

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,

A PORTION OF THE FIXED AND LIMITING BOUNDARY OF

THE LEFT BANK OF THE COLORADO RIVER,

AND

THE SURVEY OF SUBDIVISIONS IN SECTION 25,

TOWNSHIP 1 NORTH, RANGE 24 WEST,

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

PAUL L. REEVES, CADASTRAL SURVEYOR

Under special instructions dated NOVEMBER 12, 19 80, approved NOVEMBER 14, 1980,

AND SUPPLEMENTAL SPECIAL INSTRUCTIONS DATED JANUARY 23, 1981, APPROVED

JANUARY 27, 1981

_____, which provided for the surveys included under ~~U.S. Survey~~/Group

Number 621, and assignment instructions dated NOVEMBER 14, 19 80.

Survey commenced FEBRUARY 18, 19 81

Survey completed MARCH 3, 19 81

INDEX DIAGRAM

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T. 1 N., R. 24 W., Gila and Salt River Mer., Arizona

CHAINS

The exterior boundaries and subdivisional lines were surveyed by John A. Barry in 1902. The east boundary was resurveyed by Robert C. Yundt as shown on the official plat approved July 27, 1960 which was cancelled January 11, 1962. A portion of the east boundary was resurveyed by Robert C. Yundt and Leonard W. Murphy in 1961. In 1961, Leonard W. Murphy resurveyed a portion of the subdivisional lines, surveyed a fixed and limiting boundary of the left bank of the Colorado River through certain sections and meandered and traversed the left bank of the Colorado River through certain sections. Tracts 37, 38 and 39 were surveyed in 1975 by Harry K. Smith. The east boundary was resurveyed concurrently under this assignment.

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, a portion of the fixed and limiting boundary of the left bank of the Colorado River, and the survey of subdivisions in section 25, Township 1 North, Range 24 West, Gila and Salt River Meridian, Arizona.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 621, dated November 12, 1980, and Supplemental Special Instructions, dated January 23, 1981. Distances were measured with a Hewlett-Packard 3820 A Total Station instrument.

The directions of the lines of this survey were determined by altitude observations on the sun and refer to the true meridian.

Preliminary to the resurvey the lines of the previous surveys were retraced and search was made for all corners and other calls of the record. Identified corners were remonumented in their original positions; lost corners were restored and monumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The geographic position of the southeast corner of section 32, as determined from a tie to U.S.C. & G.S. triangulation station "Hive," is:

Latitude 33°23'25.1" N Longitude 114°41'28.5" W

The mean magnetic declination is 14°30' E.

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 1 N., R. 24 W., Gila & Salt River Mer., Arizona

(Restoring the 1961 resurvey by Leonard W. Murphy)

Beginning at the cor. of secs. 25, 30, 31 and 36, on the E bdy. of the Tp., described in the field notes of the W bdy. of T. 1 N., R. 23 W., surveyed concurrently under this assignment.

From this point U.S.C. & G.S. triangulation station "HIVE," bears S. 63°28'30" E., 299.30 chs. dist., described in the field notes of T. 1 N., R. 23 W., of this assignment. The geodetic position of this station as published by U.S.C. & G.S. is:

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Dependent Resurvey of a Portion of the Subdivisional Lines, T. 1 N., R. 24 W., Gila & Salt River Mer., Arizona

CHAINS		
	<p>Latitude 33°21'57.81986" N Longitude 114°38'00.08669" W</p> <p>N. 89°58' W., bet. secs. 25 and 36.</p> <p>Along N side of a concrete lined canal.</p>	
39.99	<p>Point for the 1/4 sec. cor. of secs. 25 and 36 at proportionate dist. The monument that was set in 1961 was found disturbed, set in a concrete base, 1 ft. diam., lying at a 45° angle 18 ins. under the ground.</p> <p>Reset the iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T1N R24W $\frac{1}{4} \frac{S25}{S36}$ 1961</p> <p>Add the marks 1981 to the brass cap.</p> <p>Set a steel fence post alongside the cor.</p> <p>Cor. is located 40 lks. N of an E and W concrete lined canal.</p>	
69.07	<p>Point for the witness point of secs. 25 and 36, on the E right-of-way bdy. of the Oxbow Cut.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">W P T1N R24W $\frac{S25}{S36}$ 1981</p> <p>Set a steel fence post alongside the cor.</p> <p>Cor. is located 40 lks. N of an E and W graded gravel road.</p>	
73.00	<p>Intersection of roads extending N, E, S and W.</p>	
79.98	<p>The cor. of secs. 25, 26, 35 and 36, monumented with a 1 x 2 in. wooden hub, projecting 6 ins. above the ground, with a spike on top. This point was reestablished by the Bureau of Reclamation after the construction of the bridge across the Colorado River which removed the 1961 iron post, and is accepted as a careful and faithful determination of the position of the official cor.</p> <p>At the cor. point</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T1N R24W $\frac{S26 S25}{S35 S36}$ 1981</p> <p>Deposit the wooden hub alongside the cor.</p>	

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 1 N., R. 24 W., Gila & Salt River Mer., Arizona

CHAINS	
	<p>Cor. is located under the center of an E and W bridge, 70 lks. E of the left bank of the Colorado River, which bears N and S.</p> <p>From this point the meander cor. of secs. 26 and 35, bears West, 21.74 chs. dist., monumented with an iron post, 2½ ins. diam., 14 ins. below surface of ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T1N MC / S26 S35 R24W 1961</p> </div> <p>Add the marks 1981 to the brass cap.</p> <p>Set a steel fence post alongside the cor.</p>
40.00	<p>N. 0°02' W., bet. secs. 25 and 26.</p> <p>Over level land, through dense undergrowth.</p> <p>Point for the 1/4 sec. cor. of secs. 25 and 26, at proportionate dist.; there is no remaining evidene of the cor.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T1N R24W 1/4 S26 S25 1981</p> </div> <p>Set a steel fence post alongside the cor.</p> <p>Cor. is located on the present right bank of the Colorado River, bears N. 15° E. and S. 15° W. and 40 lks. E of a graded gravel road, bears N. 15° E. and S. 15° W.</p>
70.033	<p>Angle Point No. 33, Tract 37, on the W right-of-way bdy. of the Oxbow Cut, monumented with a re-bar, 5/8 in. diam., projecting 18 ins. above the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>AP 33 TR 37 S26 S25 T1N R24W 1975</p> </div> <p>A steel fence post is S of the cor.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°02' W., beginning new measurement.</p> <p>(Restoring the 1975 resurvey by Harry K. Smith)</p>
6.847	<p>The meander cor. of secs. 25 and 26, monumented with an iron post, 2½ ins. diam., flush with surface of ground, with brass cap mkd.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 1 N., R. 24 W., Gila & Salt River Mer., Arizona

CHAINS

M C
 $\frac{S26}{T1N} \frac{S25}{R24W}$
 1961

Add the marks 1981 to the brass cap.

Set a steel fence post alongside the cor.

(Restoring the 1961 resurvey by Leonard W. Murphy)

From the 1/4 sec. cor. of secs. 24 and 25, monumented with an iron post, 2½ ins. diam., set 6 ft. below ground, with brass cap mkd.

T1N R24W
 $\frac{1}{4} \frac{S24}{S25}$
 1961

A railroad tie 2 ft. below the ground is alongside the cor.

Set a steel fence post, 6 ft. long over the cor.

S. 89°58' E., bet. secs. 24 and 25.

Over level land, through dense salt cedar.

3.167 Point for the witness point of secs. 24 and 25, on the E right-of-way bdy. of the Oxbow Cut.

Set an iron post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

W P
 T1N R24W
 $\frac{S24}{S25}$
 1981

Set a steel fence post alongside the cor.

11.523 The meander cor. of secs. 24 and 25, on the fixed and limiting bdy of the left bank of the Colorado River, which bears S. 8°21' E. and N. 18°00' W., monumented with an iron post, 2½ ins. diam., projecting 6 ins. above ground, with brass cap mkd.

T1N R24W
 $\frac{S24}{S25} \frac{MC}{1961}$

The remains of a 4 ins. sq. burnt wooden post, projecting 3½ ft. above ground is alongside the cor.

Add the marks 1981 to the brass cap.

Set a steel fence post alongside the cor.

Survey of Subdivisions in Sec. 25,
 T. 1 N., R. 24 W., Gila and Salt River Mer., Arizona

From the 1/4 sec. cor. of secs. 25 and 26.

Survey of Subdivisions in Section 25,
T. 1 N., R. 24 W., Gila & Salt River Mer., Arizona

CHAINS	
	<p>S. 89°58' E., on the E and W center line of sec. 25.</p>
	<p>Through dense salt cedar and scattered mesquite.</p>
19.75	<p>Point for the witness point of sec. 25, on the E right-of-way bdy. of the Oxbow Cut.</p>
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">W P T1N R24W S25 ——— 1981</p>
	<p>Set a steel fence post alongside the cor.</p>
	<p>From this point a railroad track rail, bears N. 66° W., 24 lks. dist., projecting 30 ins. above the ground.</p>
	<p>From this same point the witness point of secs. 24 and 25, heretofore described, on a 0°37'07" circular curve to the right, having a radius of 140.303 chs., is at a dist. of 46.568 chs. on the E right-of-way of the Oxbow Cut, the chord of said arc bears N. 30°19'26" E., 46.355 chs. dist.</p>
	<p>From this same point the witness point of secs. 25 and 36, heretofore described, on a 0°37'07" circular curve to the left, having a radius of 140.303 chs., is at a dist. of 41.106 chs. on the E right-of-way of the Oxbow Cut, the chord of said arc bears S. 12°25'20" W., 40.959 chs. dist.</p>
57.39	<p>Intersect the fixed and limiting bdy. of the left bank of the Colorado River which bears S. 8°21' E. and N. 8°21' W., not monumented.</p>
	<p>From this point Angle Point No. 3 of sec. 25, on the fixed and limiting bdy. of the left bank of the Colorado River, bears S. 8°21' E., 5.49 chs. dist., hereinafter described.</p>
	<p style="text-align: center;">Dependent Resurvey of a Portion of the Fixed and Limiting Bdy. of the Left Bank of the Colorado River, T. 1 N., R. 24 W., Gila and Salt River Mer., Arizona</p>
	<p style="text-align: center;">(Restoring the 1961 survey by Leonard W. Murphy)</p>
	<p>From the witness point of secs. 25 and 30, on the E bdy. of the Tp., described in the field notes of the dependent resurvey of the W bdy. of T. 1 N., R. 23 W., of this assignment.</p>
	<p>Thence, with the fixed and limiting bdy. of the left bank of the Colorado River.</p>
	<p>N. 58°53' W., in sec. 25.</p>
6.51	<p>Point for Angle Point No. 1, sec. 25, at proportionate dist. The monument that was set in 1961 was found lying horizontally 2 ft. under the ground.</p>

Dependent Resurvey of a Portion of the Fixed and Limiting Bdy. of the Left Bank of the Colorado River, T. 1 N., R. 24 W., Gila and Salt River Mer., Arizona

CHAINS		
	<p>Reset the iron post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T1N R24W S25 \ AP1 1961</p> <p>Add the marks 1981 to the brass cap.</p> <p>Set a steel fence post alongside the cor.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 34°51' W., beginning new measurement.</p>	
16.72	<p>Angle Point No. 2, sec. 25, monumented with an iron post, 2½ ins. diam., projecting 5 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T1N R24W S25 \ AP2 1961</p> <p>The remains of a burnt wooden post is lying alongside the iron post.</p> <p>Add 1981 to the brass cap.</p> <p>Set a steel fence post alongside the cor.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 25°15' W., beginning new measurement.</p>	
15.70	<p>Angle Point No. 3, sec. 25, monumented with an iron post, 2½ ins. diam., projecting 5 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T1N R24W S25 \ AP3 1961</p> <p>The remains of a wooden post, 4 ins. sq., projecting 4 ins. above ground is alongside the cor.</p> <p>Add the marks 1981 to the brass cap.</p> <p>Set a steel fence post alongside the cor.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 8°21' W., beginning new measurement.</p>	
5.49	<p>Intersect the E and W center line of sec. 25; no monument set.</p>	
45.95	<p>The meander cor. of secs. 24 and 25, heretofore described.</p> <hr style="width: 100%; margin-top: 10px;"/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The land encompassed in this survey is located approximately 5 miles North of Cibola, Arizona. The elevation is about 235 feet above sea level.</p>	

T. 1 N., R. 24 W., Gila and Salt River Mer., Arizona

CHAINS

The soil consists of a sandy silt, which is covered with dense vegetation, salt cedar, arrow weed and mesquite.

Access is by way of a number of graded gravel roads.

	CHAINS		
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CERTIFICATE OF SURVEY

(I) (~~Was~~) Paul L. Reeves, Cadastral Surveyor, HEREBY
 supplemental 23rd
 CERTIFY upon honor that, in pursuance of special instructions bearing date of the 12th day
 of January 81
 of November, 19 80, (I) (~~Was~~) have dependently resurveyed a portion of
 the subdivisional lines, a portion of the fixed and limiting boundary of
 the left bank of the Colorado River, and surveyed subdivisions in sec-
 tion 25, Township 1 North, Range 24 West,

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 instruc-
 tions, 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.

August 6, 1981

(Date)

Paul L. Reeves

(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Denver, Colorado

The foregoing field notes of the dependent resurvey of a portion of the sub-
 divisional lines, a portion of the fixed and limiting boundary of the
 left bank of the Colorado River, and the survey of subdivisions in sec-
 tion 25, T. 1 N., R. 24 W., Gila and Salt River Meridian, Arizona,

executed by Paul L. Reeves, Cadastral Surveyor

having been critically examined and found correct, are hereby approved.

SEP 01 1981

(Date)

ACTING

Mary S. Spang
(Chief, Cadastral Survey Examination and Approval Staff)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in
 , is a true copy of the original field notes.

(Date)

(Chief, Cadastral Survey Examination and Approval Staff)

R5139 THE END