Do Not Disturb, near. Land, mountainous, broken and rolling. Soil, rocky, 4th rate. Timber, none, scattered saguaro cacti. Undergrowth, greasewood, scrub palo verde, creosote and cacti.

T. 10 S., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

This original survey completes the southern boundary of the Barry M. Goldwater Air Force Range. The area is about 30 miles SSE of Gila Bend and 20 miles NE of Ajo. Access is from Highway 85, through Air Force Range No. 3. The area can also be accessed from Ajo, via BLM roads 8100 and 8102.

The terrain is mountainous and rocky, broken by many washes. The elevation ranges between 2400 to 2500 ft. above sea level. The flora and fauna are typical to the Sonoran Desert Scrub 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
Kevin T. Kenna	Merrick & Co. GPS Coordinator
Justin G. Abrahamson	Merrick & Co. Party Chief
Adam M. Pringle	Merrick & Co. Surveying Technician

CERTIFICATE OF SURVEY

I, Geoffrey A. Graham, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 24th day of January, 2011, I have surveyed a portion of the south boundary, T. 10 S., R. 3 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, 2009, and in specific manner described in the foregoing field notes.

2/28/2011 (Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the survey of a portion of the south boundary, T. 10 S., R. 3 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.

3/21/2011 (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. 10 S., R. 3 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

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