

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL
FIELD NOTES

_____ of the _____
_____ Dependent Resurvey of a Portion _____
_____ of the _____
_____ Subdivisional Lines _____
_____ and a _____
_____ Metes-and-Bounds Survey in Section 14, _____
_____ Township 10 North, Range 19 West _____

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

EXECUTED BY

Dennis K. McKay Cadastral Surveyor

Under special instructions dated April 13 _____, 19 83, approved April 13, 1983 _____

_____, which provided for the surveys included under U.S. Survey/Group
Number 640 _____, and assignment instructions dated April 13 _____, 19 83.

Survey commenced April 13 _____, 19 83
Survey completed April 21 _____, 19 83

INDEX DIAGRAM

Township 10 North, Range 19 West,

6	5	4	3	2	1
7	8	9	10	11	12
				7 5	
18	17	16	15	14	5 13 4
				4 3	
19	20	21	22	23	24
30	29	28	27	26	25
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 Metes-and-Bounds Surveys ... pp. 8 - 11

T 10 N, R 19 W, Gila and Salt River Mer., Arizona

CHAINS

The following field notes are of the dependent resurvey of a portion of the subdivisional lines, and a portion of the meanders of the left bank of the Colorado River; and a metes-and-bounds survey in section 14, Township 10 North, Range 19 West, Gila and Salt River Meridian, Arizona.

The subdivisional lines were surveyed and the left bank of the Colorado River was meandered in 1915 by Alexander T. Harris and John Gonin, U.S. Transitmen. The left bank of the Colorado River was remeandered and the subdivisional lines were dependently resurveyed by Eldon W. Sibley, Cadastral Surveyor, in 1962.

This survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated April 13, 1983, for Group No. 640, Arizona.

The directions of the lines were determined by altitude observations on the sun. The lines were carried forward by sustained angulation and distances were determined using a Hewlett Packard 3820A Total Station instrument.

Before restoring the corners, all necessary lines of the original survey were retraced and a diligent search was made for any evidence of the original monuments and other calls of the official record. Lost corners were reestablished by the rules of proportionate measurement.

The geographic position of the southeast corner of sec. 14, as determined from a tie made to the Arizona Department of Transportation control station "558-5", 1967, is as follows:

Latitude: 34°12'08" N Longitude: 114°11'51" W

The mean magnetic declination is 14° E.

Dependent Resurvey, a Portion of the Subdivisional Lines,
T 10 N, R 19 W, Gila and Salt River Mer., Arizona

Reestablishment of the Resurvey executed by
Eldon W. Sibley, Cadastral Surveyor, in 1962

Beginning at the cor. of secs. 13, 14, 23 and 24, monumented with an iron post, 2 ins. diam., projecting 22 ins. above ground, in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

T10N R19W	
S14	S13
S23	S24
1915	

Cor. is located 30 lks. S of a wash, 5 lks. wide, drains W and 38 lks. N of a spur, slopes W.

S 89°52' W, bet. secs. 14 and 23.

Over hilly terrain, with sparse vegetation.

Dependent Resurvey, a Portion of the Subdivisional Lines,
T 10 N, R 19 W, Gila and Salt River Mer., Arizona

CHAINS

40.04

The $\frac{1}{4}$ sec. cor. of secs. 14 and 23, monumented with an iron post, 1 in. diam., projecting 20 ins. above ground, in a mound of stone, $2\frac{1}{2}$ ft. base, 1 ft. high, with brass cap mkd.

$$\frac{1}{4} \begin{array}{c} S14 \\ S23 \\ 1915 \end{array}$$

A mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, is N of cor.

S $89^{\circ}54'$ W, beginning new measurement.

Over hilly terrain, with sparse undergrowth.

40.07

The cor. of secs. 14, 15, 22 and 23, monumented with a rebar, $\frac{5}{8}$ in. diam., projecting 8 ins. above ground. This monument, as shown on the plat of the survey of Parcels, 1, 2 and 3, sec. 15, by Roger A. Luczu, L.S. No. 10424 AZ., in 1979, on file in the office of Ellis-Murphy, Inc., Phoenix, Az., is accepted as a careful and faithful reestablishment of the position of the cor.

At the cor. point

Set an aluminum post, 1 in. diam., 17 ins. long, 11 ins. in the ground, over the rebar, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with cap mkd.

$$\begin{array}{c} T10N R19W \\ S15 \mid S14 \\ S22 \mid S23 \\ 1983 \end{array}$$

Cor. is located atop a small knoll.

From this cor. the $\frac{1}{4}$ sec. cor. of secs. 22 and 23, bears S $0^{\circ}03'$ E, 40.00 chs. dist., monumented with an iron post, 1 in. diam., projecting 17 ins. above ground, in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap mkd.

$$\begin{array}{c} \frac{1}{4} \\ S22 \mid S23 \\ 1915 \end{array}$$

N $0^{\circ}02'$ W, bet. secs. 14 and 15.

Over hilly terrain, with sparse vegetation.

27.40

Point for a witness point on line bet. secs. 14 and 15, at intersection with the center line of State Highway No. 95, bears N $61^{\circ}09'$ E and S $61^{\circ}09'$ W.

At the cor. point

Set a railroad spike flush with the pavement, with top mkd.

$$\begin{array}{c} W P \\ S15 \mid S14 \\ 1983 \end{array}$$

from which

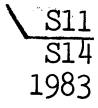
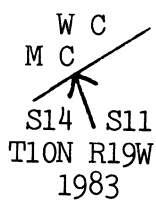
Dependent Resurvey, a Portion of the Subdivisional Lines,
T 10 N, R 19 W, Gila and Salt River Mer., Arizona

CHAINS		
	<p>An aluminum post, 19 ins. long, $\frac{3}{4}$ in. diam., set 16 ins. in the ground, for a reference monument, bears N 58°26' W, 89.1 lks. dist., with cap mkd. T10N R19W S15 WP RM 58.80 FT 1983, and an arrow pointing to the cor.</p> <p>An aluminum post, 36 ins. long, $\frac{3}{4}$ in. diam., set 28 ins. in the ground, for a reference monument, bears N 0°41' W, 105.5 lks. dist., with cap mkd. T10N R19W S15 WP RM 69.65 FT 1983, and an arrow pointing to the cor.</p>	
28.65	<p>A witness point on line bet. secs. 14 and 15, monumented with an iron post, 2½ ins. diam., projecting 20 ins. above ground, in a mound of stone, 4 ft. base, with brass cap mkd.</p> <div style="text-align: center;"> <p>T10N R19W S15 S14 WP 1962</p> </div> <p>N 35°42' W, on record bearing.</p> <p>Across level land.</p>	
0.36	<p>Point selected for the witness cor. to the meander cor.</p> <p>At the cor. point</p> <p>Set an aluminum post, 108 ins. long, $\frac{3}{4}$ in. diam., 101 ins. in the ground, in a mound of stone, 3 ft. base, to top, with cap mkd.</p> <div style="text-align: center;"> <p>WC MC S15 S14 T10N R19W</p> </div>	
0.42	<p>The left bank of the Colorado River, 10 ft. high, course S 80° W.</p>	
0.53	<p>Point for the 1962 meander cor. of secs. 14 and 15, at record dist., falls in the Colorado River. There is no remaining evidence of the original meander cor.</p> <hr/> <p>From the cor. of secs. 11, 12, 13 and 14, monumented with an iron post, 2 ins. diam. projecting 5 ins. above ground, in a concrete base, in a mound of stone, 2½ ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T10N R19W S11 S12 S14 S13 1915</p> </div> <p>West, on record bearing, bet. secs. 11 and 14.</p> <p>Along level, cleared land.</p>	

Dependent Resurvey, a Portion of the Subdivisional Lines,
T 10 N, R 19 W, Gila and Salt River Mer., Arizona

CHAINS		
16.00	<p>Point for a witness point on line bet. secs. 11 and 14, at intersection with the center line of State Highway No. 95, bears N 47°29' E and S 47°29' W.</p> <p>At the cor. point</p> <p>Set a railroad spike flush with the pavement, with top mkd.</p> <p style="text-align: center;">W P S11 <u>S14</u> 1983</p> <p>from which</p> <p style="padding-left: 40px;">An aluminum post, 36 ins. long, $\frac{3}{4}$ in. diam., set 36 ins. in the ground, for a reference monument, bears S 87°31' E, 107.1 lks. dist., with cap mkd. T10N R19W S14 WP RM 70.71 FT 1983, and an arrow pointing to the cor.</p> <p style="padding-left: 40px;">An aluminum post, 36 ins. long, $\frac{3}{4}$ in. diam., set 23 ins. in the ground, in a mound of stone, 2 ft. base, to top, for a reference monument, bears S 2°29' W, 107.1 lks. dist., with cap mkd. T10N R19W S14 WP RM 70.71 FT 1983, and an arrow pointing to the cor.</p>	
21.60	Intersect the E side of a mobile home, 12 x 45 ft., the SE cor. bears South, 6 lks. dist., the long side bears North.	
22.14	Intersect the E side of a mobile home, 12 x 60 ft., the SE cor. bears South, 14 lks. dist., the long side bears North.	
22.57	Intersect the NE cor. of a metal shed, 8 x 12 ft., the long side bears South.	
22.78	Intersect the E side of a mobile home, 10 x 60 ft., the SE cor. bears South, 13 lks. dist., the long side bears North.	
23.30	Intersect the E side of a mobile home, 15 x 50 ft., the SE cor. bears South, 12 lks. dist., the long side bears North.	
23.71	Intersect the E side of a mobile home, 10 x 50 ft., the SE cor. bears South, 8 lks. dist., the long side bears North.	
24.72	Intersect the E side of a block shed, 12 x 35 ft., the SE cor. bears South, 15 lks. dist., the long side bears North.	
27.80	<p>Point for the 1962 witness point on line bet. secs. 11 and 14, at record dist. There is no remaining evidence of the position of the cor.</p> <p>At the cor. point</p> <p>Set an aluminum post, 36 in. long, $\frac{3}{4}$ in. diam., 36 ins. in the ground, with cap mkd.</p>	

Dependent Resurvey, a Portion of the Subdivisional Lines,
T 10 N, R 19 W, Gila and Salt River Mer., Arizona

CHAINS		
	<p style="text-align: center;">W P T10N R19W</p> 	
0.36	<p>Cor. is located in a lawn.</p> <hr/> <p>N 46°08' W, on record bearing.</p> <p>Point selected for the witness cor. to the meander cor.</p> <p>At the cor. point</p> <p>Set an aluminum post, 36 ins. long, $\frac{3}{4}$ in. diam., 36 ins. in the ground, with cap mkd.</p> 	
0.43	<p>Cor. is located 1.2 lks. E of stone retaining wall.</p> <p>Point for the 1962 meander cor. of secs. 11 and 14, at record dist., falls on a concrete dock in the Colorado River. There is no remaining evidence of the original cor.</p>	
	<p>Dependent Resurvey of the Meanders of the Left Bank of the Colorado River in Sec. 14 T 10 N, R 19 W, Gila and Salt River Mer., Arizona</p>	
	<p style="text-align: center;">Retracing the Survey executed by Eldon W. Sibley, Cadastral Surveyor, in 1962</p> <hr/> <p>From the true point for the meander cor. of secs. 14 and 15, hereinbefore described.</p> <p>Thence upstream, with the adjusted record meanders of the left bank of the Colorado River through sec. 14.</p> <p>N 54°09' E, 3.55 chs.</p> <p>N 51°57' E, 6.76 chs.</p> <p>N 67°23' E, 2.33 chs.</p> <p>N 61°46' E, 1.84 chs.</p> <p>S 84°35' E, 2.44 chs.</p> <p>N 37°05' E, 2.50 chs.</p> <p>N 42°28' E, 3.00 chs.</p> <p>N 66°18' E, 1.45 chs.</p> <p>N 61°03' E, 3.39 chs.</p>	

Dependent Resurvey of the Meanders of the Left Bank
of the Colorado River in Sec. 14
T 10 N, R 19 W, Gila and Salt River Mer., Arizona

CHAINS	
	<p>N 43°24' E, 6.83 chs.</p> <p>N 34°34' E, 6.51 chs.</p> <p>N 36°26' E, 5.37 chs.</p> <p>N 36°40' E, 7.67 chs.</p> <p>N 39°06' E, 5.20 chs.</p> <p>N 40°06' E, 12.78 chs.</p> <p>N 43°43' E, 3.55 chs.</p> <p style="text-align: right;">At end of course, true point for the meander cor. of secs. 11 and 14, hereinbefore described.</p>
	<p>Metes-and-Bounds Survey in Sec. 14, T 10 N, R 19 W, Gila and Salt River Mer., Arizona</p>
	<p>From the witness point on line bet. secs. 14 and 15, at the intersection with the center line of State Highway No. 95, asphalt surfaced, hereinbefore described.</p> <p>Thence N 61°09' E, on the center line of State Highway No. 95.</p>
12.40	<p>Point for AP1, sec. 14, at the point of curvature.</p> <p>Set a railroad spike flush with the pavement, with top mkd.</p> <div style="text-align: center;"> <p>AP1 S14 1983</p> </div> <p>from which</p> <p>An aluminum post, 36 ins. long, $\frac{3}{4}$ in. diam., set 32 ins. in the ground, in a mound of stone, 2½ ft. base, to top, bears S 73°40' E, 105.5 lks. dist., with cap mkd. T10N R19W S14 AP1 RM 69.65 FT 1983, and an arrow pointing to the cor.</p> <p>An aluminum post, 36 ins. long, $\frac{3}{4}$ in. diam., set 32 ins. in the ground, in a mound of stone, 2½ ft. base, to top, bears N 73°51' W, 107.1 lks. dist., with cap mkd. T10N R19W S14 AP1 RM 70.71 FT 1983, and an arrow pointing to the cor.</p>
6.575	<p>Thence along the arc of a 3°40'00" circular curve to the left, having a radius of 1562.62 ft. dist., on the center line of State Highway No. 95, the chord of said arc bears N 53°11' E, 6.55 chs. dist.</p> <p>Point for AP2, sec. 14, at the point of tangency.</p> <p>Set a railroad spike flush with the pavement, with top mkd.</p>

Metes-and-Bounds Survey in Sec. 14,
T 10 N, R 19 W, Gila and Salt River Mer., Arizona

CHAINS

AP2
S14

1983

from which

An aluminum post, 36 ins. long, $\frac{3}{4}$ in. diam., set 36 ins. in the ground, for a reference monument, bears N $1^{\circ}53'$ E, 113.6 lks. dist., with cap mkd. T10N R19W S14 AP2 RM 74.98 FT 1983, and an arrow pointing to the cor. Raise a mound of stone, $1\frac{1}{2}$ ft. base, $\frac{1}{2}$ ft. high, N of the RM.

An aluminum post, 36 ins. long, $\frac{3}{4}$ in. diam., set 30 ins. in the ground, in a mound of stone, 3 ft. base, to top, bears N $83^{\circ}38'$ E, 84.6 lks. dist., with cap mkd. T10N R19W S14 AP2 RM 55.84 FT 1983, and an arrow pointing to the cor.

Thence N $45^{\circ}14'$ E, on the center line of State Highway No. 95.

4.15 Point for AP3, sec. 14, at the point of curvature.

Set a railroad spike flush with the pavement, with top mkd.

AP3
S14

1983

from which

An aluminum post, 30 ins. long, $\frac{3}{4}$ in. diam., set 18 ins. in the ground, in a mound of stone, 4 ft. base, to top, for a reference monument, bears N $0^{\circ}14'$ E, 103.7 lks. dist., with cap mkd. T10N R19W S14 AP3 RM 68.45 FT 1983, and an arrow pointing to the cor.

An aluminum post, 36 ins. long, $\frac{3}{4}$ in. diam., set 36 ins. in the ground, for a reference monument, bears N $89^{\circ}46'$ W, 107.1 lks. dist., with cap mkd. T10N R19W S14 AP3 RM 70.71 FT 1983, and an arrow pointing to the cor.

Thence along the arc of a $8^{\circ}33'32''$ circular curve to the right, having a radius of 669.44 ft. dist., on the center line of State Highway No. 95, the chord of said arc bears N $55^{\circ}35'$ E, 3.65 chs. dist.

3.666 Point for AP4, sec. 14, at the point of compound curvature.

Set a railroad spike flush with the pavement, with top mkd.

Metes-and-Bounds Survey of Sec. 14,
T 10 N, R 19 W, Gila and Salt River Mer., Arizona

CHAINS

AP4
S14
/

1983

from which

An aluminum post, 36 ins. long, $\frac{3}{4}$ in. diam., set 10 ins. in the ground, in a mound of stone, $3\frac{1}{2}$ ft. base, to top, for a reference monument, bears S $69^{\circ}03'$ E, 103.7 lks. dist., with cap mkd. T10N R19W S14 AP4 RM 68.46 FT 1983, and an arrow pointing to the cor.

An aluminum post, 36 ins. long, $\frac{3}{4}$ in. diam., set 10 ins. in the ground, in a mound of stone, 4 ft. base, to top, for a reference monument, bears S $20^{\circ}57'$ W, 111.9 lks. dist., with cap mkd. T10N R19W S14 AP4 RM 73.87 FT 1983, and an arrow pointing to the cor.

Thence along the arc of a $8^{\circ}31'19''$ circular curve to the left, having a radius of 672.34 ft. dist., on the center line of State Highway No. 95, the chord of said arc bears N $56^{\circ}43'$ E, 3.27 chs. dist.

3.281 Point for AP5, sec. 14, at the point of tangency.

Set a railroad spike flush with the pavement, with top mkd.

AP5
S14
/

1983

from which

An aluminum post, 24 ins. long, $\frac{3}{4}$ in. diam., set 12 ins. in the ground, in a mound of stone, 3 ft. base, to top, for a reference monument, bears N $2^{\circ}32'$ E, 72.7 lks. dist., with cap mkd. T10N R19W S14 AP5 RM 47.97 FT 1983, and an arrow pointing to the cor.

An aluminum post, 36 ins. long, $\frac{3}{4}$ in. diam., set 30 ins. in the ground, in a mound of stone, $2\frac{1}{2}$ ft. base, to top, for a reference monument, bears S $2^{\circ}29'$ W, 103.7 lks. dist., with cap mkd. T10N R19W S14 AP5 RM 68.46 FT 1983, and an arrow pointing to the cor.

From this point, the Arizona Department of Transportation control station "558-5", bears N $5^{\circ}53'$ W, 0.78 chs. dist., monumented with a brass tablet, 3 ins. diam., cemented flush with a small rock outcropping, mkd.

ARIZONA HIGHWAY DEPT
P & M
558-5
1967

Metes-and-Bounds Survey in Sec. 14,
T 10 N, R 19 W, Gila and Salt River Mer., Arizona

CHAINS		
53.36	<p>Thence N 47°29' E, on the center line of State Highway No. 95.</p> <p>The witness point on line bet. secs. 11 and 14, at intersection with the center line of State Highway No. 95, hereinbefore described.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>Township 10 North, Range 19 West, section 14, is situated about 7 miles NE of Parker, Arizona. The elevation varies from 400 to 740 feet above sea level. The soil varies from sand and rock on the higher elevation, to a sandy clay on the bottom land. The vegetation is sparse creosote and native grasses.</p> <p>The Colorado River flows southwesterly along the meandered boundary of the section. State Highway No. 95 runs roughly parallel with the river bank.</p> <p>The mean magnetic declination is 14° E.</p> <hr/>	

CERTIFICATE OF SURVEY

(I) ~~(We)~~, Dennis K. McKay, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 13th day of April, 19 83, (I) ~~(We)~~ have dependently resurveyed a portion of the subdivisional lines and have executed a metes-and-bounds survey in section 14, T. 10 N., 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), ~~(us)~~ and under (my) ~~(our)~~ direction; and that 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.

SEP 22 1983

(Date)

Dennis K. McKay

(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

Arizona State Office
BUREAU OF LAND MANAGEMENT
~~XXXXXXXXXXXX~~
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines and a metes-and-bounds survey in section 14, T. 10 N., R. 19 W., Gila and Salt River Meridian, Arizona

executed by Dennis K. McKay, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

SEP 26 1983

(Date)

James P. Kelley

~~(Chief Cadastral Surveyor of Arizona)~~
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 N., R. 19 W., G&SRM, Arizona, is a true copy of the original field notes.

(Date)

~~(Chief Cadastral Surveyor of Arizona)~~

Chief Cadastral Surveyor of Arizona