

ORIGINAL

1 BOOK 5323

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

DEPENDENT RESURVEY OF

A PORTION OF THE SUBDIVISIONAL LINES

AND

THE ADJUSTED 1962 MEANDERS OF THE LEFT BANK

OF THE COLORADO RIVER

IN SECTION 28

OF FRACTIONAL TOWNSHIP 11 NORTH, RANGE 18 WEST,

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

EXECUTED BY

Gary D. Knoff, Cadastral Surveyor

Under Special Instructions dated January 30, 1991, approved January 30, 1991, which provided for the surveys included under Group Number 728 and assignment instructions dated January 30, 1991.

Survey commenced February 13, 1991

Survey completed February 25, 1991

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T. 11 N., R. 18 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes are those of a dependent resurvey of a portion of the subdivisional lines and the adjusted 1962 meanders of the left bank of the Colorado River in section 28, of fractional Township 11 North, Range 18 West, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this resurvey is as follows: The township boundaries, the subdivisional lines, and the meanders of the left bank of the Colorado River through the township were surveyed by Alexander T. Harris and John Gonin, in 1915. A portion of the south boundary, a portion of the subdivisional lines and a portion of the meanders of the left bank of the Colorado River were resurveyed by Eldon W. Sibley, in 1962.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated January 30, 1991, and the Assignment Instructions dated January 30, 1991, for Group No. 728, 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. Identified corners were remonumented in their original positions; 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 purpose of this survey was to verify whether or not a trespass exists on the line between secs. 27 and 28.

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 witness 1/4 section corner of sections 27 and 28, as determined from a tie made to U.S. Coast and Geodetic Survey triangulation station "Eureka", located in the NE quarter of section 9, Township 2 North, Range 27 East, San Bernardino Meridian, California, is as follows:

NAD 27 Latitude: 34°16'01.81" N. Longitude: 114°07'51.62" W.

The mean magnetic declination as taken from quadrangle map Gene Wash, CALIF.-ARIZ., published in 1959 and photorevised in 1975 by the U.S. Geological Survey is 14° E.

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Dependent Resurvey, Portion of the Subdivisional Lines,
T. 11 N., R. 18. W., Gila and Salt River Meridian, Arizona

CHAINS	<p style="text-align: center;">Restoring the resurvey executed by Eldon W. Sibley, in 1962</p> <hr/> <p>Beginning at the cor. of secs. 21, 22, 27, and 28, monumented with an iron post, 2 ins. diam., firmly set, projecting 6 ins. above ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">T11N R18W</td> </tr> <tr> <td style="text-align: center;">S21</td> <td style="text-align: center;">S22</td> </tr> <tr> <td style="border-top: 1px solid black; text-align: center;">S28</td> <td style="border-top: 1px solid black; text-align: center;">S27</td> </tr> <tr> <td colspan="2" style="text-align: center;">1915</td> </tr> </table> <p>S. 0°10' E., bet. secs. 27 and 28.</p> <p>Over broken land, through light creosote and cacti.</p> <p>0.70 Power line, bears NNE.</p> <p>4.50 Spur, slopes WSW.</p> <p>7.48 Center of Arizona Highway 95, pavement, 50 lks. wide, bears NNE and SSW.</p> <p>14.95 Spur, slopes W.</p> <p>37.70 Top of ridge, bears SE and NW, desc. 80 ft. over S. slope.</p> <p>39.94 Point for the 1/4 sec. cor. of secs. 27 and 28, at proportionate dist., falls on a small ledge where it is impracticable to establish a permanent monument.</p> <p>40.14 The witness cor. to the 1/4 sec. cor. of secs. 27 and 28, monumented with an iron post, 1 in. diam., cemented in a concrete cylinder, 6 ins. diam., projecting 14 ins. above ground, with brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">1/4</td> </tr> <tr> <td style="text-align: center;">S28</td> <td style="text-align: center;">S27</td> </tr> <tr> <td colspan="2" style="text-align: center;">WC</td> </tr> <tr> <td colspan="2" style="text-align: center;">1915</td> </tr> </table>	T11N R18W		S21	S22	S28	S27	1915		1/4		S28	S27	WC		1915	
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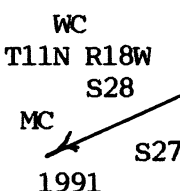
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Dependent Resurvey, Portion of the Subdivisional Lines,
T. 11 N., R. 18. W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From this cor. point, U.S. Coast and Geodetic Survey triangulation station "EUREKA 1964," with published latitude of 34°16'37.145" N. and longitude of 114°08'37.541" W., NAD27, bears N. 47°10'11" W. (forward bearing), 79.620 chs. dist., monumented with a standard brass disk, 3 1/2 ins. diam., cemented flush with the surface of rock outcrop, with top of disk mkd. EUREKA 1964 and a triangle.</p> <hr/> <p>S. 0°10' E., beginning new measurement.</p>
2.92	Center of Arizona Highway 95, pavement, 50 lks. wide, bears SSE and NNW.
4.00	<p>Point for a witness point on line bet. secs. 27 and 28.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over a steel fence post, 5 1/2 ft. long, set in concrete, with brass cap mkd.</p> <p style="text-align: center;">WP T11N R18W S28 S27 1991</p> <p>From this cor. point, a monument, set flush in concrete cylinder, 6 ins. diam., projecting 3 ins. above ground, on steep W. slope, with 3 in. brass cap mkd. ARIZONA HIGHWAY DEPT ELEV. STA. + 19, bears N. 0°08' W., 254 lks. dist.</p> <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>
5.66	Intersect the north side of a duplex, a wood frame, stucco building, 42 x 28 ft., the NW cor. bears S. 84 1/2° W., 16 lks. dist., the long side bears N. 84 1/2° E.
5.75	Point for a witness point of secs. 27 and 28 established in 1962, at record dist.; there is no remaining evidence of the witness point or the accessory. Cor. point falls beneath a duplex where it is impracticable to establish a permanent monument.

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Dependent Resurvey, Portion of the Subdivisional Lines,
T. 11 N., R. 18. W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From this cor. point, a rebar, 1/2 in. diam., firmly set, projecting 7 ins. above ground, with a 3 1/2 in. aluminum cap stamped B.L.M. PROJECT NO. T. R. SEC. 19, bears N. 1° E., 19 lks. dist.</p> <hr/> <p>S. 56°57' W., on a projection of the line bet. secs. 27 and 28, over accreted lands, beginning new measurement.</p>
0.175	Intersect the West side of the same duplex, the NW cor. bears N. 5 1/2° W., 17 lks. dist., the long side bears N. 84 1/2° E.
0.305	Intersect a stairways to a wood deck, 14 x 8 ft., the NW cor. bears N. 5 1/2° W., 22 lks. dist., the long side bears S. 5 1/2° E.
0.51	Intersect a cinder block wall, 8 ins. wide, 5 ft. high, the northerly cor. bears N. 26 1/2° W., 36 lks. dist.
0.52	Intersect a concrete sidewalk, 7 1/2 ft. wide, the NE cor. bears N. 26 1/2° W., 36 lks. dist.
0.54	<p>Point for the witness meander cor. of secs. 27 and 28, at record dist.; there is no remaining evidence of the original cor.</p> <p>Set a brass tablet, 3 1/4 ins. diam., 3 1/2 ins. stem, in a drill hole, cemented in place, in concrete sidewalk, with top mkd.</p> <div style="text-align: center;">  <p>WC T11N R18W S28 MC ← S27 1991</p> </div> <p>from which</p> <p>An X chiseled on the NW cor. of concrete sidewalk, bears N. 42 1/4° W., 37 lks. dist.</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the brass tablet.</p> <p>From this cor. point, a rebar, 1/2 in. diam., firmly set, projecting 13 ins. above ground, with a 3 1/2 in. aluminum cap stamped B.L.M. PROJECT NO. T. R. SEC. 19, bears S. 31 3/4° E., 87 1/2 lks. dist.</p>

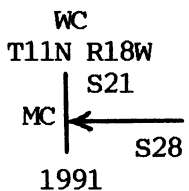
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Dependent Resurvey, Portion of the Subdivisional Lines,
T. 11 N., R. 18. W., Gila and Salt River Meridian, Arizona

CHAINS	
	From this same cor. point, a rebar, 1/2 in. diam., firmly set, projecting 6 ins. above ground, in a mound of stone, 2 ft. base, to top, with a 3 1/2 in. aluminum cap stamped B.L.M. PROJECT NO. T. R. SEC. 19, bears N. 30 1/2° W., 56 lks. dist.
0.64	Intersect a concrete sidewalk, 7 1/2 ft. wide, the NW cor. bears N. 26 1/2° W., 37 lks. dist.
0.74	Present left bank of the Colorado River, bears SSE. and NNW.
0.87	Point for the meander cor. of secs. 27 and 28, at record dist, falls in the Colorado River. This point is not monumented.
	<hr/> <p>From the cor. of secs. 21, 22, 27, and 28. N. 89°59' W., bet. secs. 21 and 28. Over broken land, through light creosote and cacti.</p>
2.00	Ridge, bears N. and S.
13.75	Enter bottom land.
15.44	The witness point of secs. 21 and 28, monumented with an iron post, 18 ins. long, 1 1/4 ins. diam., firmly set, 1 in. below ground, with broken green glass around iron post, unknown origin. This is accepted as a careful and faithful perpetuation of the position of the original cor. position.
	<p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, over a steel fence post, 5 1/2 ft. long, in concrete, with brass cap mkd.</p> <div style="text-align: center;"> <p>WP T11N R18W S21 — S28 1991</p> </div>
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.

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Dependent Resurvey, Portion of the Subdivisional Lines,
T. 11 N., R. 18. W., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit the iron post alongside the stainless steel post.
	Set a steel fence post near the cor.
	<hr/> <p>S. 78°23' W., on line bet. secs. 21 and 28, over accreted lands, beginning new measurement.</p>
0.68	Top of steep bank, bears SSE and NNW.
0.91	Point for the witness meander cor. of secs. 21 and 28, at record dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, over a steel fence post, 5 1/2 ft. long, with brass cap mkd.
	<div style="text-align: center;">  <p>WC T11N R18W S21 MC ← S28 1991</p> </div>
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
	Set a steel fence post near the cor.
1.15	Present left bank of the Colorado River, bears SSE. and NNW.
1.24	Point for the meander cor. of secs. 21 and 28, at record dist. This point is not monumented.
	<hr/> <p style="text-align: center;">Adjusted Meanders in Section 28, T. 11 N., R. 18 W., Gila and Salt River Meridian, Arizona</p> <hr/>
	<p style="text-align: center;">Restoring the survey executed by Eldon W. Sibley, in 1962</p> <hr/>
	From the point for the meander cor. of secs. 27 and 28, hereinbefore described..
	Up stream, with the adjusted meanders of the 1962 resurvey of the left bank of the Colorado River.

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Adjusted Meanders in Section 28,
T. 11 N., R. 18. W., Gila and Salt River Meridian, Arizona

CHAINS	<p>N. 32°59' W., 7.87 chs.</p> <p>N. 18°16' W., 5.75 chs.</p> <p>N. 12°08' W., 1.93 chs.</p> <p>N. 23°39' W., 0.43 chs.</p> <p>N. 19°22' W., 1.54 chs.</p> <p>N. 29°05' W., 5.21 chs.</p> <p>N. 32°47' W., 3.42 chs.</p> <p>N. 26°08' W., 5.83 chs.</p> <p>N. 23°59' W., 4.72 chs.</p> <p>N. 7°11' E., 4.92 chs.</p> <p>N. 2°40' W., 4.19 chs.</p> <p>N. 4°00' W., 3.31 chs.</p> <p>N. 11°38' W., 1.00 chs.</p> <p style="text-align: right;">Point for the meander cor. of secs. 21 and 28, hereinbefore described..</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The land encompassed in this survey is located approximately 1 1/2 miles SSE of Parker Dam on the Arizona-California state line. Elevations range from 400 to 500 ft. above sea level.</p> <p>The soil consists of rocky and sandy loam. Vegetation consists of mesquite, creosote, and various cacti.</p> <p>Access is by way of Arizona State Highway 95 and a few 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. Bubel, Jr.	Surveying Technician
Ted E. Cazier	Surveying Aid

CERTIFICATE OF SURVEY

I, Gary D. Knoff, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 30th day of January, 1991, I have executed a dependent resurvey of a portion of the subdivisional lines and the adjusted 1962 meanders of the left bank of the Colorado River of fractional Township 11 North, Range 18 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.

6/10/1991

(Date)

Gary D. Knoff

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines and the adjusted 1962 meanders of the left bank of the Colorado River of fractional Township 11 North, Range 18 West, Gila and Salt River Meridian, Arizona, executed by Gary D. Knoff, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

JUL 10 1991

(Date)

Jimmy H. Telford
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. 11 N., R. 18 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

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