Book 5811

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 16 SOUTH, RANGE 8 EAST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Gordon R. Bubel, Cadastral Surveyor

Under Special Instructions dated January 13, 2006, approved January 13, 2006, which provided for the surveys included under Group No. 976, and assignment instructions dated January 13, 2006.

Survey commenced January 18, 2006

Survey completed March 22, 2006

INDEX DIAGRAM

TOWNSHIP 16 SOUTH RANGE 8 EAST

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T. 16 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, Township 16 South, Range 8 East, Gila and Salt River Meridian, Arizona.

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

John C. Smith surveyed the East boundary in 1884. George J. Roskruge surveyed a portion of the subdivisional lines in 1886. Guy R. Veal, Karl L. Siebecker and Charles E. Hunter, resurveyed a portion of the east boundary and surveyed, resurveyed and retraced portions of the subdivisional lines in 1920. Gordon R. Bubel resurveyed a portion of the east boundary under group number 977, Arizona in 2006.

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 January 13, 2006, for Group No. 976, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 5700 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 horizontal order A, U. S. Coast and Geodetic Survey triangulation station "KING 1936", as published by the National Geodetic Survey, NAD 83 (1992). The geographic position of the corner of sections 19, 24, 25 and 30, on the east boundary of the township is as follows:

Latitude: 32°00'37.48" N. Longitude: 111°28'43.20" W.

The mean magnetic declination is 11° E.

**Dependent resurvey of a Portion of the Subdivisional Lines,
T. 16 S., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	Restoring the resurvey and retracement executed by Guy R. Veal, Karl L. Siebecker and Charles E. Hunter, in 1920
	Beginning at the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 12 ins. above a supporting mound of stone, 3 ft. base, 1 ft. high., with brass cap mkd. T16S R8E R9E S24 S19 S25 S30 1920 2006.
	From this cor., U.S.C. & G.S. horizontal order "A", triangulation station "KING 1936," bears S. 72°55' E., (forward bearing), 516.41 chs. dist., monumented with a 3 1/2 ins. diam. brass disk, seated in a concrete monument, 12 ins. sq., projecting 7 ins. above ground, with top mkd. KING 1936 and a triangle.
	N. 89°43' W., bet. secs. 24 and 25.
	Ascending over foothills of the Coyote Mountains, identical with a portion of the N. bdy. of the Coyote Mountains Wilderness Area, in and along a barbed wire fence.
40.96	The 1/4 sec. cor. of secs. 24 and 25, monumented with a granite stone, 14 x 10 x 8 ins., firmly set, projecting 5 ins. above ground, in a mound of stone, 4 ft. base, 1 ft. high, mkd. 1/4 on N. face.
	from which the remains of the orig. bearing trees
	A mesquite stump, (Record: paloverde), 10 ins. diam., 8 ins. high, bears N. 62 1/4° E., 73 lks. dist., no marks visible. (Record: N. 61° E., 72 lks.)
	A stump hole 16 ins. diam., bears S. 6° E., 90 lks. dist., with a dead and down paloverde alongside, with a rotted out blaze.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 12 ins. in the ground to bedrock, in a supporting mound of stone, 5 ft. base, to top, with brass cap mkd.
	T 16 S R 8 E S 24 1/4 —— S 25 CMWA 2006

Dependent resurvey of a Portion of the Subdivisional Lines, T. 16 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Incorporate the mkd. stone within the supporting mound of stone. Cor. is located in barbed wire fence, bears E. and W.
	N. 88°10' W., beginning new measurement, along the Coyote Mountains Wilderness Area bdy.
40.68	The cor. of secs. 23, 24, 25 and 26, monumented with a granite stone, 18 x 12 x 6 ins., firmly set, projecting 4 ins. above ground, in a scattered mound of stone, mkd. with 1 groove on the E. face and 2 grooves on the S. face. At the corner point Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 16 ins. in the ground to bedrock, in a supporting mound of stone, 3 ft. base, to top, with brass cap mkd. T 16 S R 8 E S 23 | S 24 S 26 | S 25 CMWA 2006 Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Incorporate the mkd. stone within the supporting mound of stone. Cor. is located in barbed wire fence, bears N. 88° E. and S. 88° W.
	N. 0°53' E., bet. secs. 23 and 24. Descending over foothills of Coyote Mountains.
39.39	The 1/4 sec. cor. of secs. 23 and 24, monumented with a granite stone, 26 x 14 x 8 ins., firmly set, projecting 15 ins. above ground, mkd. 1/4 on W. face, with a scattered mound of stone to the W. At the corner point Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 12 ins. in the ground to bedrock, in a supporting mound of stone, 5 ft. base, to top, with brass cap mkd.

Dependent resurvey of a Portion of the Subdivisional Lines,
T. 16 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T 16 S R 8 E 1/4 S 23 | S 24 2006 Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Bury the original stone alongside the stainless steel post. Utilize the scattered mound of stone to build the supporting mound of stone. --- N. 0°31' W., beginning new measurement.
40.20	The cor. of secs. 13, 14, 23 and 24, monumented with a granite stone, 18 x 16 x 8 ins., firmly set, projecting 8 ins. above ground, mkd. with 1 groove on E. face and 3 grooves on S. face, with a mound of stone, 4 ft. base, 1 ft. high to the N. from which the remains of the orig. bearing trees A forked mesquite stump, 19 ins. diam. at base, bears N. 11° E., 1.45 chs. dist., no marks visible. (Record: N. 10° E., 142 lks.) A forked mesquite stump, 18 ins. diam. at base, bears N. 78 1/4° E., 1.68 chs. dist., no marks visible. (Record: N. 77° E., 171 lks.) At the corner point Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, in a collar of stone, with brass cap mkd. T 16 S R 8 E S 14 | S 13 S 23 | S 24 2006 Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Bury the orig. stone alongside the stainless steel post, accessory mound of stone disassembled and used as collar. --- Restoring the survey executed by George J. Roskruge, in 1886 ---

Dependent resurvey of a Portion of the Subdivisional Lines, T. 16 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	From the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., monumented with a stainless steel post, firmly set, projecting 7 ins. above the ground, in a collar of stone, with brass cap mkd. T16S R8E R9E S13 S18 S24 S19 2006.
	N. 88°56' W., bet. secs. 13 and 24.
	Over gently rolling land.
40.66	The 1/4 sec. cor. of secs. 13 and 24, monumented with a granite stone, 14 x 12 x 7 ins., firmly set, projecting 6 ins. above ground, mkd. 1/4 on N. face.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, in a mound of stone, 3 1/2 ft. base, to top, with brass cap mkd.
	T 16 S R 8 E S 13 1/4 —— S 24 2006
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Bury the mkd. stone alongside the stainless steel post.
	S. 89°36' W., beginning new measurement.
40.22	The cor. of secs. 13, 14, 23 and 24.

T. 16 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

The resurvey is located about 30 miles WSW of Tucson, Arizona. Access is by way of Arizona Highway Number 86, Coleman Road and a few trail roads.

The terrain is predominately the foothills of the Coyote Mountains. The timber consists of scattered paloverde and mesquite, with undergrowth of creosote and grasses. The mean elevation is 2800 feet above sea level.

The soil is generally second rate. Cattle grazing is the predominate use.

No mineral deposits or activities were noted during the course of the resurvey.

The mean magnetic declination of 11° E. was derived from the computer program GEOMAGIX, utilizing the World Magnetic Model for Epoch WMM-2005 for the dates of survey.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Gene L. Staples	Surveying Technician
Travis Pasqual	USFS Surveying Technician

CERTIFICATE OF SURVEY

I, Gordon R. Bubel, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 13th day of January, 2006, have dependently resurveyed a portion of the subdivisional lines, Township 16 South, Range 8 East, 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.

OCTOBER 4, 2006
(Date)

Gordon R. Bubel
(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. 16 S., R. 8 E., Gila and Salt River Meridian, in the State of Arizona, executed by Gordon R. Bubel, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

March 20, 2007
(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. 16 S., R. ~~8~~ E., Gila and Salt River Meridian, Arizona, is a true copy of the ~~original~~ field notes.

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~