

ORIGINAL

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF
A PORTION OF THE COLORADO RIVER INDIAN RESERVATION BOUNDARY
PORTIONS OF THE WEST AND NORTH BOUNDARIES
AND
A PORTION OF THE SUBDIVISIONAL LINES
TOWNSHIP 3 NORTH, RANGE 20 WEST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Gordon R. Bubel, Cadastral Surveyor

Under Special Instructions dated January 10, 2008, approved January 10, 2008, which provided for the surveys included under Group No. 1034, and assignment instructions dated January 10, 2008.

Survey commenced January 14, 2008

Survey completed March 20, 2008

INDEX DIAGRAM

TOWNSHIP 3 NORTH RANGE 20 WEST
 GILA AND SALT RIVER MERIDIAN, ARIZONA

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

Dependent Resurvey of a Portion of the
 Colorado River Indian Reservation Boundary Pages 4-6

T. 3 N., R. 20 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the Colorado River Indian Reservation boundary, portions of the west and north boundaries and a portion of the subdivisional lines, Township 3 North, Range 20 West, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this survey is as follows:

In 1875, Chandler Robbins surveyed the Colorado River Indian Reservation, in accordance with an Executive Order, dated November 16, 1874.

In 1912, Guy P. Harrington surveyed the Colorado River Indian Reservation, as described in the letter from the General Land Office Commissioner, titled "Boundary lines, Colorado River Indian Reservation, Arizona and California", dated January 22, 1912. Harrington in 1912, also surveyed a portion of the north and west boundaries, and the subdivisional lines within the Colorado River Indian Reservation. The portion of the Colorado River Indian Reservation within the township, was extinguished via Executive Order No. 2273, dated November 22, 1915.

Ty White and Claude F. Warner, completed the survey of the north boundary of the township in 1950-51.

Donald E. Harding and Fred R. Chappell, completed the survey of the west boundary of the township in 1954.

Public Law 109-47, dated August 2, 2005, restored the boundary of the Colorado River Indian Reservation as surveyed by Harrington in 1912.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated January 10, 2008, for Group Number 1034, Arizona.

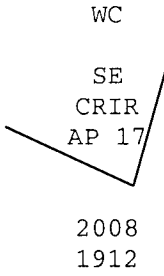
The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 5700 model receivers.

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

T. 3 N., R. 20 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Geodetic control was derived from first order U. S. Geological Survey triangulation station EHRENBURG, as published by the National Geodetic Survey, NAD 83 (1992). The geographic position of Angle Point 17, is as follows:</p> <p>Latitude: 33°35'37.13" N. Longitude: 114°21'59.96" W.</p> <p>The mean magnetic declination is 12° E.</p> <hr/> <p style="text-align: center;">Dependent Resurvey of a Portion of the Colorado River Indian Reservation Boundary in T. 3 N., R. 20 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p style="text-align: center;">Restoring the resurvey executed by Guy P. Harrington, in 1912</p> <hr/> <p>Beginning at the closing cor. of secs. 13 and 18, from the north on the W. bdy. of the Tp., hereinafter described.</p> <p>From this cor. point, Mile Post 8, of the Colorado River Indian Reservation bdy. (hereinafter CRIR bdy.), located in sec. 13, T. 3 N., R. 21 W., bears N. 53°27' W., 1.46 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. CRIR MP8 PL 2008 1912.</p> <p>S. 53°27' E., on a portion of the 9th mile of the CRIR bdy., in LaPaz Arroyo.</p> <p>3.81 The closing cor. of sec. 13 and 18, from the S. on the W. bdy. of the Tp., hereinafter described.</p> <p>31.20 Angle Point 16, of the CRIR bdy., monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above ground, with a scattered mound of stone to the WNW, with brass cap mkd. CRIR AP16 PL 1912.</p> <p>Add the marks 2008 to the brass cap, and bury a magnet, in a white plastic case, 12 ins. in the ground, nearby and N. of the iron post.</p> <p>Destroy the accessory mound of stone and erect a mound of stone, 3 ft. base, 1 ft. high, around iron post.</p> <hr/> <p>S. 65°00' E., beginning new measurement, continuing on the 9th mile of the CRIR bdy.</p>

**Dependent Resurvey of a Portion of the
Colorado River Indian Reservation Boundary in
T. 3 N., R. 20 W., Gila and Salt River Meridian, Arizona**

CHAINS	
6.03	<p>The SE cor. of the CRIR, identical with angle point 17, as established by Chandler Robbins in 1875, and accepted by Harrington. Monumented with a granite boulder, 60 x 40 x 36 ins. high, mkd. C R I R on the N. face, 1875 on the E. face, and 8.93 MS on the W. face, with a granite stone, 8 x 8 x 12 ins., mkd. J.W. Sipe, set atop the boulder. An iron post, 3 ins. diam., firmly set, projecting 30 ins. above ground, in a mound of stone, 5 ft. base, 1 1/2 ft. high, with brass cap mkd. SE CRIR 1912, for a witness cor., is set alongside and to the NW of the boulder.</p> <p>Remark the brass cap to read:</p> <div style="text-align: center;">  <p style="margin-left: 100px;">WC</p> <p style="margin-left: 100px;">SE CRIR AP 17</p> <p style="margin-left: 100px;">2008 1912</p> </div> <p>Cor. is located on W. facing slope above LaPaz Arroyo.</p> <p>From this cor. point, U.S.G.S First order triangulation station EHRENBURG 1935, bears N. 84°40' W. 574.65 chs. dist., monumented with a brass disk, 4 ins. diam., cemented in a conglomerate outcropping, with top marked EHRENBURG and a triangle.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 1°58' E., beginning new measurement, continuing on the 9th mile of the CRIR bdy.</p> <p>Ascending over mountainous land, departing LaPaz Arroyo.</p>
41.39	<p>Mile Post 9, of the CRIR bdy., monumented with an iron post, 1 in. diam., firmly set, projecting 18 ins. above ground, with a mound of stone, 3 ft. base, 2 ft. high to the S., with brass cap mkd. CRIR MP9 PL 1912.</p> <p>Add the marks 2008 to the brass cap.</p> <p>Destroy the accessory mound of stone and erect a mound of stone, 5 ft. base, to top, around iron post.</p> <p>Cor. is located in the bottom of an unnamed arroyo, 40 lks. E. of the center of a wash, 4 ft. deep, 25 ft. wide, drains SSW.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 1°23' E., beginning new measurement, on the 10th mile of the CRIR bdy.</p>

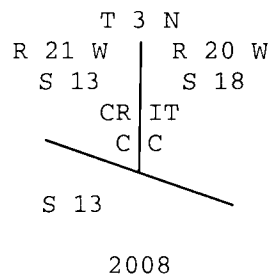
**Dependent Resurvey of a Portion of the
Colorado River Indian Reservation Boundary in
T. 3 N., R. 20 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	Ascending over mountainous lands.
34.28	The closing cor. of secs. 7 and 18, hereinafter described.
80.80	Mile Post 10, of the CRIR bdy., monumented with an iron post, 1 in. diam., firmly set, projecting 30 ins. above ground, in a supporting mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd. MP10 CRIR PL 1912.
	Add the marks 2008 to the brass cap.
	Cor. is located on steep W. facing slope.
	<hr/>
	N. 1°33' E., beginning new measurement, on the 11th mile of the CRIR bdy.
	Over mountainous land.
33.00	The closing cor. of secs. 6 and 7, hereinafter described.
79.29	Mile Post 11, of the CRIR bdy., monumented with an iron post, 1 in. diam., firmly set, projecting 30 ins. above ground, in a supporting mound of stone, 3 ft. base, 1 ft. high, with brass cap mkd. MP11 CRIR PL 1912.
	Add the marks 2008 to the brass cap.
	Cor. is located on a bench, within steep rocky W. facing slope.
	<hr/>
	N. 1°31' E., beginning new measurement, on the 12th mile of the CRIR bdy.
33.59	The closing cor. of secs. 6 and 31, on the N. bdy. of the Tp., hereinafter described.
	From this cor. point, Mile Post 12, of the CRIR bdy., in T. 4 N., R. 20 W., bears N. 1°31' E., 46.17 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 27 ins. above ground, in a mound of stone, 2 1/2 ft. base, 1 ft. high, with brass cap mkd. CRIR 12M PL 2008 1912.
	<hr/>
	Dependent Resurvey of a Portion of the West Boundary, T. 3 N., R. 20 W., Gila and Salt River Meridian, Arizona
	<hr/>
	Restoring the survey executed by Guy P. Harrington, in 1912
	<hr/>

**Dependent Resurvey of a Portion of the West Boundary,
T. 3 N., R. 20 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>From the cor. of secs. 1, 6, 7 and 12, on the W. bdy. of the Tp., monumented with an iron post, 1 in. diam., firmly set, projecting 28 ins. above ground, in a mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd. S1 T3N R21W S6 S12 S7 R20W 1912.</p> <p>Add the marks 2008 to the brass cap.</p> <p>Cor. is located on steep rocky NE facing slope, within Dome Rock Mountains.</p> <p>S. 0°03' E., bet. secs. 7 and 12.</p> <p>Over mountainous land.</p>
39.87	<p>The 1/4 sec. cor. of secs. 7 and 12, monumented with an iron post, 1 in. diam., firmly set, projecting 29 ins. above ground, in a scattered mound of stone, with brass cap mkd. 1/4 S12 S7 1912.</p> <p>Add the marks T3N R21W R20W 2008 to the brass cap and build mound of stone around iron post, 4 ft. base, 1 ft. high.</p> <p>Cor. is located on a steep, W. facing slope, within Dome Rock Mountains.</p> <hr/> <p>S. 0°02' E., beginning new measurement.</p>
39.81	<p>The cor. of secs. 7, 12, 13 and 18, monumented with an iron post, 1 in. diam., firmly set, projecting 24 ins. above ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. S12 T3N R21W S7 S13 S18 R20W 1912.</p> <p>Add the marks 2008 to the brass cap.</p> <p>Cor. is located on W. facing slope, within Dome Rock Mountains.</p> <hr/> <p>S. 0°04' W., bet. secs. 13 and 18.</p> <p>Descending over mountainous land.</p>
40.20	<p>The 1/4 sec. cor. of secs. 13 and 18, monumented with an iron post, 1 in. diam., firmly set, projecting 32 ins. above ground, in a mound of stone, 2 ft. base, 2 ft. high, with brass cap mkd. 1/4 S13 S18 1912.</p> <p>Add the marks T3N R21W R20W 2008 to the brass cap.</p> <p>Cor. is located on the northerly toe slope of LaPaz Arroyo, drains N. 60° W.</p> <hr/>

**Dependent Resurvey of a Portion of the West Boundary,
T. 3 N., R. 20 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>S. 0°02' E., beginning new measurement.</p>
14.28	<p>The 1912 closing cor. of secs. 13 and 18, monumented with an iron post, 3 ins. diam., firmly set, projecting 30 ins. above ground, in a mound of stone, 5 ft. base, 2 ft. high, with brass cap mkd. CRIR T3N R21W R20W S13 S18 CC PL 1912.</p> <p>Chisel the marks AM across the face of the brass cap and add the marks 2008 to the same.</p>
14.31	<p>Point for the closing cor. of secs. 13 and 18, at intersection with the CRIR bdy.</p> <p>Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center;">  </div> <p>Deposit a magnet, in a white plastic case, at the base of the aluminum post.</p> <p>From this cor. point, Mile Post 8, of the CRIR bdy., located in sec. 13, T. 3 N., R. 21 W., bears N. 53°27' W., 1.46 chs. dist., hereinbefore described.</p> <p>From this same cor. point, angle point 16, of the CRIR bdy., bears S. 53°27' E., 31.20 chs. dist., hereinbefore described.</p> <p>Cor. is located, atop right bank of main wash, in LaPaz Arroyo, drains N. 60° W.</p> <hr/> <p align="center">Restoring the survey executed by Donald E. Harding and Fred R. Chappell, in 1954</p> <hr/> <p>From the cor. of secs. 13, 18, 19 and 24, on the W. bdy. of the Tp., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with a mound of stone, 3 ft. base, 2 ft. high, to the W., with brass cap mkd. T3N R21W R20W S13 S18 S24 S19 1954.</p> <p>Add the marks 2008 to the brass cap.</p>

**Dependent Resurvey of a Portion of the West Boundary,
T. 3 N., R. 20 W., Gila and Salt River Meridian, Arizona**

CHAINS

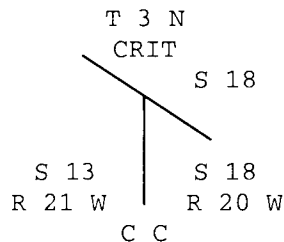
Cor. is located on a bench, within steep N. facing rock outcropping.

N. $0^{\circ}06'$ E., on the W. bdy. of the Tp.

Descending over N. facing slopes.

11.81 Point for the closing cor. of secs. 13 and 18, at intersection with the CRIR bdy.

Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.



Deposit a magnet, in a white plastic case, at the base of the aluminum post.

Cor. is located 55 lks. N., of the right bank of main wash, in LaPaz Arroyo, drains N. 60° W.

From this cor. point, the 1954 closing cor. bears N. $0^{\circ}06'$ E., 4.5 lks. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 14 ins. above ground, in a mound of stone 3 1/2 ft. base, to top, with brass cap mkd. T3N R20W S18 S13 S18 CC R21W R20W T3N 1954.

Chisel the marks AM across the face of the brass cap and add the marks 2008 to the same.

From this same cor. point, Mile Post 8, of the CRIR bdy., located in sec. 13, T. 3 N., R. 21 W., bears N. $53^{\circ}27'$ W., 5.27 chs. dist., hereinbefore described.

**Dependent Resurvey of a Portion of the West Boundary,
T. 3 N., R. 20 W., Gila and Salt River Meridian, Arizona**

CHAINS

From this same cor. point, angle point 16, of the CRIR bdy., bears S. 53°27' E., 27.39 chs. dist., hereinbefore described.

**Dependent Resurvey of a Portion of the North Boundary,
T. 3 N., R. 20 W., Gila and Salt River Meridian, Arizona**

Restoring the survey executed by
Guy P. Harrington, in 1912

From the cor. of Tps. 3 and 4 N., Rs. 20 and 21 W., monumented with an iron post, 3 ins. diam., firmly set, projecting 24 ins. above ground, in a mound of stone, 4 1/2 ft. base, to top, with brass cap mkd. S36 T4N R21W S31 S1 S6 T3N R20W 1912.

Add the marks 2008 to the brass cap.

S. 89°57' E., bet. secs. 6 and 31, on the N. bdy. of the Tp.

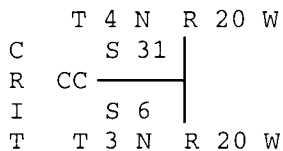
Over mountainous land.

36.72 The 1912 closing cor. of secs. 6 and 31, monumented with an iron post, 1 in. diam., firmly set, projecting 27 ins. above ground, in a mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd. S31 PL T4N R20W S31 CRIR T3N CC S6 S6 1912 1951.

Chisel the marks AM across the face of the brass cap and add the marks 2008 to the same.

36.92 Point for the closing cor. of secs. 6 and 31, at intersection with the CRIR bdy.

Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 19 ins. in the ground, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.



2008

Deposit a magnet, in a white plastic case, at the base of the aluminum post.

From this cor. point, Mile Post 11, bears S. 1°31' W., 33.59 chs. dist., hereinbefore described.

**Dependent Resurvey of a Portion of the North Boundary,
T. 3 N., R. 20 W., Gila and Salt River Meridian, Arizona**

CHAINS

From this same cor. point, Mile Post 12, bears N. 1°31' E., 46.17 chs. dist., hereinbefore described.

From this same cor. point, the 1/4 sec. cor. of secs. 6 and 31, Tps. 3 and 4 N., R. 20 W., bears S. 89°37' E., 4.55 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 24 ins. above ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd. 1/4 S31 S6 1951.

Add the marks T4N R20W T3N 2008 to the brass cap.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 3 N., R. 20 W., Gila and Salt River Meridian, Arizona**

Restoring the survey executed by
Guy P. Harrington, in 1912

From the cor. of secs. 7, 12, 13 and 18, on the W. bdy. of the Tp., hereinbefore described.

East, bet. secs. 7 and 18.

Over mountainous land.

32.59 The 1912 closing cor. of secs. 7 and 18, monumented with an iron post, 1 in. diam., firmly set, projecting 32 ins. above ground, in a supporting mound of stone, 3 1/2 ft. base, 1 1/2 ft. high, with brass cap mkd. T3N CRIR S7 S18 PL CC R20W 1912.

Chisel the marks AM across the face of the brass cap and add the marks 2008 to the same.

32.74 Point for the closing cor. of secs. 7 and 18, at intersection with the CRIR bdy.

Set a 60d spike, in a crack of a ledge, on a near vertical rock outcropping.

Raise a mound of stone, 3 ft. base, 1 1/2 ft. high, 7 lks. to the S., on the closest flat terrain.

From this cor. point, Mile Post 9, bears S. 1°23' W., 34.28 chs. dist., hereinbefore described.

From this same cor. point, Mile Post 10, bears N. 1°23' E., 46.52 chs. dist., hereinbefore described.

From the cor. of secs. 1, 6, 7 and 12, on the W. bdy. of the Tp., hereinbefore described.

CERTIFICATE OF SURVEY

I, Gordon R. Bubel, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 10th day of January, 2008, I have dependently resurveyed a portion of the Colorado River Indian Reservation boundary, portions of the west and north boundaries and a portion of the subdivisional lines, T. 3 N., R. 20 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 and under my direction. 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, 1973, and in specific manner described in the foregoing field notes.

Nov. 10, 2008
(Date)

Gordon R. Bubel
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the Colorado River Indian Reservation boundary, portions of the west and north boundaries and a portion of the subdivisional lines, T. 3 N., R. 20 W., Gila and Salt River Meridian, in the State of Arizona, executed by Gordon R. Bubel, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

02/05/2009
(Date)

Stephen H. Hansen
(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. 3 N., R. 20 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____~~
~~(Date)~~

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