

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A
THE SOUTH BOUNDARY
OF THE FORT MCDOWELL INDIAN RESERVATION,
AND
THE DEPENDENT RESURVEY
OF A PORTION OF THE WEST BOUNDARY
IN
TOWNSHIP 3 NORTH, RANGE 7 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Gordon R. Bubel, Cadastral Surveyor

Under Special Instructions dated January 7, 2015, approved January 7, 2015 and Supplemental Special Instructions dated February 12, 2015, approved February 12, 2015, which provided for the surveys included under Group No. 1141, and assignment instructions dated January 7, 2015.

Survey commenced January 27, 2015

Survey completed February 4, 2015

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TOWNSHIP 3 NORTH RANGE 7 EAST
 GILA & SALT RIVER MERIDIAN, ARIZONA

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Resurvey of the South Boundary
 of the Fort McDowell Indian Reservation Pages 4-9

T. 3 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the south boundary of the Fort McDowell Indian Reservation and a portion of the west boundary in Township 3 North, Ranges 7 East, Gila and Salt River Meridian, Arizona.

The history pertaining to this survey is as follows:

Camp McDowell Military Post was created by executive order dated April 12, 1867. Camp McDowell Military Post was officially renamed Fort McDowell Military Reservation by executive order dated March 30, 1870. The military reservation was formally abandoned in 1891. In 1903 the lands were withdrawn as the Fort McDowell Indian Reservation, "for use by Mohave-Apache and other Indians". The Salt River Indian Reservation was created by executive order dated June 14, 1879. At present, the Salt River Indian Reservation is known as the Salt River Pima Maricopa Indian Community.

Camp McDowell Military Post was initially surveyed by a U.S. Army Engineer in 1876. In 1888, L.D. Chillson, reestablished the south boundaries of the Camp McDowell Military Reservation, which is identical with a portion of the north boundary of the Salt River Indian Reservation. In 1900, Homer Santee ignored the 1888 Chillson survey, recovered evidence of the U.S. Army Engineer's 1876 survey and resurveyed the boundary of the abandoned Ft. McDowell Military Reservation. In 1911, Robert A. Farmer resurveyed the north, east and west boundaries of Fort McDowell Indian Reservation. In 1900, Homer Santee surveyed the north 5 miles of the west boundary. In 1911, Robert A. Farmer, established the corner of townships 2 and 3 north, ranges 6 and 7 east, surveyed the south mile of the west boundary and resurveyed the north 5 miles of the west boundary.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, (2009), the Special Instructions dated January 7, 2015 and Supplemental Special Instructions dated February 12, 2015, for Group Number 1141, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation R8 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. 7 E., Gila and Salt River Meridian, Arizona

CHAINS

Geodetic control was derived from Global Positioning System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) AZTP TEMPE CORS ARP, SRP1 SALT RIVER PROJEC CORS ARP, AZPA PEORIA FIREST 195 CORS ARP. The NAD 83(2011) (EPOCH: 2010.0000), geographic position of the southeast corner the Fort McDowell Indian Reservation, is as follows:

Latitude: 33°34'26.81" N. Longitude: 111°38'23.65" W.

The NAD 83(2011) (EPOCH: 2010.0000), geographic position of the 1/4 section corner of sections 31 and 36, on the west boundary of the township is as follows:

Latitude: 33°33'38.20" N. Longitude: 111°41'00.50" W.

The mean magnetic declination is 10 1/2° E.

**Dependent Resurvey of
The South Boundary of the Ft. McDowell Indian Reservation,
T. 3 N., R. 7 E., Gila and Salt River Meridian, Arizona**

Restoring the resurvey executed by
Homer Santee, in 1900

Beginning at the southeast corner of the Ft. McDowell Indian Reservation, identical with the northeast corner of the Salt River Indian Reservation, monumented with a fractured limestone, 27 x 19 x 10 ins., firmly set, 19 ins. in the ground, mkd. SRIR on the SW face, McDMR on the NW face, and V on the top face.

from which the remaining 1900 bearing tree

A stump hole, bears S. 34 3/4° W., 38 lks. dist., with a palo verde stump, 24 ins. diam., 48 ins. Long, lying loose alongside.

An iron post, 1 in. diam., firmly set, projecting 12 ins. above ground is set 1 lk. WNW from the stone, with brass cap mkd. CMCIR ES COR SRIR 1911. This monument was established as a witness corner, by Robert A. Farmer, in his 1911 resurvey of the east boundary of the Fort McDowell Indian Reservation.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 2 ft. base, to top, with brass cap mkd.

Dependent Resurvey of
The South Boundary of the Ft. McDowell Indian Reservation,
T. 3 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>T 3 N R 7 E</p> <p>FMIR</p> <p>S 28</p> <p>SRPMIC</p> <p>2015</p>
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post, incorporate the marked stone, within the mound of stone, and bury the 1 in. diam. iron post alongside the stainless steel post.</p> <p>Raise a mound of stone, 3 1/2 ft. base, 1 1/2 high W. of the cor.</p> <p>Cor. is located in a barbed wire fence, 3.5 lks, S. 7° W. from a fence cor. with barbed wire fences extending N. 7° E., S. 7° W. and S. 80° W.</p> <p>S. 80°17' W., on a portion of the 15th Mile of the Ft. McDowell Indian Reservation bdy., identical with the N. bdy. of the Salt River Indian Reservation.</p> <p>In and along a barbed wire fence, through typical upper Sonoran Desert vegetation, over rolling and broken terrain.</p>
35.06	<p>The 14 1/2 mile cor., monumented with a granite stone, 22 x 19 x 14 ins., firmly set 19 ins. in the ground, mkd. FT McDMMR 14 1/2 M, on the N. face and SRIR on the S. face, with a scattered mound of stone to the N.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;"> <p>T 3 N R 7 E</p> <p>FMIR</p> <p>MP 14 1/2</p> <p>SRPMIC</p> <p>S28</p> <p>2015</p> </p>
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Rebuild the scattered mound of stone, 3 1/2 ft. base, 1 1/2 ft. high N. of cor., incorporate the mkd. stone within.</p> <p>Cor. is located within a barbed wire fence, bears N. 80° E. and S. 80° W.</p> <hr style="width: 20%; margin: 10px auto;"/>

Dependent Resurvey of
The South Boundary of the Ft. McDowell Indian Reservation,
T. 3 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS	
	S. 80°13' W., beginning new measurement.
27.35	Top of ridge, bears NE and SW, leave rolling and broken land, enter overflow lands.
40.00	The 15 mile cor., monumented with a broken malapais stone, 12 x 10 x 10 ins., loosely set, 2 ins. in the ground, mkd. DMR 15 M on the N. face and SRIR on the S. face.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.
	T 3 N R 7 E FMIR MP 15
	SRPMIC S29 2015
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post, set a steel fencepost alongside the cor.
	Bury the mkd. stone alongside the stainless steel post.
	Cor. is located 1 lk. N. of a fence cor., with barbed wire fence extending N. 80° E. and S. 60° W.
	<hr/>
	S. 80°01' W., on the 16th Mile of the Ft. McDowell Indian Reservation bdy., identical with the N. bdy. of the Salt River Indian Reservation.
	Over nearly level, over flow lands.
40.04	Point for 15 1/2 mile cor., at proportionate dist., there is no remaining evidence of the 1900 cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, seated in concrete, in a collar of stone, with brass cap mkd.
	T 3 N R 7 E FMIR MP 15 1/2
	SRPMIC S29 2015

Dependent Resurvey of
The South Boundary of the Ft. McDowell Indian Reservation,
T. 3 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside the cor.
44.80	Track road in wash, 1.5 chs. wide, course S. 5° E. from N. 5° W.
53.25	Point selected for a witness point.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, seated in concrete, in a collar of stone, with brass cap mkd.
	WP T 3 N R 7 E FMIR SRPMIC S 30 2015
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside the cor.
53.50	Left bank of Verde River, 15 ft. high, course S. 50° E. from N. 50° W.
54.05	Point for the 1900 meander cor. on the left bank of the Verde River, at proportionate distance, there is no remaining evidence of the 1900 monument; point falls within the active channel of the Verde River, not monumented.
56.65	Edge of water, Verde River, course S. 30° E. from N. 30° W.
	From this point, the terminus of a barbed wire fence, near rivers edge, bears S. 31°31 E., 1.07 chs. dist., fence extends N. 89 1/2° E.
58.00	Edge of water, Verde River, course S. 30° E. and N. 30° W.
	From this point, the terminus of a barbed wire fence, near rivers edge, bears S. 35°20' E., 72 lks. dist., fence extends S. 80 1/2° W
64.56	Point for the 1900 meander cor. on the right bank of the Verde River, at proportionate distance, there is no remaining evidence of the 1900 monument; point falls on the eroding right bank of the Verde River, (15 ft. high, course S. 30° E. from N. 30° W.) not monumented.
65.08	Point selected for a witness point.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.

Dependent Resurvey of
The South Boundary of the Ft. McDowell Indian Reservation,
T. 3 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS	
	WP T 3 N R 7 E FMIR SRPMIC S 30 2015
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Set a steel fence post alongside the cor. From this cor. point, a fence corner bears N. 76°15' E., 39 lks. dist., iron rail fence extends S. 79° W. and N. 30° W.
66.75	Point on line, at the most southerly portion of an iron rail fence, fence extends N. 79° E. and S. 81° W.
79.23	From this point, the junction of iron rail fence and barbed wire fence, bears N., 12.5 lks. dist., iron rail fence extends N. 81° E. and barbed wire fence extends S. 80° W.
80.08	Point for 16 mile cor., at proportionate dist., there is no remaining evidence of the 1900 cor. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd. T 3 N R 7 E FMIR MP 16 SRPMIC S30 2015
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Cor. is located 13 lks. S. of a barbed wire fence, bears N. 81° E. and S. 80° W.
	<hr/> S. 80°13' W., on the 17th Mile of the Ft. McDowell Indian Reservation bdy., identical with the N. bdy. of the Salt River Indian Reservation.
2.66	Over rolling and broken terrain, through typical upper Sonoran desert vegetation. From this point, a fence cor. bears N. 13 lks. dist., barbed wire fences extend N. 80° E. and N. 5° W.

Dependent Resurvey of
The South Boundary of the Ft. McDowell Indian Reservation,
T. 3 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS	
2.90	Center of pavement, Ft. McDowell Road, bears S. 15° E. and N. 15° W.
40.04	<p>The 16 1/2 mile cor., monumented with a granite stone, 20 x 17 x 10 ins., firmly set 11 ins. in the ground, mkd. IR M, on the fractured N. face and SRIR on the S. face, with a scattered mound of stone to the N.</p> <p>from which the remains of a 1900 bearing tree</p> <p style="padding-left: 40px;">A palo verde snag, 12 ins. diam., bears S. 81 3/4° W., 55.5 lks. dist., no marks visible. (Record: S. 87 3/4° W., 54 lks. dist.)</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 3 N R 7 E FMIR MP 16 1/2</p> <p style="text-align: center;">SRPMIC S30 2015</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Rebuild the scattered mound of stone, 4 ft. base, 2 ft. high N. of cor., incorporate the mkd. stone within.</p> <p>Cor. is located 1 lk. S. of a barbed wire fence, bears N. 80° E. and S. 80° W.</p> <p style="text-align: center;">_____</p> <p>S. 80°06' W., beginning new measurement.</p>
8.88	<p>Intersect the line bet. Ranges 6 and 7 east, and point for a closing corner, hereinafter described.</p> <p style="text-align: center;">_____</p>

Dependent Resurvey of a Portion of the West Boundary,
T. 3 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">Restoring the survey executed by Robert A. Farmer, in 1911</p> <hr style="width: 20%; margin: auto;"/> <p>From the 1/4 sec. cor. of secs., 31 and 36, on the W. bdy. of the Tp., monumented with an iron post, 1 in. diam., firmly set, projecting 16 ins. above ground, in a mound of stone, 3 1/2 ft. base, 2 ft. high, with brass cap mkd. 1/4 S36 S31 1911. Add the marks T3N R6E R7E 2015 to the brass cap.</p> <p>N. 0°05' E., bet. secs. 31 and 36, on the E. bdy. of the Tp, within the Salt River Indian Reservation.</p> <p>Descending, over mountainous land.</p> <p>39.52 Point for the closing cor. of secs. 31 and 36, at intersection with the S. bdy. of the Fort McDowell Indian Reservation.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T 3 N R 6 E R 7 E S36 S31 FMIR</p> <p style="text-align: center;">CC SRPMIC 2015</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Raise a mound of stone, 2 1/2 ft. base, 1 ft. high S. of cor.</p> <p>Cor. is located 1.5 lks. N., of a barbed wire fence, bears N. 80° E. and S. 80° W.</p> <p>From this cor. point, Mile Post 16 1/2, bears N. 80°06' E., 8.88 chs. dist., hereinbefore described.</p> <p>From this same cor. point, the witness cor. to 17 mile cor., bears S. 80°06' W., 30.63 chs. dist., as described in the field notes of the resurvey of the south boundary of the Fort McDowell Indian Reservation boundary, executed concurrently under this same Group.</p> <p>39.98 The cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp., monumented with an iron post, 1 in. diam., firmly set, 13 ins. below the surface, without brass cap.</p> <p>from which, the remaining 1911 bearing trees</p>

Dependent Resurvey of a Portion of the West Boundary,
T. 3 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS

An ironwood, 14 ins. diam. at base, bears S. 39 1/4° W., 119.5 lks. dist., with an 8 ins. diam. limb marked 3N R6E S36 BT on partially healed blaze.

(Record: S. 39 1/2° W., 118 lks.)

A forked ironwood, 21 ins. diam., at base, bears N. 35 1/2° W., 76 lks. dist., with a healed blaze.

From this cor. point, a rebar, 1/2 in. diam., firmly set, flush with the surface, with damaged and unreadable plastic cap, bears S. 68°52' W., 2.5 lks. dist.

Cor. is located beneath a graded road, (20 ft. wide, bears N. 80° E. and S. 80° W.) 12 lks. S. of the N. edge.

GENERAL DESCRIPTION

The south boundary of the Fort McDowell Indian Reservation in Township 3 North, Range 7 East, lies about 3 miles southwest of the Town of Fountain Hills. The Verde River is the dominant topographic feature, crossing the surveyed line between mile post 15 1/2 and mile post 16. Vegetation consists of cottonwood and ash trees near the river, away from the river, palo verde, mesquite and ironwood dominate. Saguaros, cholla, creosote, brittlebush and native grasses are also found. Soil is sandy near the river, becoming rocky away from the river.

Access is provided by Arizona State Highway No. 87, and Fort McDowell road. A fence starting at mile post 15, deviates from the boundary line and occupies about 21 acres onto the Salt River Pima Maricopa Indian Community. Feral horses are plentiful.

The mean magnetic declination of 10 1/2° E. was derived from the National Oceanic and Atmospheric Administration, Magnetic Field Calculator, utilizing the World Magnetic Model for Epoch 2015 for the dates of survey.

CERTIFICATE OF SURVEY

I, Gordon R. Bubel, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 7th day of January, 2015, and supplemental special instructions bearing date of the 12th day of February 2015, I have dependently resurveyed a portion of the south boundary of the Fort McDowell Indian Reservation and a portion of the west boundary in Township 3 North., Range 7 East, 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 Surveying Instructions, (2009), and in specific manner described in the foregoing field notes.

DEC. 3, 2015
(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 south boundary of the Fort McDowell Indian Reservation and a portion of the west boundary in Township 3 North, Range 7 East, 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.

12/10/2015
(Date)

AAA
(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. 7 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

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

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