

BOOK 5322

ORIGINAL

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R. 5322

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

SURVEY OF AN INFORMATIVE TRAVERSE IN SECTION 15

DEPENDENT RESURVEY OF THE FIXED AND LIMITING BOUNDARY

OF THE LEFT BANK OF THE ABANDONED CHANNEL

OF THE COLORADO RIVER AND

THE 1905 ADJUSTED MEANDERS IN SECTION 10,

THE SURVEY OF THE PARTITION LINE BETWEEN SECTIONS 10 AND 15

TOWNSHIP 17 NORTH, RANGE 22 WEST

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Gary D. Knoff, Cadastral Surveyor

Under Special Instructions dated June 10, 1991, approved June 10, 1991, which provided for the surveys included under Group Number 731 and assignment instructions dated June 10, 1991.

Survey commenced June 11, 1991

Survey completed June 14, 1991

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T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the survey of an informative traverse in section 15, the dependent resurvey of the fixed and limiting boundary of the left bank of the abandoned channel of the Colorado River and the 1905 adjusted meanders, in section 10, the survey of the partition line between sections 10 and 15, Township 17 North, Range 22 West, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this resurvey is as follows: the north and east boundaries, the subdivisional lines, and the meanders of the left bank of the Colorado River were surveyed by John J. Fisher, in 1905. A portion of the north boundary and a portion of the subdivisional lines were resurveyed by Paul L. Reeves, in 1980. Paul L. Reeves surveyed accretion lands, the meanders and informative traverse of the left bank of the abandoned channel of the Colorado River and the 1905 adjusted meanders in section 10, in 1982. The accretion to section 15 was surveyed by Nelson E. Myer, Registered Land Surveyor No. 4341, in 1961, and was accepted by Reeves as the partition line between sections 10 and 15 .

The purpose of this survey is to establish a partition line between sections 10 and 15, as directed by the United States Department of the Interior, Office of Hearings and Appeals, in their review of IBLA 89-209(D) in which they vacated the decision and order of the Interior Board of Land Appeals and remanded the case to BLM to execute a resurvey.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated June 10, 1991, and the Assignment Instructions dated June 10, 1991, for Group No. 731, Arizona.

Preliminary to the resurvey, the lines of the original survey were retraced and search was made for all corners and other calls of the 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 mean magnetic declination as taken from quadrangle map NEEDLES, CALIF.-ARIZ., published in 1970 and photorevised in 1975 by U.S. Geological Survey, is 14° E.

Informative Traverse, Left Bank of the
Abandoned Channel of the Colorado River, in Sec. 15,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS

This portion of Paul L. Reeves, 1982 survey of the Meanders and Informative Traverses of the Left Bank of the Abandoned Channel of the Colorado River in section 10, now functions as an informative traverse in section 15, only.

Retracing a Portion of the survey executed by
Paul L. Reeves, in 1982

Beginning at the meander cor. of secs. 10 and 15, established by Paul L. Reeves, in 1982. This point now functions as a control point on the informative traverse of the left bank of sec. 15 only, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, with brass cap mkd.

T17N R22W
S10
MC / S15
1982

Remove the brass cap from the iron post.

From this cor. point, the witness point for secs. 10 and 15, established during the 1982 survey, bears N. 31°09' E., 25.125 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, 2 ins. below ground, with brass cap mkd.

WP
T17N R22W
S10 / S15
1982

A steel fence post is near the cor.

Remove the brass cap from the iron post.

This point now functions as a point on the Nelsen E. Myer partition line.

Cor. is located 9 lks. W. of a barbed wire fence, bears NNE and SSW.

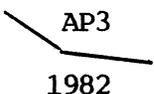
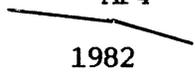
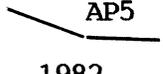
Informative Traverse, Left Bank of the
Abandoned Channel of the Colorado River, in Sec. 15,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

<p>CHAINS</p>	<p>N. 62°18' W., 3.89 chs. Point for angle point 1, at proportionate dist. In the 1982 survey this point was located in sec. 10, it now functions as an angle point on the informative traverse of sec. 15, and is no longer designated as angle point 1. Not monumented.</p> <p>N. 46°32' W., 9.17 chs. Point for the meander cor. of secs. 10 and 15, on a line normal to the left bank of the abandoned channel of the Colorado River as directed by the United States Department of the Interior, Office of Hearings and Appeals.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>From this cor. point, the SE cor. of a wood framed house, 37 x 26 ft., bears N. 45°47' W., 3.77 chs. dist., the long side bears N. 51 1/2° E.</p> <hr/> <p style="text-align: center;">Dependent Resurvey of the Fixed and Limiting Boundary, The Left Bank of the Abandoned Channel Of the Colorado River, in Sec. 10, T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p style="text-align: center;">Restoring a Portion of the Survey executed by Paul L. Reeves, in 1982</p> <hr/> <p>From the meander cor. of secs. 10 and 15, hereinbefore described.</p>
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Dependent Resurvey of the Fixed and Limiting Boundary, the Left Bank
of the Abandoned Channel of the Colorado River, in Sec. 10,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>N. 46°32' W., 6.70 chs. Angle point 2, (angle point 1 now falls in sec. 15), monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, with brass cap mkd., T17N R22W S10 AP2 1990 1982.</p> <p>Brass cap now mkd.</p> <p style="text-align: center;">T17N R22W S10 AP2 1991 1982</p> <p>Cor. was rehabilitated during a 1990 survey (cancelled).</p> <p>from which the bearing objects of record.</p> <p>A dead mesquite, 8 ins. diam., bears N. 25 1/4° W., 38 lks. dist., mkd. AP2 S10 BT. (Record: N. 22 1/2° W., 34.5 lks. dist.). The bearing tree was disturbed by flood waters in 1984 and is now leaning.</p> <p>A Bureau of Reclamation elevation bench mark bears N. 79° W., 48 lks. dist., monumented with an iron post, 2 1/2 ins. diam., in concrete, projecting 4 ins. above ground, with brass cap mkd. M 13 423 V 306 M 66 ELEV. 472 FT. ABOVE MEAN SEA LEVEL.</p> <p>A steel fence post is near the cor.</p>

Dependent Resurvey of the Fixed and Limiting Boundary, the Left Bank
of the Abandoned Channel of the Colorado River, in Sec. 10,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS	
N. 46°20' W., 2.36 chs.	<p>Angle point 3, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T17N R22W S10 AP3</p>  <p style="text-align: center;">1982</p> <p>A steel fence post is near the cor.</p>
N. 27°20' W., 5.34 chs.	<p>Angle point 4, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T17N R22W S10 AP4</p>  <p style="text-align: center;">1982</p> <p>from which the 1982 bearing tree</p> <p style="text-align: center;">A mesquite, 10 ins. diam., bears N. 69° E., 34.5 lks. dist., mkd. AP4 S10 BT. (Record: N. 64° E.)</p> <p>A steel fence post is near the cor.</p>
N. 43°14' W., 22.33 chs.	<p>Angle point 5, monumented with an iron post, 2 1/2 ins. diam., firmly set, 14 ins. below ground, with brass cap mkd.</p> <p style="text-align: center;">T17N R22W S10 AP5</p>  <p style="text-align: center;">1982</p> <p>from which the 1982 bearing tree</p> <p style="text-align: center;">A mesquite, 8 ins. diam., bears N. 3 3/4° E., 43.5 lks. dist., mkd. AP5 S10 BT. (Record: N. 2° E.)</p>

Dependent Resurvey of the Fixed and Limiting Boundary, the Left Bank of the Abandoned Channel of the Colorado River, in Sec. 10, T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

<p>CHAINS</p>	<p>Cor. is located in the southerly edge of a track road, bears NE and SW.</p> <p>N. 40°54' W., 3.63 chs. The meander cor. of secs. 9 and 10, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T17N R22W S9 MC \ S10 1982</p> </div> <p>from which the 1982 bearing tree</p> <p>A mesquite, 13 ins. diam., bears N. 85 1/2° E., 40 lks. dist., mkd. T17N R22W S10 MC BT. (Record: N. 83° E.)</p> <p>A steel fence post is near the cor.</p> <hr/> <p style="text-align: center;">The 1905 Adjusted Meanders in Section 10, T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p style="text-align: center;">Restoring the survey executed by Paul L. Reeves, in 1982</p> <hr/> <p>From the record meander cor. of secs. 10 and 15, designated as a witness point in 1980, monumented with an iron post, 2 1/2 ins. diam., firmly set, 3 ins. below ground, in a 6 in. base of concrete, with brass cap mkd.</p> <div style="text-align: center;"> <p>T17N WP S10</p> <hr style="width: 20%; margin: 0 auto;"/> <p>S15 R22W 1962 80</p> </div>
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The 1905 Adjusted Meanders in Sec. 10,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS

from which the reference monument of record

An iron post, 2 1/2 ins. diam., firmly set, 5 ins. below the ground, bears S. 70° E., 155 lks. dist., with brass cap mkd. T17N R22W RM S15 102.3 FT. 1980, and an arrow pointing to the cor. Reference monument is located alongside a street sign.

Add the marks 1991 to the brass cap.

And a new bearing object

A water pipe, 2 ins. diam., firmly set, projecting 6 ins. above ground, bears N. 62 3/4° E., 158 lks. dist., with pipe cap mkd. 1 1/4. A fence post with a sign attached and mkd. MVID is alongside.

From this cor. point, the NW cor. of a garage, bears S. 39°01' W., 4.22 chs. dist., the long side bears S. 49° W.

Cor. is located at the N. edge of an E. and W. graded gravel road.

N. 38°14' W., 2.39 chs. dist.

N. 40°44' W., 15.15 chs. dist.

N. 43°00' W., 3.49 chs. dist.

N. 37°58' W., 1.895 chs. dist.

N. 31°27' W., 5.19 chs. dist.

The 1905 Adjusted Meanders in Sec. 10,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>N. 21°52' W., 3.50 chs. dist.</p> <p style="text-align: right;">The record meander cor. of secs. 9 and 10, designated as a witness point in 1980, monumented with an aluminum post, 1 in. diam., firmly set, 10 ins. below the ground, on the W. side of a N. and S. graded dirt road. The marks on the aluminum cap are illegible.</p> <hr/> <p style="text-align: center;">Survey of the Partition Line Between Sections 10 and 15, T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the witness point of secs. 10 and 15, hereinbefore described.</p> <p>S. 43°28' W., over accretion land, on an extension of the line bet. secs. 10 and 15.</p> <p>Over level bottom land, through dense salt cedar and mesquite.</p> <p>0.34 Graded gravel road, 42 lks. wide, bears E. and W.</p> <p>5.93 Woven wire fence, bears NE and SW.</p> <p>24.54 Woven wire fence, bears N. and S.</p> <p>35.00 Point selected for a witness point bet. secs. 10 and 15.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>WP T17N R22W S10 / S15 1991</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post near the cor.</p>
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Survey of the Partition Line Between Sections 10 and 15,
T. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona

<p>CHAINS</p> <p>53.51</p> <p>53.58</p> <p>53.88</p> <p>60.21</p>	<p>Barbed wire fence, 2 strand, bears SE and NW.</p> <p>Power line, bears SE and NW.</p> <p>Graded gravel road, 40 lks. wide, bears SE and NW.</p> <p>The meander cor. of secs. 10 and 15, hereinbefore described.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The land encompassed in this survey is located just east of Needles, California, and the Colorado River, in the Mohave Valley. The elevation is approximately 475 ft. above sea level.</p> <p>The soil consists of a sandy loam of which is covered with dense brush, salt cedar, and mesquite.</p> <p>Access is by way of a levee road and a number of improved graded gravel roads.</p> <p>The mean magnetic declination is 14° E.</p> <hr/>
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Gordon R. Babel, Jr.	Surveying Technician
Jeffrey P. Johnson	Land Surveyor (In Training)

CERTIFICATE OF SURVEY

I, Gary D. Knoff, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 10th day of June, 1991, I have surveyed an informative traverse in section 15, dependently resurveyed the fixed and limiting boundary of the left bank of the abandoned channel of the Colorado River and the 1905 adjusted meanders, in section 10, and the survey of the partition line between sections 10 and 15 of Township 17 North, Range 22 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 and under my 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.

6-27-1991

(Date)

Gary D. Knoff

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the survey of an informative traverse in section 15, the dependent resurvey of the fixed and limiting boundary of the left bank of the Colorado River and the 1905 adjusted meanders, in section 10, and the survey of the partition line between sections 10 and 15 of Township 17 North, Range 22 West, Gila and Salt River Meridian, Arizona, executed by Gary D. Knoff, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

JUN 28 1991

(Date)

James P. Kelley

(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. 17 N., R. 22 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~