

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF
A PORTION OF THE SOUTH BOUNDARY
AND A PORTION OF THE 1966 MEANDERS OF THE
RIGHT BANK OF THE VERDE RIVER IN SECTION 32,
THE SUBDIVISION OF SECTION 32
AND THE SURVEY OF THE MEANDERS OF THE THREAD OF
THE PRESENT NATURAL CHANNEL OF THE VERDE RIVER
IN FRONT OF LOT 6, SECTION 32,
TOWNSHIP 14 NORTH, RANGE 5 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Craig Dukart, Cadastral Surveyor

Under Special Instructions dated September 17, 2014, approved September 17, 2014, which provided for the surveys included under Group No. 1137, and assignment instructions dated September 17, 2014.

Survey commenced September 22, 2014

Survey completed October 02, 2014

INDEX DIAGRAM

TOWNSHIP 14 NORTH RANGE 5 EAST
GILA & SALT RIVER MERIDIAN, ARIZONA

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32 4	33	34	35	36

Subdivision of the SW 1/4 of Section 32Pages 6-7

Dependent Resurvey of a portion of the 1966 Meanders of
the Right Bank of the Verde River through Section 32Page 7

Survey of Meanders of the Thread of the
Present Natural Channel of the Verde River
in front of Lot 6, Section 32Pages 7-8

T. 14 N., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the south boundary, and a portion of the 1966 meanders of the right bank of the Verde River in section 32, the subdivision of section 32, and the survey of the meanders of the thread of the present natural channel of the Verde River in front of Lot, 6, Section 32, T. 14 N., R. 5 E., Gila and Salt River Meridian, Arizona.

The purpose of this survey is to delineate all of the lands of Lot 6, Section 32, Township 14 North, Range 5 East, Gila and Salt River Meridian, Arizona. The survey is intended to comply with the recommendations defined in the riparian study titled "Report for the Yavapai-Apache Nation Regarding the Riparian Boundaries of Tribal Land Along the Verde River in the Camp Verde Area by Jerrold E. Knight, Registered Land Surveyor, February 17, 2012".

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

The dependent resurvey of portions of the south boundary, subdivisional lines, and meanders of the right bank of the Verde River, and a survey of the then present meanders of the right bank of the Verde River, and the subdivision of section 32, Township 14 North, Range 5 West, were surveyed by Leonard W. Murphy, Cadastral Surveyor, in 1966 (Book 4797)

The dependent resurvey of portions of the north boundary, and the corrective dependent resurvey of a portion of the subdivisional lines of section 5, Township 13 North, Range 5 West, were surveyed by Gordon R. Bubel, Cadastral Surveyor, in 2007 (Book 5851)

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions for the Survey of the Public Lands of the United States (2009), and the Special Instructions dated September 17, 2014, for Group No. 1137, Arizona.

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

T. 14 N., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS

The "standard monument" referred to in these notes is a stainless steel post, 28 ins. Long, 2 1/2 ins. diam., with a brass cap. Unless otherwise indicated, a magnet in a white plastic case is deposited at the base of the stainless steel post.

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) DL1882 AZFL NAU FLAGSTAFF CORS ARP, AI8820 FERN FERNO MESA CORS ARP and DL1898 AZPS PRESCOTT CORS ARP. The NAD 83 (CORS96)(EPOCH:2010), geographic position of the following two corners:

The 1/4 sec. cor. of secs. 5 and 32, is as follows:

Latitude: 34°33'17.533" N. Longitude: 111°50'44.450" W.

The sec. cor. of secs. 5, 6, 31 and 32, is as follows:

Latitude: 34°33'17.551" N. Longitude: 111°51'16.015" W.

The mean magnetic declination is 10 3/4° E.

**Dependent Resurvey of a Portion of the South Boundary,
T. 14 N., R. 5 E., Gila and Salt River Meridian, Arizona**

Restoring the resurvey executed by Leonard W. Murphy, in 1966
the resurvey executed by Harry K. Smith, in 1973-1975
and the resurvey executed by Gordon R. Bubel, in 2007

Beginning at the 1/4 sec. cor. of secs. 5 and 32 on the S. bdy. of the Tp., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 1 in. above the ground, with brass cap mkd. T14N R5E S32 1/4 S5 T13N 1966 1977 2004.

from which the 1974 accessories

A mesquite clump, 12 ins. diam., bears S. 73 1/2° E.,
1.205 chs. dist., with rotted base.

A wood post, 5 x 6 ins., projecting 4 ft. above ground,
bears S. 53 1/4° E., 8.0 lks. dist., with remains of
woven wire fence bearing S.

From this cor., a rebar, 1/2 in. diam., projecting 20 ins. above the ground, bears SE, 1 lk. dist.

**Dependent Resurvey of a Portion of the South Boundary
T. 14 N., R. 5 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>From this same cor., a rebar, 3/8 in. diam., projecting 20 ins. above the ground, and bent 90° at ground level, bears E., 2.5 lks. dist.</p> <p>From this same cor., a fence post, 1 7/8 in. diam., projecting 5 1/2 ft. above the ground, bears NW, 1 lk. dist.</p> <p>A steel "T-Post" fence post is set near the iron post with a faded "Survey Monument" sign attached.</p> <p>Add the marks 2014 to the brass cap.</p> <p>N. 89°58' W., bet. secs. 5 and 32, on the S. bdy. of the Tp.</p>
16.37	Point for a meander cor., at the intersection of the thread of the present natural channel of the Verde River; not monumented.
16.72	Approximate present right bank of the Verde River, bears N. 30° E. and S. 30° W.
17.15	<p>Point selected for a witness point.</p> <p>Set a standard monument, 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>WP T14N R5E S 32 LOT 6</p> <hr style="width: 20%; margin: 0 auto;"/> <p>S5 T13N</p> <p>2014</p> </div> <p>Set a steel "T-Post" fence post near the witness point.</p>
21.10	<p>The meander cor. of secs. 5 and 32, on the right bank of the Verde River, as established in 1966, monumented with an iron post, 2 1/2 ins. diam., buried 4 ins. below the ground, with brass cap mkd. T14N R5E S32 MC S5 T13N 1966 1974 2004.</p> <p>Add the marks 2014 to the brass cap, and drive a steel "T-Post" fence post near the cor.</p>
31.61	<p>The meander cor. of secs. 5 and 32, on the right bank of the Verde River, as established in 1892, remonumented in 1966 with an iron post, 2 1/2 ins. diam., buried 9 ins. below the ground, with brass cap mkd. T14N R5E S32 MC S5 T13N 1966.</p> <p>Add the marks 2014 to the brass cap.</p> <p>This cor. falls in a fence line, bears E. and W.</p>

**Dependent Resurvey of a Portion of the South Boundary
T. 14 N., R. 5 E., Gila and Salt River Meridian, Arizona**

CHAINS	
40.01	<p>The cor. of secs. 5, 6, 31 and 32, monumented with an iron post, 2 1/2 ins. diam., firmly set 12 ins. below pavement, in hand hole, with brass cap mkd. T14N R5E S31 S32 S6 S5 T13N 1966, from which the remaining reference monument</p> <p style="padding-left: 40px;">A stainless steel post, 2 1/2 ins. diam., firmly set, buried 6 ins. below the ground, bears N. 44°56' W., 27.0 ft. dist., with an unreadable brass cap.</p> <p>From this cor., an Arizona Department of Transportation right-of-way monument bears N. 0°11' W., 50 lks. dist., monumented with an alum. cap, 3 ins. diam., set in concrete, 9 ins. diam., flush with the ground, mkd. 5127 RLS25396 S-326-714.</p> <hr/> <p style="text-align: center;">Subdivision of the SW 1/4 of Section 32, T. 14 N., R. 5 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the special meander corner on the east and west centerline of the SW 1/4 of sec. 32, at intersection with the right bank of the Verde River, as established in 1892, remonumented in 1966 with an iron post, 2 1/2 ins. diam., firmly set, buried 4 ins below the ground, with brass cap mkd. T14N R5E S32 LOT 6 SMC 1966.</p> <p>From this cor., the center of a steel manhole cover, 2.15 ft. diam., bears S. 24°49' E., 13.7 lks. dist.</p> <p>Add the marks 2014 to the brass cap.</p> <p>S. 88°23' E., on the east and west centerline of the SW 1/4 of sec. 32.</p>
6.235	<p>The special meander corner on the east and west centerline of the SW 1/4 of sec. 32, at intersection with the right bank of the Verde River, as established in 1966, monumented with an iron post, 2 1/2 ins. diam., firmly set, buried 4 ins below the ground, with brass cap mkd. T14N R5E S32 LOT 6 SMC 1966.</p> <hr/> <p>S. 88°23' E., beginning new measurement, on the east and west centerline of the SW 1/4 of sec. 32, extending the line bet. the special meander cor. at intersection with the right bank of the Verde River, as established in 1892, and the special meander cor. at intersection with the right bank of the Verde River, as established in 1966.</p>
7.13	<p>Point selected for a witness point.</p> <p>Set a standard monument, 24 ins. in the ground, with brass cap mkd.</p>

Subdivision of the SW 1/4 of Section 32
T. 14 N., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS

WP
T14N R5E
S 32
S ——— S
LOT 6

2014

Set a steel "T-Post" fence post near the witness point.

8.23 Top bank of weir constructed to divert water from the Verde River into the Diamond S Ditch, bears S. 60°E. and N. 60° W.

9.15 Point for a special meander corner, at intersection with the approximate thread of the present natural channel of the Verde River; not monumented.

**Dependent Resurvey of a portion of the 1966 Meanders of
the Right Bank of the Verde River through Section 32,
T. 14 N., R. 5 E., Gila and Salt River Meridian, Arizona**

Restoring the survey executed by
Leonard W. Murphy, in 1966

From the meander cor. of secs. 5 and 32, on the right bank of the Verde River, as established in 1966, hereinbefore described.

Thence upstream with the adjusted record meanders of the right bank of the Verde River, through a portion of sec. 32.

N. 0°01' W., 10.53 chs.

N. 7°33' W., 7.13 chs.

N. 1°42' E., 2.27 chs.

At end of course, the special meander corner, on the east and west center line of the SW 1/4 of sec. 32, hereinbefore described.

**Survey of Meanders of the Thread of the Present Natural Channel
of the Verde River in front of Lot 6, Section 32,
T. 14 N., R. 5 E., Gila and Salt River Meridian, Arizona**

From the point for the special meander corner on the east and west centerline of the SW 1/4 of Sec. 32, at intersection with the approximate thread of the present natural channel of the Verde River, hereinbefore described.

Survey of the Meanders of the Thread of the Present
Natural Channel of the Verde River in front of Lot 6, Section 32,
T. 14 N., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Thence downstream with the traverse of the thread of the present natural channel of the Verde River.
	S. 50°48' E., 2.75 chs.
	S. 11°54' W., 0.45 chs. At end of course, top bank of weir constructed to divert water from the Verde River into the Diamond S Ditch, at the upper overflow area into present natural channel, bears S. 55° E. and N. 55° W.; thence continue with the traverse of the present natural channel of the Verde River.
	S. 9°16' W., 3.16 chs.
	S. 32°41' W., 2.23 chs.
	S. 14°04' W., 1.87 chs.
	S. 28°18' W., 4.30 chs.
	S. 6°13' E., 3.62 chs.
	S. 28°42' W., 3.69 chs. At end of course, the point for the meander cor., on the S. bdy. of the Tp., at the intersection of the thread of the present natural channel of the Verde River; hereinbefore described.
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T. 14 N., R. 5 E., Gila and Salt River Meridian, Arizona

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GENERAL DESCRIPTION

This survey is located along the right bank of the Verde River in the Town of Camp Verde. Access is by way of Arizona State Highway No. 260.

The terrain is nearly level to gently rolling, with dense stands of cottonwoods and willows along the river. The elevation is 3050 ft. above sea level.

This survey was performed at the request of the Yavapai Apache Nation to identify accreted lands attached to Lot 6, sec. 32.

The thread of the present natural channel of the Verde River, north of the upper overflow area in the weir constructed to divert water from the Verde River into the Diamond S Ditch, was identified by scaling off of aerial photography. The Thread of the present natural channel south of the weir was identified by taking GPS shots along the center of the channel. The channel south of the weir has a small flow of water at the upstream end, which increases in volume farther downstream as water flows in at various overflow points from the intake pool of the Diamond S Ditch.

The mean magnetic declination of $10\ 3/4^\circ$ E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 2005 for the dates of survey.

CERTIFICATE OF SURVEY

I, Craig S. Dukart, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 17th day of September, 2014, I have dependently resurveyed a portion of the south boundary, and a portion of the 1966 meanders of the right bank of the Verde River in sec. 32, subdivided sec. 32, and surveyed the meanders of the thread of the present natural channel of the Verde River in front of Lot, 6, Section 32, T. 14 N., R. 5 E., 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.

FEBRUARY 10, 2015
(Date)

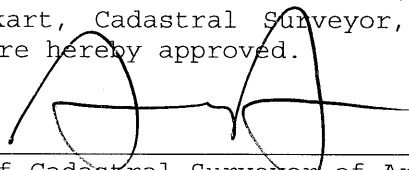

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the south boundary, and a portion of the 1966 meanders of the right bank of the Verde River in sec. 32, the subdivision of sec. 32, and the survey of the meanders of the thread of the present natural channel of the Verde River in front of Lot, 6, Section 32,, T. 14 N., R. 5 E., Gila and Salt River Meridian, in the State of Arizona, executed by Craig S. Dukart, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

2/13/2015
(Date)


(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. 14 N., R. 5 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____~~
~~(Date)~~

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