

FIELD NOTES

01

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE RANGE LINE BETWEEN

TOWNSHIPS 8 SOUTH, RANGES 22 AND 23 WEST,

(EAST BOUNDARY, TOWNSHIP 8 SOUTH, RANGE 23 WEST)

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

HARRY K. SMITH, SUPERVISORY CADASTRAL SURVEYOR

Under special instructions dated DECEMBER 14, 19 81, approved DECEMBER 14, 1981,

, which provided for the surveys included under U.S. Survey/Group
Number 627, and assignment instructions dated DECEMBER 14, 19 81.

Survey commenced DECEMBER 15, 19 81

Survey completed DECEMBER 16, 19 81

INDEX DIAGRAM

Township 8 South, Range 23 West

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

T. 8 S., R. 23 W., Gila and Salt River Mer., Arizona

CHAINS

Township 8 South, Range 23 West was surveyed by T. F. White in 1874. Retracement surveys were executed by John L. Warboys in 1928 and 1929. In 1949, Q. R. Campbell re-surveyed and surveyed a portion of the township including the 1920 position of the left bank of the Colorado River. Donald Cannon, Gerald Pittman and Leonard Murphy performed a limited dependent resurvey and accretion survey in 1960, 1961, and 1962. In 1964, Lester Mann retraced a portion of the township.

This resurvey was ordered by the Director, Bureau of Land Management, by memorandum dated October 29, 1981, pursuant to instructions from the Secretary of the Interior, which stated that the following action be taken:

1. Suspend in whole or in part, to the extent necessary, the 1962 dependent resurvey and accretion survey of T. 8 S., R. 23 W., Gila and Salt River Meridian, commonly referred to as Yuma Island.
2. Execute a new resurvey of the portion of the township in dispute without regard to the rule in Madison v. Basart, 59 Interior Dec. 415 (1947).

Surveys executed by John L. Warboys in 1928-29, indicated the Colorado River on June 8, 1920, made an avulsive change, abandoning its channel and creating a new one. With this action, the abandoned channel became a fixed and limiting boundary, with accreted land between the 1874 survey and the left bank of the abandoned channel to be divided proportionately among the upland lots as shown on the plats of Townships 8 South, Ranges 22 and 23 West, approved May 18, 1874, and April 18, 1874, respectively. The division of accretion by the apportionment method northerly from the meander corner set on the range line in 1874, to the abandoned river channel follows very closely the range line as surveyed in 1949 and resurveyed in 1960-62; therefore, the State of Arizona and the Bureau of Land Management have agreed that the range line represents an equitable division of the accretion in the Yuma Island area.

The State of Arizona has requested that existing survey monuments set in previous surveys which are now located on the accreted land referring to Township 8 South, Range 23 West, not be removed or the markings altered. These monuments no longer function as official Federal Government survey corners but remain in place for future reference by the State.

The following field notes describe the dependent resurvey of a portion of the range line between Townships 8 South, Ranges 22 and 23 West, of the Gila and Salt River Meridian, Arizona.

The survey was executed in accordance with specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 627, Arizona, dated December 14, 1981.

The directions of lines were determined from U.S. Geological Survey Triangulation Station POLE, 1964, and refer to the true meridian. Distances were measured with a Zeiss SM-4 electronic instrument.

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T. 8 S., R. 23 W., Gila and Salt River, Mer., Arizona

CHAINS

Preliminary to the resurvey the lines of previous surveys were retraced and search was made for all corners and other calls of the record. All but one of the corners in this resurvey were recovered and in acceptable condition. The lost corner was restored and monumented at proportionate distance based on the latest official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The geographic position of the corner of sections 7, 12, 13 and 18, Townships 8 South, Ranges 22 and 23 West, identical with BDRY. PT. NO. 24 GLO ARIZ-CALIF, as published by the U.S. Coast and Geodetic Survey is as follows:

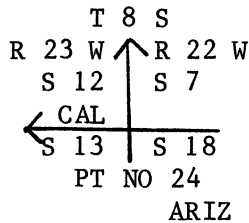
Latitude 32°44'32.51389" N Longitude 114°33'49.32668" W

The mean magnetic declination is 14°30' E.

Dependent Resurvey of a Portion of the Range Line
Between Tps. 8 S., Rs. 22 and 23 W., Gila and Salt River
Meridian, Arizona

(Restoring the 1960-62 resurvey by Donald Cannon, Gerald Pittman and Leonard Murphy)

From the cor. of secs. 7, 12, 13 and 18, Tps. 8 S., Rs. 22 and 23 W., identical with Point No. 24 on the Arizona-California State Line, as established in 1964 by Lester S. Mann, monumented with an iron post, 3 ins. diam. set flush with the ground in concrete, with brass cap mkd.



1964
1949

The cor. is 20 lks. W of a N-S dirt road.

The cor. is also 2.5 lks. SW of a power pole.

From the cor. U.S.G.S. triangulation station POLE, 1964, bears N. 61°59'43" W., 26.26 ft. dist., monumented with a brass disc, 3 1/4 ins. diam., set in concrete flush with the ground.

N. 0°01' W., bet. secs. 7 and 12, identical with the Arizona-California State Line.

Along the E edge of a cultivated field, under a N-S power line.

18.80 Dirt road, extends W bet. cultivated fields.

19.01 The meander cor. of secs. 7 and 12, set in 1949 by Q. R. Campbell, at record dist., on the left bank of the Colorado River as it existed in 1874, monumented with an iron post, 3 ins. diam., set in concrete, 15 ins. under the ground, with brass cap mkd.

Dependent Resurvey of the Range Line Between
Tps. 8 S., Rs. 22 & 23 W., Gila and Salt River Mer., Arizona

CHAINS	
	<div style="text-align: center;"> <p>T 8 S S 12 R 23 W AP 1 S 7 R 22 W 1949</p> </div> <p>from which</p> <p>A railroad tie projecting 4 ft. above ground, bears North, 2 lks. dist.</p> <p>A railroad rail, 5 ft. long, found lying alongside the cor. is reset 2 ft. in the ground, north of the cor.</p> <p>The cor. is under a N-S power line and 20 lks. W of a dirt road bearing N and S.</p> <hr/> <p>N. 0°01' W., beginning new measurement, on the W bdy. of sec. 7, T. 8 S., R. 22 W., identical with the Arizona-California State Line.</p> <p>Over lands formed since the original survey which are now under cultivation.</p> <p>20.99 The 1/4 sec. cor. of sec. 7 only, T. 8 S., R. 22 W., identical with Point No., 23 on the Arizona-California State Line, as established in 1964 by Lester S. Mann, monument with an iron post, 2 ins. diam., set in concrete, projecting 4 ins. above ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>1/4 CAL S 12 → S 7 ↓ ARIZ PT NO 23 1964 1949</p> </div> <p>The cor. is at the E edge of a cultivated field, under a N-S power line, and 20 lks. W of a dirt road bearing N and S.</p> <p>At this point, the Arizona-California State Line extends easterly.</p> <hr/> <p>N. 0°01' W., beginning new measurement.</p> <p>7.50 A road junction, bears East, approximately 20 lks. dist.; roads extend E, S and W.</p> <p>40.04 Point for the cor. of secs. 6 and 7 only, T. 8 S., R. 22 W., at proportionate dist.; the original monument has been plowed out. Broken brown glass was found at this point, 24 ins. under the ground.</p> <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 54 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 8 S R 23 W R 22 W S 1 S 6 S 12 S 7 1981</p> </div>

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Dependent Resurvey of the Range Line Between
Tps. 8 S., Rs. 22 & 23 W., Gila and Salt River Mer., Arizona

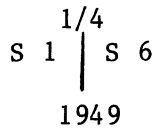
CHAINS

The cor. is located in a cultivated field.

N. 0°01' E., on the W bdy., of sec. 6, T. 8 S., R. 22 W.

Topography is virtually unchanged since the 1960-62 resurvey and is omitted from these notes.

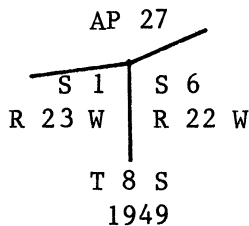
40.02 The 1/4 sec. cor. of sec. 6 only, T. 8 S., R. 22 W., monumented with an iron post, 2 ins. diam., set in concrete, 10 ins. under ground, with brass cap mkd.



From the cor., a fence cor., bears northeasterly, 3 lks. dist.; abandoned fences extend N and E.

North, beginning new measurement.

29.32 The meander cor. of sec. 6 only, T. 8 S., R. 22 W., identical with Angle Point No. 27, established in 1949 on the left bank of the Colorado River as it existed in 1920, before being abandoned, monumented with an iron post, 3 ins. diam., set in concrete, projecting 6 ins. above ground, with brass cap mkd.

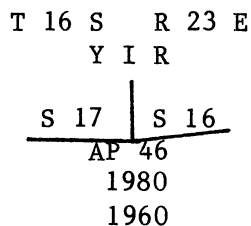


from which

A fence cor., bears S. 34° E., 4 lks. dist.;
abandoned fences extend easterly and southerly.

A railroad rail, projecting 4 1/2 ft. above ground,
bears South, 2.5 lks. dist.

From this cor., the cor. of secs. 16 and 17, T. 16 S., R. 23 E., San Bernadeno Meridian, California, identical with Angle Point No. 46, on the right bank of the Colorado River as it existed in 1920 before being abandoned, bears N. 0°30' W., 16.17 chs. dist., monumented with an iron post, 2 1/2 ins. diam., set flush with the ground, with brass cap mkd.



T. 8 S., R. 23 W., Gila and Salt River Mer., Arizona

CHAINS	
	<p data-bbox="805 338 1109 365" style="text-align: center;">GENERAL DESCRIPTION</p> <p data-bbox="483 400 1414 494">The area resurveyed lies about 3 miles northeast of Yuma, Arizona. The average elevation is about 135 feet above sea level.</p> <p data-bbox="483 532 1390 599">The area is all bottom land, most of which is cultivated. Dirt roads provide access to the area surveyed.</p> <p data-bbox="483 626 1198 666">The mean magnetic declination is 14°30' East.</p>

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CERTIFICATE OF SURVEY

(I) ~~was~~, Harry K. Smith, Supervisory Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 14th day of December, 19 81, (I) ~~was~~ have dependently resurveyed a portion of the range line between Townships 8 South, Ranges 22 and 23 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 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.

February 3, 1982
(Date)

Harry K. Smith
Supervisory (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 range line between Ts. 8 S., Rs. 22 and 23 W., of the Gila and Salt River Meridian, Arizona,

executed by Harry K. Smith, Supervisory Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

04 FEB 1982
(Date)

Mary S. Sperry
ACTING (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)~~