ORIGINAL BOOK 5389

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

	DEPENDENT RESURVEY OF
T	HE FIFTH STANDARD PARALLEL NORTH (SOUTH BOUNDARY),
	THE WEST BOUNDARY,
	A PORTION OF THE NORTH BOUNDARY,
	AND
	A PORTION OF THE SUBDIVISIONAL LINES,
	TOWNSHIP 21 NORTH, RANGE 30 EAST
Of the	Gila and Salt River Meridian,
In the State of	Arizona
	EXECUTED BY Stephen J. Malloy, Cadastral Surveyor

Under Special Instructions dated <u>January 12, 1987</u>, approved <u>February 23, 1987</u>, <u>and Supplemental Special Instructions dated February 29, 1988</u>, approved <u>February 29,1988</u>, which provided for the surveys included under Group Number <u>685</u> and assignment instructions dated <u>April 21, 1987</u> and <u>April 27, 1988</u>.

Survey commenced April 27, 1987 Survey completed April 13, 1993

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T. 21 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes are those of the dependent resurvey of the Fifth Standard Parallel North (south boundary), the west boundary, a portion of the north boundary, and a portion of the subdivisional lines, Township 21 North, Range 30 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this dependent resurvey is as follows: The Fifth Standard Parallel North (south boundary), west, and north boundaries, and the subdivisional lines were surveyed by W. R. Fitzgerald in 1882. The Fifth Standard Parallel North (south boundary) was dependently resurveyed by Ty White in 1947.

The survey was executed in accordance with the specifications as set forth in the <u>Manual of Surveying Instructions</u>, 1973, and the Special Instructions dated January 12, 1987, and the Supplemental Special Instructions dated February 29, 1988 for Group No. 685, 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.

In the course of this survey two marked wood posts and a marked stone were found north of the 1947 dependent resurvey. These posts and stone were not of the age and marks characteristic of a Fitzgerald original corner. Their positions are not harmoniously related to original topography calls or accepted original corners. Therefore they were not utilized in this resurvey.

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 Geodimeter 140 and Sokkia Set2BII total station instruments.

The geographic position of the southeast township corner, as determined from a tie made to U.S. Coast and Geodetic Survey triangulation station "CRAFTON 1959", located in the NW. quarter of section 25, Township 21 North, Range 30 East, is as follows:

Latitude: 35°10'01.58" N. Longitude: 109°06'05.72" W. NAD 27

The mean magnetic declination as taken from quadrangle map TOLAPAI SPRING, ARIZ., published in 1971 by U.S. Geological Survey, is 13 1/2° E.

CHAINS

Restoring the resurvey executed by Ty White, in 1947

Beginning at the stan. cor. of Tps. 21 N., Rs. 29 and 30 E., monumented with an iron post, 3 ins. diam, firmly set, projecting 4 ins. above ground, with brass cap mkd. SC T21N R29E R30E S36 S31 1947, from which the 1947 bearing trees.

- A juniper, 14 ins. diam., bears N. 69° E., 280 lks. dist., mkd. T21NR30ES31SCBT. (Record: 247 lks. dist.)
- A juniper, 10 ins. diam., bears N. 37 1/4° W., 245 1/2 lks. dist., mkd. T21NR29ES36SCBT. (Record: 280 lks. dist.)

Add the marks 1993 on the brass cap.

Cor. is located 5 1/2 lks. south of a fenceline, bears E. and W., and directly underneath a utility pole line, with lines bearing N. E., and S.

From this cor. point, U.S. Coast and Geodetic Survey triangulation station, "CRAWFORD 1936", with published latitude of 35°09'51.858" N. and longitude of 109°13'48.932" W., NAD27, bears S. 77°52.2' W. (forward bearing), 97.14 chs. dist., monumented with a standard brass disk, 3 ins. diam., welded onto an iron pipe, 3 ins. diam., firmly set, projecting 8 ins. above ground, with top mkd. CRAWFORD 1936 and a triangle.

From this same cor. point, a juniper post, 3 ins. square, firmly set, projecting 28 ins. above ground, mkd. with 6 grooves on E. and S. faces, origin and date unknown and is not used in the course of this resurvey, bears N. 18°11' E., 5.63 chs. dist.

S. 89°19' E., on the S. bdy. of sec. 31.

Over rolling land through dense juniper and some piñon pine along a utility line.

40.70

The stan. 1/4 sec. cor. of sec. 31, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. SC 1/4 S31 1947, from which the 1947 bearing trees.

CHAINS	
	A juniper , 7 ins. diam., bears N. 69 3/4° E., 146 1/2 lks. dist., mkd. 31SCBT on a mostly healed blaze. (Record: 48 lks. dist.)
	A juniper , 24 ins. diam., bcars N. 42 1/4° W., 76 lks. dist., mkd. 1/4S31SCBT.
	Add the marks 1993 on the brass cap.
	S. 89°22' E., beginning new measurement.
40.65	The stan. cor. of secs. 31 and 32, monumented with an iron post, 2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. SC T21N R30E S31 S32 1947, from which the 1947 bearing trees.
	A juniper, 16 ins. diam., bears N. 12 3/4° E., 270 lks. dist., mkd. T21NR30ES32SCBT.
	A juniper, 5 ins. diam., bcars N. 47° W., 205 lks. dist., mkd. BT on a partially healed blaze.
	Add the marks 1993 on the brass cap.
	From this cor. point, a juniper post, 3 ins. diam., firmly set, projecting 22 ins. above ground, mkd. with 5 grooves on E. face and 1 groove on W. face, origin and date unknown and is not used in the course of this resurvey, bears N. 5°08' E., 5.74 chs. dist.
	S. 89°20' E., on the S. bdy. of sec. 32.
	Ascend over rolling land through dense juniper and some piñon pine along a utility line.
7.30	Top of a ridge, bears N. and S. Doscend.
13.70	Wash, 6 lks. wide, 1 ft. deep, drains N. Ascend.
40.65	The stan. 1/4 sec. cor. of sec. 32, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd. SC 1/4 S32 1947, from which the 1947 bearing trees.

CHAINS	
	A juniper, 12 ins. diam., bears N. 6 1/4° E., 53 lks. dist., mkd. 1/4S32SCBT. (Record: N. 4 1/2° E.)
	A juniper, 8 ins. diam., bears N. 2 1/4° W., 24 lks. dist., mkd. 1/4S32SCRT.
	Add the marks 1993 on the brass cap.
	·
	S. 89°19' E., beginning new measurement.
6.20	Top of ridge, bears N. and S. Doscend
22.20	Wash, 16 lks. wide, 2 ft. deep, drains N. Ascend.
37.00	Top of ridge, bears N. and S. Descend
40.65	The stan. cor. of secs. 32 and 33, monumented with an iron post, 2 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. SC T21N R30E S32 S33 1947, from which the 1947 bearing trees.
	A juniper, 16 ins. diam., bcars N. 72 1/4° E., 51 lks. dist., mkd. T21NR30ES33SCBT.
	A juniper , 14 ins. diam., bears N. 63° W., 41 lks. dist., mkd. T21NR30ES32SCBT.
	Add the marks 1993 on the brass cap.
	S. 89°22' E., on the S. bdy. of sec. 33.
	Descend over rolling land through dense juniper and some piñon pine along a utility line.
20.30	Wash, 30 lks. wide, 3 ft. deep, drains N. Ascend.
40.66	The stan. 1/4 sec. cor. of sec. 33, monumented with an iron post, 1 in. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd. SC 1/4 S33 1947, from which the 1947 bearing trees.

A juniper, 16 ins. diam., bears N. 79 1/4° E., 147 lks. dist., mkd. 1/4S33SCBT.
A juniper, 18 ins. diam., bears N. 80 3/4° W., 67 lks. dist., mkd. 1/4S33SCBT.
Add the marks 1993 on the brass cap.
S. 89°22' E., beginning new measurement.
Point for a witness point on the S. bdy. of sec. 33.
Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
WP
T21N R30E S33
1993
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 alongside the cor.
Cor. is located on top of a spur, slopes NNW. Descend.
Track road, 15 lks. wide, bears SSE. and NNW. Ascend.
The stan. cor. of secs. 33 and 34, monumented with an iron post, 2 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. SC T21N R30E S33 S34 1947, from which the 1947 bearing trees.
A juniper, 15 ins. diam., bears N. 74 1/4° E., 148 lks. dist., mkd: T21NR30E34SCBT.
A juniper, 13 ins. diam., bears N. 41° W., 30 lks. dist., mkd: T21NR30ES33SCBT.
Add the marks 1993 on the brass cap.

CHAINS			
	S. 89°22' E., on the S. bdy. of sec. 34.		
	Ascend over rolling land through dense juniper and some piñon pine.		
40.66	The stan. 1/4 sec. cor. of sec. 34, determined from the 1947 bearing trees.		
	A juniper, 20 ins. diam., bears N. 46 1/4° E., 46 lks. dist., mkd. 4S34SCBT. (Record: 40 lks. dist.)		
	A juniper, 17 ins. diam., bears N. 56 3/4° W., 61 lks. dist., mkd. SCBT on a partially healed blaze.		
	At the cor. point		
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, and over a steel fence post, with brass cap mkd.		
	SC		
	T21N R30E		
	1/4 S34		
	1993		
	Cor. is located 70 lks. N. of a fence bearing WNW.		
	S. 89°22' E., beginning new measurement.		
40.67	The stan. cor. of secs. 34 and 35, monumented with an iron post, 2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. SC T21N R30E S34 S35 1947, from which the 1947 bearing trees.		
	A juniper, 18 ins. diam., bears N. 69 1/2° E., 62 lks. dist., mkd. T21NR30E35SCBT.		
	A juniper, 14 ins. diam., bears N. 82° W., 77 lks. dist., mkd. T21NR30ES34SCBT.		
	Add the marks 1993 on the brass cap.		

	1. 21 N., R. 30 E., Gila and Salt River Meridian, Arizona
CHAINS	
	S. 89°17' E., on the S. bdy. of sec. 35.
	Ascend over severely broken land with juniper and piñon pine.
3.02	Point for a witness point on the S. bdy. of sec. 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	WP T21N R30E S35
	1993
	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 alongside the cor.
	Cor. is located on the E. top of a spur, slopes SE.
40.71	The stan. 1/4 sec. cor. of sec. 35, monumented with an iron post, 1 in. diam., firmly set, projecting 11 ins. above ground, with brass cap mkd. SC 1/4 S35 1947, from which the 1947 bearing trees.
	A juniper, 12 ins. diam., bears N. 66° E., 55 lks. dist., mkd. 1/4S35SCBT.
	A juniper, 38 ins. diam., bears N. 71 3/4° W., 55 lks. dist., mkd. 1/4S35SCBT.
	Add the marks 1993 on the brass cap.
	S. 89°21' E., beginning new measurement.
15.50	Top of Zuni and Puerco River Divide, bears N. and S. Begin gradual descent over gently rolling land through dense juniper and some piñon pine.

	¥	
CHAINS		
15.60	Point for a witness point on the S. bdy. of sec. 35.	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.	
	WP T21N R30E S35	
	1993	
	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 alongside the cor.	
	Cor. is located on top of a spur, slopes SW.	
40.65	The stan. cor. of secs. 35 and 36, monumented with an iron post, 2 ins. diam., firmly set, projecting 9 ins. above ground, with brass cap mkd. SC T21N R30E S35 S36 1947 from which the 1947 bearing trees.	
	A juniper, 12 ins. diam., bears N. 57 1/4° E., 60 lks. dist., mkd. T21NR30E36SCBT.	
	A juniper, 8 ins. diam., bcars N. 23° W., 30 lks. dist., mkd. T21NR30ES35SCBT. (Record: N. 21 1/2° W.)	
	Add the marks 1993 on the brass cap.	
	From this cor. point, a sandstone, 11 x 8 x 4 ins. laying loose on the ground, mkd. with SC on a face, 5 grooves on an adjoining face, and 1 notch on an edge opposite of the grooved face, bears N. 67°01' W., 12.07 chs. dist. This position was determined by persons unknown and is not used in the course of this resurvey,	
	S. 89°22' E., on the S. bdy. of sec. 36.	
	Descend over gently rolling land with dense juniper.	
27.60	Point for a witness point on the S. bdy. of sec. 36.	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.	

CHAINS	
	WP T21N R30E S36
	1993
	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 alongside the cor.
40.66	The stan. 1/4 sec. cor. of sec. 36, monumented with an iron post, 1 in. diam., firmly set, projecting 7 ins. above ground, with brass cap mkd. SC 1/4 S36 1947, from which the 1947 bearing trees.
	A juniper, 32 ins. diam., bears N. 75° E., 52 lks. dist., mkd. 1/4S36SCBT. (Record: 89 lks. dist.)
	A juniper, 22 ins. diam., bcars N. 22° W., 89 lks. dist., mkd. 1/4S36SCBT. (Record: 52 lks. dist.)
	Add the marks 1993 on the brass cap.
	S. 89°24' E., beginning new measurement.
40.64	The stan. cor. of Tps. 21 N., Rs. 30 and 31 E., monumented with an iron post, 3 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. SC T21N R30E R31E S36 S31 1947, from which the remaining 1947 bearing tree.
	A juniper, 5 ins. diam., bears N. 55 3/4° E., 19 lks. dist., mkd. BT. on a nearly healed blaze. (Record: 18 lks. dist.)
	Add the marks 1993 on the brass cap.

CHAINS

From this cor. point, U.S. Coast and Geodetic Survey triangulation station, "CRAFTON 1959", with published latitude of 35°11'38.164" N. and longitude of 109°06'51.338" W., NAD27, bears N. 21°11.5' W. (forward bearing), 158.74 chs. dist., monumented with a standard brass tablet, 3 ins. diam., set in a concrete block, 12 ins. x 12 ins. square, 1 in. above ground, with top mkd. CRAFTON 1920 1959 and a triangle.

Dependent Resurvey of the W. Bdy., T. 21 N., R. 30 E., Gila and Salt River Mer., Arizona

Restoring the survey executed by W. R. Fitzgerald, in 1882

From the stan. cor. of Tps. 21 N., Rs. 29 and 30 E., hereinbefore described.

N. 0°01' W., bet. secs. 31 and 36.

Over rolling land with juniper along a utility line.

40.02

Point for the 1/4 sec. cor. of secs. 31 and 36, at proportionate dist.; there is no remaining evidence of the original cor.

Sct a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

T21N 1/4 R29E | R30E S36 | S31 1993

Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Set a steel fence post alongside the cor.

From this cor. point, an iron post of no record, 36 ins. long, 1 in. diam., laying loose on the ground, with brass cap mkd. GENERAL LAND OFFICE 1/4 S36 S31 1947, bears S. 61° W., 2.5 lks. dist. This unofficial monument is not utilized in the course of this resurvey, and is buried alongside the stainless steel post.

CHAINS	
80.04	Point for the cor. of secs. 25, 30, 31, and 36, at proportionate dist.; there is no remaining evidence of the original cor.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

T	21N
R29E	R301
S25	S30
s36	S31
19	993

Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Set a steel fence post alongside the cor.

Cor. is located 170 lks. E. of a dirt road, 15 lks. wide, bears SE. and NW.

N. 0°01' W., bet. secs. 25 and 30.

Over gently rolling land with moderate juniper along a utility line.

0.14 Fence, bears E. and W.

CHAINS

Point for the 1/4 sec. cor. of secs. 25 and 30, at proportionate 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, with brass cap mkd.

Deposit a magnet in a $1 \times 1 \times 2$ 5/8 ins. white colored plastic case beneath the stainless steel post.

Set a steel fence post alongside the cor.

Over near level land with thinning juniper.

CHAINS			
79.97	Recently constructed fence, bears SE. and NW.		
80.04	The cor. of secs. 19, 24, 25, and 30, perpetuated by James Shepherd, in 1938, monumented with a juniper post, 48 ins. long, 3 x 4 ins. square, firmly set, projecting 22 ins. above ground, mkd. with 2 grooves on the S. face and 4 grooves on the N. face. This cor. is accepted as a careful and faithful perpetuation of the original cor. position.		
	At the cor. point		
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.		
	T21N R29E R30E S24 S19 S25 S30		
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.		
	Bury the juniper post alongside the stainless steel post.		
	Set a steel fence post alongside the cor.		
	Cor. is located within Tolapai Draw.		
	From this cor. point, the cor. of older constructed fences, extending E. and S., bears S. 12°45' E., 39.6 lks. dist.		
	N. 0°37' W., bet. secs. 19 and 24.		
	Ascending over broken rolling land with moderate juniper, and parallel to a utility line.		
3.70	Recently constructed fence, bears N. and S.		
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.		

	T. 21 N., R. 30 E., Gila and Salt River Meridian, Arizona
CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T21N 1/4 R29E R30E S24 S19 1993
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post alongside the cor.
	Cor. is located on the SE. slope of a ridge, bears NE. and SW, and 53 lks. W. of a utility line, bears N. and S.
64.59	Point for a witness point on line bet. secs. 19 and 24.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	WP T21N R29E R30E S24 S19 1993
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post alongside the cor.
	Cor. is located on a ridge, bears NE. and SW.
79.72	Point for the cor. of secs. 13, 18, 19, and 24, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T21N R29E R30E S13 S18
	S24 S19 1993

CHAINS	
CHAINS	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post alongside the cor.
	N. 0°37' W., bet. secs. 13 and 18.
	Ascend over broken rolling land with moderate juniper.
21.91	Point for a witness point on line bet. secs. 13 and 18.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
·	WP T21N
	R29E R30E
	S13 S18 1993
	Deposit a magnet in a 1 x 1 x 2 $5/8$ ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post alongside the cor.
39.86	Point for the 1/4 sec. cor. of secs. 13 and 18, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T21N
	1/4 R29E R30E
	S13 S18 1993
	Deposit a magnet in a 1 x 1 x 2 $5/8$ ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post alongside the cor.
	Cor. is located 52 lks. E. of a wash, 10 lks. wide, drains SSW.
52.64	Point for a witness point on line bet. secs. 13 and 18.

CHA	MNS
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Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

WP T21N R29E | R30E S13 | S18 1993

Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Set a steel fence post alongside the cor.

Cor. is located on a ridge, bears NE. and SW.

65.26 Point for a witness point on line bet. secs. 13 and 18.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

WP T21N R29E | R30E S13 | S18 1993

Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Set a steel fence post alongside the cor.

End of ascent, leave broken rolling land. Begin descent over gently rolling land.

79.72 Point for the cor. of secs. 7, 12, 13, and 18, at proportionate 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, with brass cap mkd.

T21N R29E | R30E S12 | S 7 S13 | S18 1993

	1. 21 N., N. 30 E., Gila aim Saic Rivel Melidian, Alizona
CHAINS	
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post alongside the cor.
	N. 0°37' W., bet. secs. 7 and 12.
	Descend over gently rolling railed land with intermittent stands of dense juniper.
39.86	Point for the 1/4 sec. cor. of secs. 7 and 12, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T21N 1/4
	R29E R30E S12 S 7 1993
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post alongside the cor.
79.72	Point for the cor. of secs. 1, 6, 7, and 12, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T21N
	R29E R30E S 1 S 6
	S12 S 7 1993
	Deposit a magnet in a 1 x 1 x 2 $5/8$ ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post alongside the cor.

CHAINS				
	N. 0°37' W., bet. secs. 1 and 6.			
	Descend over gently rolling land with dense juniper.			
39.86	Point for the 1/4 sec. cor. of secs. 1 and 6, at proportionate dist.; there is no remaining evidence of the original cor.			
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.			
	T21N 1/4 R29E R30E S 1 S 6 1993			
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.			
	Set a steel fence post alongside the cor.			
79.72	The cor. of Tps. 21 and 22 N., Rs. 29 and 30 E., monumented with a fence cor. with fences bearing E. and S. A juniper post, 29 ins. long, 4 ins. diam., squared on one face, mkd. with 6 grooves on a face, and axe marks on opposite face, laying loose nearby. This is accepted as the best available evidence of the original cor. position.			
	At the cor. point			
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.			
	T22N			
	R29E R30E S36 S31			
	S 1 S 6			
	T21N 1993			
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.			
	Bury the juniper post alongside the stainless steel post.			

CHAINS

Set a steel fence post alongside the cor.

Cor. is located on W. side of the fence cor.

From this cor. point, U.S. Coast and Geodetic Survey triangulation station, "BE 1959", with published latitude of 35°16'56.2090" N. and longitude of 109°10'45.8503" W., NAD27, bears N. 42°35.6' E. (forward bearing), 204.96 chs. dist., monumented with a standard brass disk, 3 ins. diam., cemented flush with the surface of a sandstone outcropping, 5 ft. x 2 ft. x 1 ft. high, with top mkd. BE 1959 and a triangle.

From this same cor. point, the 1/4 sec. cor. of secs. 31 and 36, T. 22 N., Rs. 29 and 30 E., bears N. 0°02' W., 40.14 chs. dist., monumented with a juniper post, 31 ins. long, 5 ins. squared, firmly set, projecting 20 ins. above ground, mkd. IA 36 on E. face and 1/4 on W. face. This is accepted as the best available evidence of the original cor. position.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

T22N 1/4 R29E | R30E S36 | S31 1993

Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Bury the juniper post alongside the stainless steel post.

Set a steel fence post alongside the cor.

Cor. is located in an old fence, bears E. and W., and 90 lks. W. of a wash, 10 lks. wide, drains WNW.

CHAINS	T
Chains	Restoring the survey executed by W. R. Fitzgerald, in 1882
	From the 1/4 sec. cor. of secs. 4 and 33, on the N. bdy. of the Tp. monumented with a juniper post, 5 ins. x 3 ins. square, firmly set, projecting 14 ins. above ground, mkd. IA on SW. face and 1/4 on NW. face. This is accepted as the best available evidence of the original cor. position.
	At the cor. point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T22N R30E S33 1/4 —— S 4 T21N
	1993
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post alongside the cor.
	Cor. is located 30 lks. W. of a track road, 12 lks. wide, bears NNE. and SSW.
	West, bet. secs. 4 and 33.
	Descend over gently rolling land, railed, with some immature juniper.
33.60	Right bank of a wash, 50 lks. wide, 1 ft. deep, drains WNW. from SSE.
38.10	Left bank of same wash, drains WNW. from SSE.
40.06	Left bank of same wash, drains SW. from NE.
40.15	Point for the cor. of secs. 4, 5, 32, and 33, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, and over a steel fence post, with brass cap mkd.
38.10 40.06	Right bank of a wash, 50 lks. wide, 1 ft. deep, drains WNW. from SSE. Left bank of same wash, drains WNW. from SSE. Left bank of same wash, drains SW. from NE. Point for the cor. of secs. 4, 5, 32, and 33, at proportionate dist.; there is no remaining evidence of the original cor. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, and over a steel fence post, with brass

CHAINS	
	T22N R30E S32 S33 S 5 S 4 T21N 1988
	from which
	A juniper, 7 ins. diam., bears S. 55 1/4° E., 152 lks. dist., mkd. T21NR30ES4BT.
	A juniper, 5 ins. diam., bears S. 81 3/4° W., 233 1/2 lks. dist., mkd. T21NR30ES5BT.
	A juniper, 7 ins. diam., bears N. 30 1/2° W., 261 lks. dist., mkd. T22NR30ES32BT.
	Deposit a magnet in a 1 x 1 x 2 $5/8$ ins. white colored plastic case beneath the stainless steel post.
	West, bet. secs. 5 and 32.
	Ascend over gently rolling land with moderate juniper.
1.45	Left bank of same wash, drains NW. from SE.
40.15	The 1/4 sec. cor. of secs. 5 and 32, monumented with a juniper post, 47 ins. long, 3 ins. diam., partially squared, firmly set, projecting 24 ins. above ground, mkd. /4 IA on N. face. Immediately alongside is another juniper post, 36 ins. long, 7 ins. x 5 ins. partially squared, firmly set, projecting 16 ins. above ground, mkd. 4Al. This is accepted as the best available evidence of the original cor. position.
	At the cor. point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.

CHAINS	mag =22=
	T22N R30E S32
	1/4 —
	S 5
	T21N 1988
	from which
	A juniper, 6 ins. diam., bears S. 77 3/4° W., 67 1/2 lks. dist., mkd. 1/4S5BT.
	A juniper, 4 ins. diam., bears N. 46 3/4° W., 44 lks. dist., mkd. 1/4S32BT.
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Bury both juniper posts alongside the stainless steel post.
	Set a steel fence post alongside the cor.
	S. 89°59' W., beginning new measurement.
	Over gently rolling land with moderate juniper.
0.20	Top of ridge, bears NE. and SW. Descend.
39.50	Dirt road, 15 lks. wide, bears ESE. and WNW.
40.10	The cor. of secs. 5, 6, 31, and 32, monumented with a juniper post, 3 ins. square, firmly set, projecting 24 ins. above ground, mkd. IA on N. face, with 5 grooves on E. face, and with 1 groove on W. face. This is accepted as the best available evidence of the original cor. position.
	At the cor. point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

CHAINS				
			T22N S31	R30E S32
			231	532
			s 6	S 5
				21N
			19	988

from which

- A juniper, 3 ins. diam., bears N. 45 3/4° E., 86 lks. dist., mkd. X at breast height and BT at base.
- A juniper, 11 ins. diam., bears S. 68 1/2° E., 71 lks. dist., mkd. T21NR30ES5BT.
- A juniper, 12 ins. diam., bears N. 31° W., 200 1/2 lks. dist., mkd. T22NR30ES31BT.

Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Bury the juniper post alongside the stainless steel post.

Cor. is located 3 lks. S. of a fence cor. with fences extending S. and W.

N. 89°55' W., bet. secs. 6 and 31.

Over gently rolling land with dense juniper along a fenceline.

40.14

The 1/4 sec. cor. of secs. 6 and 31, monumented with a juniper post, 40 ins. long, 4 ins. diam., firmly set, projecting 13 ins. above ground, mkd. 1/4 IA on squared N. face. This is accepted as the best available evidence of the original cor. position.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

T22N R30E S31 1/4 — S 6 T21N 1993

CHAINS	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic
	case beneath the stainless steel post.
	Bury the juniper post alongside the stainless steel post.
	Set a steel fence post alongside the cor.
	·
	N. 89°58' W., beginning new measurement.
34.67	The cor. of Tps. 21 and 22 N., Rs. 29 and 30 E., hereinbefore described.
	Dependent Resurvey, Portion of the Subdivisional Lines, T. 21 N., R. 30 E., Gila and Salt River Mer., Arizona
	Restoring the survey executed by
	W. R. Fitzgerald, in 1882
	From the stan. cor. of secs. 32 and 33, on the S. bdy. of the Tp., hereinbefore described.
	N. 2°10' W., bet. secs. 32 and 33.
	Over rolling land through dense juniper.
32.89	Point for a witness point on line bet. secs. 32 and 33.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	WP
	T21N R30E S32 S33
	1993
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post alongside the cor.
	Cor. is located on top of a spur, slopes SE.
39.56	Point for the 1/4 sec. cor. of secs. 32 and 33, at proportionate dist.; there is no remaining evidence of the original cor.

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

T21N R30E 1/4 S32 | S33 1993

from which

A juniper, 7 ins. diam., bears S. 85 1/2° W., 36 lks. dist., mkd. 1/4S32BT.

Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Set a steel fence post alongside the cor.

79.12

The cor. of secs. 28, 29, 32, and 33, determined by James Shepherd, around 1938, monumented with a fragmented juniper post, 36 ins. long, 3 ins. squared, laying loose on the ground, mkd. with 4 grooves on a face and 1 groove on an another face. This cor. is accepted as a careful and faithful determination of the cor. position.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

T21N	R30E
S29	S28
	S33

from which

A juniper, 18 ins. diam., bears N. 64 1/4° E., 172 1/2 lks. dist., mkd. T21NR30ES28BT.

A juniper, 14 ins. diam., bears S. 32° E., 49 1/2 lks. dist., mkd. T21NR30ES33BT.

Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Bury the juniper post alongside the stainless steel post.

CHAINS	
	Set a steel fence post alongside the cor.
	Cor. is located at the cor. of fences, with fences extending N. and W.
	From the stan. cor. of secs. 31 and 32, on the S. bdy. of the Tp., hereinbefore described.
	N. 1°13' W., bet. secs. 31 and 32.
	Over rolling land through moderate juniper.
39.89	Point for the 1/4 sec. cor. of secs. 31 and 32, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T21N R30E
	1/4 S31 S32
	1993
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Set a steel fence post alongside the cor.

Cor. is located on a SW. slope.

79.78 Point for the cor. of secs. 29, 30, 31 and 32, at proportionate dist.; there is no remaining evidence of the original cor.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T21N	R30E
S30	S29
S31	S32 993

Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

CHAINS

Set a steel fence post alongside the cor.

From this cor. point, the cor. of secs. 19, 20, 29, and 30, determined by James Shepherd, around 1938, bears N. 0°11'E., 79.77 chs. dist., monumented with a juniper post, 26 ins. long, 3 ins. diam., laying loose on the ground, mkd. with 5 grooves on a face and with 2 grooves on an adjoining face. This cor. is accepted as a careful and faithful determination of the cor. position.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Bury the juniper post alongside the stainless steel post.

Set a steel fence post alongside the cor.

Cor. is located 1 1/2 lks. W. of a cor. of fences, extending E. and S.

From the cor. of secs. 28, 29, 32, and 33.

N. 88°48' W., bet. secs. 29 and 32.

Over rolling land with moderate juniper.

8.08 Point for a witness point on line bet. secs. 29 and 32.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.

CHAINS	
	WP T21N R30E S29
	S32 1993
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post alongside the cor.
	Cor. is located 2 lks. N. of a fence, bears E. and W.
40.00	Point for 1/4 sec. cor. of secs. 29 and 32, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T21N R30E
	from which
	A juniper, 12 ins. diam., bears S. 23° E., 54 lks. dist., mkd. 1/4S32BT.
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post alongside the cor.
	Cor. is located 8 1/2 lks. N. of a fence, bears E. and W.
79.27	Fence, bears N. and S.
80.00	The cor. of secs. 29, 30, 31, and 32.
	N. 89°08' W., bet. secs. 30 and 31.
	Over rolling land with moderate juniper.

CHAINS	
19.59	Point for a witness point on line bet. secs. 30 and 31.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	WP T21N R30E S30
	S31 1993
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post alongside the cor.
39.97	Point for 1/4 sec. cor. of secs. 30 and 31, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T21N R30E S30 1/4 ——
	\$31 1993
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post alongside the cor.
48.72	Point for a witness point on line bet. secs. 30 and 31.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	WP T21N R30E S30
	S31 1993

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CH	A	ΙN	S

Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Set a steel fence post alongside the cor.

Cor. is located on the S. edge of a ridge, bears, NE. and SW.

79.66

The cor. of secs. 25, 30, 31, and 36. on the E. bdy. of the Tp., hereinbefore described.

GENERAL DESCRIPTION

Township 21 North, Range 30 East is located approximately 60 miles northeast of Holbrook, Arizona, and the W. bdy. of the township is located 7 miles E. of Sanders, Arizona. The Navajo Indian Reservation boundary is identical with a portion of the south and west boundaries of the township.

The terrain consists of rolling land with numerous stands of juniper forests, with the Zuni and Puerco River Divide transversely dissecting the southwest quarter of the township. The average elevation is 6500 feet above sea level.

Whitewater Arroyo drains the northern portions and Tolapai Draw drains the southwestern portions of the township into the Puerco River, while Hardscrabble Wash drains the southeastern portion of the township into the Zuni River.

Access is provided by numerous dirt roads originating from Sanders, Arizona, or off the Lupton to Sanders School Bus Road from the north and west.

There are some scattered residences in the northern portion of the township and a private ranch in section 30. The remainder of the township is used largely for grazing and wood cutting.

The mean declination is 13 1/2° E. as shown on U.S.G.S. Quadrangle, "TOLAPAI SPRING, ARIZ.", 1971 edition.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Darren R. Breckenridge	Land Surveyor
William P. Carpender	Land Surveyor
Olian T. Shockley	Land Surveyor
Harry K. Smith	Land Surveyor
Robert M. Charboneau	Surveying Technician
Richard E. Glaze	Surveying Technician
Geoffrey A. Graham	Surveying Technician
Luke B. Granger	Surveying Technician
Jimmie James Jr.	Surveying Technician
Robert J. Lyle	Surveying Technician
Johnny R. Ramirez	Surveying Technician
Michael A. Searles	Surveying Technician
Joel D. Ayers	Survey Aid
Gordon R. Bubel Jr.	Survey Aid
Jeffrey A. Hill	Survey Aid
Craig L. McFarland	Survey Aid
Bruce J. Olson	Survey Aid
Rebecca Ramirez	Survey Aid

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CERTIFICATE OF SURVEY

I, Stephen J. Malloy, Cadastral Surveyor, HEREBY CFRTIFY upon honor that, in pursuance of Special Instructions bearing date of the 12th day of January, 1987, and Supplemental Special Instructions bearing date of the 29th day of February, 1988, I have dependently resurveyed the Fifth Standard Parallel North (south boundary), the west boundary, a portion of the north boundary, and a portion of the subdivisional lines, of Township 21 North, Range 30 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; 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.

9/28/93	Styl & Milly
(Date)	(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BURFAU OF LAND MANAGEMENT Arizona State Office Phoenix, Arizona

The foregoing field notes of the dependent resurvey of the Fifth Standard Parallel North (south boundary), west boundary, portion of the north boundary, and a portion of the subdivisional lines, of Township 21 North, Range 30 East, Gila and Salt River Meridian, Arizona, executed by Stephen J. Malloy, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

OCT 5 19 9 3	James P. Helley
(Date)	(Chief Cadastral Surveyor of Arizona)
	CEDITETCATE OF TOANSCOTOT
	CERTIFICATE OF TRANSCRIPT
I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 21 N., R. 30 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.	
(Date)	(Chief Cadastral Surveyor of Arizona)