ORIGINAL

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY

AND A PORTION OF THE SUBDIVISIONAL LINES,

THE SUBDIVISION OF SECTION 19

AND

A METES-AND-BOUNDS SURVEY IN SECTION 19,

TOWNSHIP 12 SOUTH, RANGE 19 EAST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Daniel L. Maxey, Cadastral Surveyor

Under Special Instructions dated November 2, 1999, approved November 2, 1999, which provided for the surveys included under Group No. 847, and assignment instructions dated November 2, 1999.

Survey commenced November 8,1999

Survey completed June 12, 2001

INDEX DIAGRAM

TOWNSHIP 12 SOUTH RANGE 19 EAST

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

Subdivision of Section 19	Pages 7-9
Metes-and-Bounds Survey in Section 19	Pages 9-12

T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the west boundary and a portion of the subdivisional lines, the subdivision of section 19 and a metes-and-bounds survey in section 19, T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona.

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

John L. Harris surveyed a portion of the north and east boundaries, the west and south boundaries and a portion of the subdivisional lines in 1879.

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 November 2, 1999, for Group No. 847, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 4400 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.

Geodetic control was derived from first order U. S. Coast and Geodetic Survey triangulation station REDFIELD 1947, as published by the National Geodetic Survey, NAD 83 (1992). The geographic position of the corner of sections 19, 20, 29 and 30, is as follows:

Latitude: 32° 22' 10.48" N. Longitude: 110° 26' 03.63" W.

The mean magnetic declination is 11½° E.

Dependent Resurvey of a Portion of the West Boundary, T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona

CHANNO	
CHAINS	Restoring the survey executed by John L. Harris, in 1879
	Beginning at the cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the Tp., monumented with a wood post of unknown origin, 4 X 4 X 60 ins. long, loosely set, 18 ins. in the ground, with the orig. wood post, badly decayed, 48 in. long, with no legible marks, lying alongside.
	At the corner point
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T12S
	R18E R19E
	S24 S19
	S25 S30
	1999
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	Bury the wood posts alongside the stainless steel post.
	Cor. falls in a fence extending N and E.
	N. 0°18' W., bet. secs. 19 and 24.
	Over broken, rocky land through greasewood brush and cacti.
39.86	Point for the 1/4 sec. cor. of secs. 19 and 24, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T12S
	R18E R19E
	1/4 S24 S19
	1999
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
77.75	Bottom of left bank San Pedro River, bears S. 57° E. and N. 57° W.

Dependent Resurvey of a Portion of the West Boundary, T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona

ì

79.72

The cor. of secs. 13, 18, 19 and 24, determined from the orig. bearing tree.

A mesquite, 14 ins. diam., bears N. 4° E., 94 lks. dist., with illegible scribe marks visible on partially opened blaze.

Cor. falls in channelized San Pedro River, at the bottom of the right bank.

From this point, the point selected for a witness cor. to the cor. of secs. 13, 18, 19 and 24, bears S. 86°23' E., 0.55 chs. dist.

Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

W	C
T1	2S
R18E	R19E
S13	S18
	
S24	S19
19	99

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona

Restoring the survey executed by John L. Harris, in 1879

From the cor. of secs. 19, 20, 29 and 30, monumented with a mound of stone, 2 ft. base, 1 ft. high, from which the original bearing trees

- A mesquite trunk lying dead and down in a tangle of live and dead mesquite trees, 8 ins. diam., bears East, 15 lks. dist., with scribe marks TXIIS RXIXE XXIX BT visible on partially opened blaze. (Record: S. 86° E., 19 lks. dist.)
- A mesquite stump, 15 ins. diam., bears N. 35° W., 27 lks. dist., no marks remaining.

At the cor. point

	T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona
CHAINS	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.
	T12S R19E S19 S20
	s30 s29 1999
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	From this cor. point, a steel well casing, 6 ins. diam., projecting 15 ins. above ground, bears S. 64°06' E., 0.60 chs. dist.
	From this same cor. point, U. S. Coast and Geodetic Survey triangulation station REDFIELD 1947, bears N. 24°39' W., 112.79 chs. dist., monumented with a standard brass disk, 3½ ins. diam., cemented in a concrete monument, firmly set, projecting 2 ins. above ground, with top mkd. REDFIELD 1947 and a triangle.
	S. 89°50' W., bet. secs. 19 and 30.
	Over the San Pedro River flood plain, through dense mesquite and catclaw.
2.03	Center line graded road, 30 ft. wide, bears S. 68° E. and N. 68° W.
11.38	Center line San Pedro River channel, 100 ft. wide, course N. 48° W.
20.39	Point for AP 1, sec. 19, falls in bottom of a wash, 6 ft. deep, 10 ft. wide, drains N. 24° E.
	From this point, the point selected for a witness cor. to AP 1, sec. 19, bears N. 35°46' E., 0.64 chs. dist.
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	W C T12S R19E AP1 S19 S30 2001

Deposit a magnet in a white plastic case at the base of the

stainless steel post.

CHAINS	
39.84	The 1/4 sec. cor. of secs. 19 and 30, monumented with a mound of stone, 2 ft. base, 1 ft. high, with a portion of the orig. wood post, 22 ins. long, flattened to 4 ins. across one side, lying next to mound.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T12S R19E S19
	1/4
	\$30 1999
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.
	Bury the portion of the wood post alongside the stainless steel post.
	N. 89°41' W., beginning new measurement.
	Over broken, rocky land through greasewood brush and cacti.
39.75	The cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the Tp., hereinbefore described.
	From the cor. of secs. 19, 20, 29 and 30.
	N. 0°03' E., bet. secs. 19 and 20.
	Over broken, rocky land through greasewood brush and cacti.
39.94	Point for the 1/4 sec. cor. of secs. 19 and 20, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T12S R19E 1/4 S19 S20
	1999

CHAINS	
3	Deposit a magnet in a white plastic case at the base of the stainless steel post.
79.88	The cor. of secs. 17, 18, 19 and 20, monumented with a mound of stone, 2 ft. base, 1 ft. high, no evidence of orig. post.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	T12S R19E S18 S17
	s19 s20 1999
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	S. 89°57' W., bet. secs. 18 and 19.
	Over broken, rocky land through greasewood brush and cacti.
37.93	Center line of graded road, 30 ft. wide, bears S. 6° E. and N. 6° W.
40.80	Point for the 1/4 sec. cor. of secs. 18 and 19, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T12S R19E
	1/4 ———
	s19
	1999
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
61.20	Point for the W. 1/16 sec. cor. of secs. 18 and 19.
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

CHAINS	
	T12S R19E S18 W 1/16 ——— S19 1999
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
80.05	The true point for the cor. of secs. 13, 18, 19 and 24, on the W. bdy. of the Tp., hereinbefore described.
	Subdivision of Section 19, T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona
	From the 1/4 sec. cor. of secs. 19 and 30.
	N. 0°39' W., on the N. and S. center line of sec. 19.
	Over broken, rocky land through greasewood brush and cacti.
40.07	Point for the center 1/4 sec. cor. of sec. 19, at intersection with the E. and W. center line of sec. 19.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 10 ins. in the ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T12S R19E
	C 1/4 S19
	1999
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
55.515	Intersect line 4-5 of the metes-and-bounds survey in sec. 19.
58.50	Top of the left bank of the San Pedro River, bears S. 82° E. and N. 82° W.
79.97	The 1/4 sec. cor. of secs. 18 and 19.
	From the 1/4 sec. cor of secs. 19 and 20.
	N. 89°59' W., on the E. and W. center line of sec. 19.
	Over broken, rocky land through greasewood brush and cacti.
17.65	Center line of graded road, 30 ft. wide, bears N. and S.

Subdivision of Section 19, T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona

	T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona
CHAINS	
19.80	Top of right bank of the San Pedro River, bears N. 2° E. and S. 2° W.
28.55	Top of left bank of the San Pedro River, bears S. 21° E. and N. 21° W.
28.90	Intersect line 2-3 of the metes-and-bounds survey in sec. 19.
40.32	The center 1/4 sec. cor. of sec. 19.
60.84	Point for the center W. 1/16 sec. cor. of sec. 19.
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T12S R19E
	W 1/16
	c —— c
	s19
	1999
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
79.81	The 1/4 sec. cor. of secs. 19 and 24, on the W. bdy. of the Tp.
	From the center W. 1/16 sec. cor. of sec. 19.
	N. 0°28' W., on the N. and S. center line of the NW $1/4$ of sec. 19.
	Over broken rocky ground, through greasewood brush and cacti.
19.32	Point for AP 8, sec. 19.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T12S R19E
	W
	s19
	AP8
	W
	2001
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	From this cor. point, a fence cor. bears N. 50° W., 3 lks dist., with fences extending N. 34° E., S. 34° W. and N. 50° W.

Subdivision of Section 19, T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona

21.90	Bottom of the left bank of the San Pedro River, bears S. 89° E. and N. 89° W.
39.87	The W. 1/16 sec. cor. of secs. 18 and 19.
	Metes-and-Bounds Survey in Section 19, T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona
	Note: As agreed upon during a field inspection with the adjoining property owners, the following Metes-and-Bounds survey generally follows an existing fence line and over a large rock outcropping on the south and west side of the San Pedro River flood plain.
	From the true point for AP 1, sec. 19, on the line bet. secs. 19 and 30, hereinbefore described
	N. 11°51' W., on line 1-2, sec. 19, along a meandering fence through dense mesquite trees and catclaw.
23.30	Point for AP 2, sec. 19, falls in fence line.
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T12S R19E
	AP2 \ S19
	1999
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	N. 12°07' W., on line 2-3, sec. 19, along a meandering fence through dense mesquite trees and catclaw.
17.60	Intersect the E. and W. center line of sec. 19.
	From this point, the center 1/4 sec. cor. of sec. 19, bears N. 89°59' W., 11.42 chs. dist., hereinbefore described.
17.71	Point for AP 3, sec. 19, falls in fence line.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Metes-and-Bounds Survey in Section 19, T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	1
	T12S R19E
	AP3 \ S19
	2001
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	Cor. is located 18 ft. W. of the west bank of the San Pedro River.
	N. 31°44' W., on line 3-4, sec. 19, along a meandering fence through dense mesquite trees and catclaw.
11.35	Point for AP 4, sec. 19, falls in fence line.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T12S R19E
	AP4 \S19
	2001
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	Cor. is located 30 ft. W. of the top of the west bank of the San Pedro River.
	N. 44°37' W., on line 4-5, sec. 19, along a meandering fence through dense mesquite trees and catclaw.
7.985	Intersect the N. and S. center line of sec. 19.
	From this point, the center 1/4 sec. cor. of sec. 19, bears S. 0°39' E., 15.445 chs. dist., hereinbefore described.
14.39	Point for AP 5, sec. 19, at the terminus of fence line at the base of a rock outcropping.
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

Metes-and-Bounds Survey in Section 19, T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
1	T12S R19E
	S19
	AP5\
	\
	2001
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	S. 87°35' W., on line 5-6, sec. 19, across solid rock outcropping.
3.82	Point for AP 6, sec. 19.
	Set a brass tablet, 3½ ins. diam., 2½ ins. stem, cemented in place, in a drill hole, on a solid rock outcropping, with top mkd.
	T12S R19E
	S19
	AP6
	2001
	Deposit magnet fragments in the drill hole beneath the brass tablet.
	S. 87°35' W., on line 6-7, sec. 19, across solid rock outcropping.
9.19	Point for AP 7, sec. 19.
	Set a brass tablet, 3½ ins. diam., 2½ ins. stem, cemented in place, in a drill hole, on a solid rock outcropping, with top mkd.
	T12S R19E
	S19
	AP7
	2001
	2001
	Deposit magnet fragments in the drill hole beneath the brass tablet.
	S. 87°35' W., on line 7-8, sec. 19, across solid rock outcropping.
i	

Metes-and-Bounds Survey in Section 19,

Metes-and-Bounds Survey in Section 19, T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona		
CHAINS 3.01	AP 8, sec. 19, on the N. and S. center line of the NW 1/4 of sec. 19, hereinbefore described.	
	GENERAL DESCRIPTION	
	This survey is located between the communities of Cascabel and Redington along the San Pedro River. Access is by way of Redington Road north from Interstate 10 at Benson, Arizona or south from State Highway 76 at San Manuel, Arizona.	
	The land is rolling, rocky bench land draining east and west into the San Pedro River basin which runs northwesterly through the area embraced within this survey. The soil is sandy loam and rocky. Vegetation on the bench land above the river basin consists of greasewood brush, native grasses and cacti. Mesquite, scattered juniper and oak with an undergrowth of catclaw, ocotillo and cacti are found along the San Pedro river basin.	
	There are working ranches in the area with some cultivated fields along the San Pedro River.	
	The mean magnetic declination of $11\frac{1}{2}^{\circ}$ E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 1995 for the dates of survey.	

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Mark R. Searles	Surveying Technician
	•

CERTIFICATE OF SURVEY

I, Daniel L. Maxey, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 2nd day of November, 1999, I have dependently resurveyed a portion of the west boundary and a portion of the subdivisional lines, subdivided section 19 and executed a metes-and-bounds survey in section 19, T. 12 S., R. 19 E., Gila and Salt River Meridian, 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, and in specific manner described in the foregoing field notes.

(Date) Want L. Majey (Cadastral/Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the west boundary and a portion of the subdivisional lines, the subdivision of section 19 and the metes-and-bounds survey in section 19, T. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona, executed by Daniel L. Maxey, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

(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. 12 S., R. 19 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

(Chief Gadastral Surveyor of Arizona)