ORIGINAL

BOOK 5496

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

CORRECTIVE DEPENDENT RESURVEY OF

A PORTION OF THE

SUBDIVISIONAL LINES,

TOWNSHIP 12 NORTH, RANGE 30 EAST,

Of the Gila and Salt River Meridian,
In the State of Arizona

EXECUTED BY

Stephen J. Malloy, Cadastral Surveyor

Under Special Instructions dated and approved May 23, 1986, which provided for the surveys included under Group Number 680, Assignment Instructions dated August 1, 1996, and Amended Assignment Instructions dated August 12, 1996.

Survey commenced August 11, 1996
Survey completed August 15, 1996

INDEX DIAGRAM

TOWNSHIP 12 NORTH, RANGE 30 EAST,

6	5	4	3	2	1
7	8 5	9	10	11	12
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BOOK 5496

T. 12 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe a corrective dependent resurvey of a portion of the subdivisional lines, Township 12 North, Range 30 East, Gila and Salt River Meridian, Arizona.

The history of surveys is as follows: the subdivisional lines were surveyed by Milton Santee, in 1882, and dependently resurveyed by Paul G. Bauer, Robert F. Johnson, and Gary T. Oviatt in 1966.

A field investigation revealed that a blunder had occurred during the 1966 resurvey in the reestablishment of the cor. of secs. 8, 9, 16, and 17 and the 1/4 sec. cor. of secs. 9 and 16. Mr. Kenneth R. Shaw, R.L.S. 19849, during a field survey in June 1996 discovered this and brought it to the attention of this office by letter dated July 12, 1996. The corrected positions for these two corners along with the establishment of two additional corners that control public lands and other necessary control lines are contained in the following field notes and depicted on the plat for this corrective dependent resurvey.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, the Special Instructions dated May 23, 1986, Assignment Instructions dated August 1, 1996, and Amended Assignment Instructions dated August 12, 1996, for Group No. 680, Arizona.

Preliminary to the resurvey, the lines of the original survey and dependent resurvey were retraced and a search was made for all corners and other calls of the record. Lost corners were restored and monumented at proportionate positions based on the original record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The directions of all lines were determined by direct hour angle observations on the sun, and refer to the true meridian. Distances and angles were measured with a Topcon GTS 3B total station instrument.

The geographic position of the 1/4 sec. cor. of secs. 16 and 17, as determined from a tie made to U. S. Coast and Geodetic Survey triangulation station "ST JOHNS 1936", located in the northerly portion of section 8, is as follows:

Latitude: 34°26'19.12" N. Longitude: 109°10'59.96" W. NAD27

The mean magnetic declination, as shown on U.S.G.S. topographic map "MESA PARADA NW, ARIZ.", 1971, is 12 1/2° E.

Corrective Dependent Resurvey of a Portion
of the Subdivisional Lines,
T. 12 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Restoring the survey executed by Milton Santee in 1882, correcting a portion of the dependent resurvey executed by Paul G. Bauer, Robert F. Johnson and Gary T. Oviatt in 1966
	Beginning at the 1/4 sec. cor. of secs. 16 and 17, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 7 ins. above the ground with a mound of stone, 3 ft. base, 1 ft. high, W. of the cor., with brass cap mkd. T12N R30E 1/4 S17 S16 1966. Add the marks 1996 to the brass cap.
	N. 4°14′ E., bet. secs. 16 and 17.
19.84	Point for the N. 1/16 sec. cor. of secs. 16 and 17.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd. T12N R30E N 1/16 S17 | S16 1996
	Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.
39.68	Point for the cor. of secs. 8, 9, 16 and 17, at proportionate dist.; there is no remaining evidence of the original cor. From this point the witness corner for the cor. of secs. 8, 9, 16 and 17, established in 1966, bears S. 82°14′ W., 72.1 ft. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground with brass cap mkd. WC T12N R30E S8 S9 S17 S16 1966. This monument is now utilized as a reference monument. Remove the marks on the brass cap and mark it to read RM T12N R30E 72.1 ft. TO COR S17 1996 and an arrow pointing to the cor.
	Set an iron rod, 8 ins. long, 1/2 in. diam., 7 ins. below the surface of a bladed road, 25 ft. wide, bears S. 50° E., and N. 60° W., in a curve.
	from which
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears N. 3°50′ W., 83.2 ft. dist., with brass cap mkd. RM T12N R30E 83.2 ft TO COR S8 1996 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

Corrective Dependent Resurvey of a Portion
of the Subdivisional Lines,
T. 12 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
	From the cor. of secs. 9, 10, 15 and 16, monumented with an iron post, 2 1/2 ins. diam., projecting 4 ins. above ground with a mound of stone, 2 ft. base, 1 ft. high, W. of the cor., with brass cap mkd. T12N R30E S9 S10 S16 S15 1966.
	from which the remains of the 1882 bearing trees recovered in 1966
	A down and dead pine, 4 ins. diam., bears N. 75° E., 21 lks. dist., with illegible marks.
	A juniper, 8 ins. diam., bears S. 44° E., 16 lks. dist., mkd. T12NR30E BT.
	Add the marks 1996 to the brass cap.
	S. 89°24′ W., bet. secs. 9 and 16.
39.09	Point for the 1/4 sec. cor. of secs. 9 and 16, at proportionate dist.; there is no remaining evidence of the original cor. From this point the 1/4 sec. cor. of secs. 9 and 16, reestablished in 1966, bears N. 85°47′ W., 0.27 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. T12N R30W S9 1/4 S16 1966. Remove the monument and the marks 1966 on the brass cap. Reset the iron post, at the proportionate position, 25 ins. in the ground and add the marks 1996 to the brass cap.
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the iron post.
	Raise a mound of stone, 2 ft. base, 1 ft. high, N. of the cor.
78.18	The cor. of secs. 8, 9, 16 and 17.
	N. 4°22′ W., bet. secs. 8 and 9.
19.85	Point for the S. 1/16 sec. cor. of secs. 8 and 9.
	Set a stainless steel post, 28 ins. long., 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.
	T12N R30E S 1/16 S 8 | S 9 1996
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.

Corrective Dependent Resurvey of a Portion
of the Subdivisional Lines,
T. 12 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
39.70	The 1/4 sec. cor. of secs. 8 and 9, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above a mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd. T12N R30E 1/4 S8 S9 1966. Add the marks 1996 to the brass cap.
	From this cor. point, U. S. Coast and Geodetic Survey triangulation station "ST JOHNS 1936", with published latitude of 34°27'35.179" N. and longitude of 109°11'35.859" W., NAD27, bears N. 50°35' W., 58.864 chs. dist., monumented with a standard brass disk, 3 1/2 ins. diam., cemented flush into a rock outcrop, 4 ft. sq. and 1 ft. high with top of disk mkd. ST JOHNS 1936 and a triangle.
	From the cor. of secs. 8, 9, 16 and 17.
	N. 88°51' W., bet. secs. 8 and 17.
38.90	The 1/4 sec. cor. of secs. 8 and 17, monumented with an iron post, 2 1/2 ins. diam., firmly set, projected 4 ins. above the ground with a mound of stone, 2 ft. base, 1 ft. high, N. of the cor., with brass cap mkd T12N R30E S8 1/4 S17 1966. Add the marks 1996 to the brass cap.
	N. 88°56' W., beginning new measurement.
38.92	The cor. of secs. 7, 8, 17 and 18, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T12N R30E S7 S8 S18 S17 1966. Add the marks 1996 to the brass cap.
	GENERAL DESCRIPTION
	This survey is located about 12 miles east of St. Johns, Arizona. The average elevation is 6600 feet above sea level.
	Access is by way of a graveled road extending east from St. Johns.
	The soil is rocky clay. The vegetation mainly consists of juniper and pine.
	There is no mineral activity noted. The area is used extensively for grazing cattle and hunting.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Robert J. Lyle	Surveying Technician
John L. Renolds	Surveying Technician

CERTIFICATE OF SURVEY

I, Stephen J. Malloy, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 23rd day of May, 1986, Assignment Instructions bearing date of the 1st day of August, 1996, and Amended Assignment Instructions bearing date of the 12th day of August, 1996, I have correctively dependently resurveyed a portion of the subdivisional lines, Township 12 North, Range 30 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; and that said survey has been made in strict conformity with said special instructions, assignment instructions, amended assignment 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.

June 26, 1997
(Date)

Stephen J. Malloy
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the corrective dependent resurvey of a portion of the subdivisional lines, Township 12 North, Range 30 East, Gila and Salt River Meridian, Arizona, executed by Stephen J. Malloy, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

June 30, 1997
(Date)

Sonny L. Talbot
(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. 12 N., R. 30 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

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