ORIGINAL

BOOK 5512

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE
DEPENDENT RESURVEY

OF A PORTION

OF THE SOUTH BOUNDARY

AND A PORTION OF THE SUBDIVISIONAL LINES

AND THE

SUBDIVISION OF

SECTION 34

TOWNSHIP 6 SOUTH, RANGE 17 EAST

Of the Gila and Salt River Meridian,
In the State of Arizona

EXECUTED BY

Dale C. Wilson, Cadastral Surveyor

Under Special Instructions dated and approved January 14, 1998, which provided for the surveys included under Group Number 823, and assignment instructions dated January 14, 1998.

Survey Commenced January 20, 1998
Survey Completed January 22, 1998

INDEX DIAGRAM

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T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the south boundary and a portion of the subdivisional lines and the subdivision of section 34, Township 6 South, Range 17 East, Gila and Salt River Meridian, Arizona.

The south boundary and a portion of the subdivisional lines were surveyed by John F. Hesse in 1905. Theodore Vander Meer resurveyed a portion of the south boundary in 1924. William E. Hiester and Theodore Vander Meer resurveyed the remainder of the south boundary, resurveyed a portion of the subdivisional lines and completed the subdivision of the township in 1928-29.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated January 14, 1998, for Group No. 823, Arizona.

Preliminary to the resurvey, the lines of the previous surveys 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.

The directions and lengths of all lines were determined by the global positioning technique of real time kinetic using Trimble model 4400 geodetic units, and refer to the true meridian.

U. S. Coast and Geodetic Survey triangulation station "WAGNER 1947" was used as the control station. Global Positioning System survey using the technique of real time kinetic positioning with Trimble model 4400 geodetic units was used to determine the geographic position of the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., as:

Latitude	Longitude	
32°51'38.31" N.	110°35'14.89" W.	NAD83(1992)

The mean magnetic declination of 12° E., was derived from the U.S. Geological Survey computer program MAGPOINT, utilizing the Regional Magnetic Field Model for Epoch 1995 for the dates of survey.

Dependent Resurvey of a Portion of the South Boundary,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Restoring the resurvey executed by Theodore Vander Meer U.S. Transitman in 1924
	Beginning at the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set in a mound of stone, 4 ft. base, 2 ft. high to top, with brass cap mkd. T6S R17E S34 S35 S3 S2 T7S 1924.
	Add the marks 1998 to the brass cap.
	Cor. falls on a 58° N. slope.
	From this cor. point, U. S. Coast and Geodetic Survey triangulation station "WAGNER 1947", with published latitude of 32°51'27.3228" N., and published longitude of 110°40'13.3927" W., NAD 83(1992), monumented with a brass tablet 3 ins. diam., set flush in the top a concrete post 12 ins. square, firmly set projecting 1 in. above the ground inscribed U.S. COAST & GEODETIC SURVEY and stamped WAGNER 1947, bears S. 87°31'29" W. (forward bearing), 386.22 chs. dist.
	S. 89°45' W., bet. secs. 3 and 34.
	Over steep, mountainous, rocky terrain, through scattered Mesquite, Palo Verde, Creosote, Catclaw and assorted cactus.
39.35	Point for the 1/4 sec. cor. of sec. 34 only, at proportionate distance from the opposing sec. cors.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, encircled with a collar of stone 4 ft. base to top with brass cap mkd. T6S R17E 1/4 S34 — T7S 1998
	Deposit a magnet in a white plastic case beneath the stainless steel post.
	Cor. falls on a 40° N. slope.

Dependent Resurvey of a Portion of the South Boundary,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.06	A reinforcement rod, 5/8 in. diam., firmly set, projecting 14 ins. above the ground, with an aluminum cap mkd. LS 1052 34 1/4 8.71, set by Sydney Kain, Arizona Professional Land Surveyor No. 1052, date unknown, not recorded. This monument was apparently established at record distance from the 1/4 sec. cor. of sec. 3 only, T. 7 S., R. 17 E., and is not utilized to control the subdivision of sec. 34.
40.79	The 1/4 sec. cor. of sec. 3 only, T. 7 S., R. 17 E., monumented with an iron post, 1 in. diam., firmly set, in a mound of stone, 3 ft. base, 1 ½ ft. high to top, with brass cap mkd. 1/4 S3 1924. This cor. was purportedly established at midpoint on the N. bdy. of sec. 3 during the 1924 resurvey. An apparent blunder occurred during the resurvey; therefore, this position was not utilized to control the position of the 1/4 sec. cor. of sec. 34 only. Cor. falls in a meandering fence extending N. and S.
80.16	The cor. of secs. 3, 4, 33 and 34, monumented with an iron post, 2 ins. diam., firmly set, projecting 19 ins. above ground, with brass cap mkd. T6S R17E S33 S34 S4 S3 T7S 1924. Found a granite stone, 14x12x9 ins., lying loose 1 ½ ft. down hill to the S., mkd. 3 grooves on opposite faces. Bury the mkd. stone alongside and raise a supporting mound of stone, 3 ft. base to top. Add the marks 1998 to the brass cap. Corner falls in the corner of fences extending N., S. 80° E. and W.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

Restoring the resurvey executed by
William E. Hiester, U. S. Surveyor, and
Theodore Vander Meer, U. S. Transitman, in 1928-29

From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., hereinbefore described.

N. 0°05′ E., bet. secs. 34 and 35.

Over steep, mountainous, rocky terrain, through scattered Mesquite, Palo Verde, Creosote, Catclaw and assorted cactus.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS	
38.99	The 1/4 sec. cor. of sec. 34 only, monumented with granite stone, 19x12x12 ins., firmly set 11 ins. in the ground, plainly mkd. 1/4 on W. face, with an iron pipe 1 in. diam., firmly set alongside, projecting 22 ins. above ground, and a mound of stone, 3 ft. base, 1 ½ ft. high to the W., with brass cap mkd. 1/4 S34 1928. At the corner point Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, encircled by a collar of stone, 3 ½ ft. base to top with brass cap mkd. T6S R17E 1/4 S34 | 1998 Bury the mkd. stone and iron post alongside the stainless steel post. Deposit a magnet in a white plastic case beneath the stainless steel post. Retain the mound of stone to the W. --- N. 0°02′ E., beginning new measurement. Over steep, mountainous, rocky terrain, through scattered Mesquite, Palo Verde, Creosote, Catclaw and assorted cactus.
1.04	The 1/4 sec. cor. of sec. 35 only, monumented with an iron post, 1 in. diam., firmly set, projecting 15 ins. above ground, with a mound of stone, 4 ft. base, 1 ½ ft. high to the W., with brass cap mkd. 1/4 S35 1928.
40.14	The cor. of secs. 26, 27, 34 and 35, monumented with a granite stone, 16x15x14 ins., firmly set 8 ins. in the ground, plainly mkd. 1 groove on S. face and 2 grooves on E. face, with a mound of stone 4 ft. base, 1 ½ ft. high to the W. At the corner point Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T6S R17E S27 | S26 ---+--- S34 | S35 1998

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Bury the mkd. stone alongside and deposit a magnet in a white plastic case beneath the stainless steel post.
	From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., hereinbefore described.
	N. 0°01′ E., bet. secs. 33 and 34.
	Over steep, mountainous, rocky terrain, through scattered Mesquite, Palo Verde, Creosote, Catclaw and assorted cactus.
39.79	The 1/4 sec. cor. of sec. 33 only, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above ground, with a mound of stone, 4 ft. base, 2 ½ ft. high to the W., with brass cap mkd. 1/4 S33 1928.
40.15	The 1/4 sec. cor. of sec. 34 only monumented with a granite stone, 17x12x8 ins., firmly set 11 ins. in the ground, plainly mkd. 1/4 on W. face, with an iron pipe 1 in. diam., firmly set alongside, projecting 19 ins. above ground, in a mound of stone 4 ft. base, 1 ½ ft. high, with brass cap mkd. 1/4 S34 1928.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a supporting mound of stone, 4 ft. base, 3 ½ ft. high, with brass cap mkd.
	T6S R17E 1/4 |S34 1998
	Bury the mkd. stone and iron post alongside the stainless steel post. Deposit a magnet in a white plastic case beneath the stainless steel post.
	Corner falls on steep SW. slope 21 lks. N. of a fence extending E. and W.
	N. 0°02′ W., beginning new measurement.
	Over steep, mountainous, rocky terrain, through scattered Mesquite, Palo Verde, Creosote, Catclaw and assorted cactus.
19.71	Point for the N. 1/16 sec. cor. of sec. 34, not monumented.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS	
37.53	The 1928 witness cor. to the cor. of secs. 27, 28, 33 and 34, monumented with an iron post, 2 ins. diam., firmly set, projecting 16 ins. above the ground, encircled by a scattered collar of stone, with brass cap mkd. WC T6S R17E S28 S27 S33 S34 1928. Add the marks 1998 to the brass cap and rebuild the collar of stone 4 ft. base, to top. Cor. falls in a fence extending N. and S., on a steep N. slope.
39.42	True point for the cor. of secs. 27, 28, 33 and 34, at record distance from the 1928 witness cor., falls in a wash, 150 lks. wide, course S. 70° E. The original witness cor. to the cor. of secs. 27, 28, 33 and 34, was searched for at record distance from the 1928 witness cor., falls on steep, crumbly, decomposing granite embankment facing N., there is no remaining evidence of the witness cor. position.
	From the cor. of secs. 26, 27, 34 and 35. N. 89°58' W., bet. secs. 27 and 34. Over steep, mountainous, rocky terrain, through scattered Mesquite, Palo Verde, Creosote, Catclaw and assorted cactus.
40.15	The 1/4 sec. cor. of secs. 27 and 34, determined in a mound of stone, 4 ft. base, 2 ft. high, at the corner of fences extending E. and S., on a 50° SE. slope, with an iron pipe 1 in. diam., 46 ins. long, hanging in the wire, and a granite stone 18x12x8 ins., plainly mkd. 1/4 on a face, lying loose at the base of SE. slope, 15 lks. dist. At the corner point Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a supporting mound of stone, 4 ft. base, 3 ½ ft. high, with brass cap mkd. T6S R17E S27 1/4 —— S34 1998

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Bury the mkd. stone and iron pipe alongside the stainless steel post. Deposit a magnet in a white plastic case beneath the stainless steel post.
	N. 89° 54′ W., beginning new measurement.
	Over steep, mountainous, rocky terrain, through scattered Mesquite, Palo Verde, Creosote, Catclaw and assorted cactus.
20.04	Point for the W. 1/16 sec. cor of secs. 27 and 34, not monumented.
40.08	The true point for the cor. of secs. 27, 28, 33 and 34.
	Subdivision of Section 34, T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona
	From the 1/4 sec. cor. of sec. 34 only, on the S. bdy. of the Tp.
	N. 0°32′ W., on the N. and S. center line of sec. 34.
	Over steep, mountainous, rocky terrain, through scattered Mesquite, Palo Verde, Creosote, Catclaw and assorted cactus.
39.57	Point for the center 1/4 sec. cor. of sec. 34, at intersection with the E. and W. center line of sec. 34, not monumented.
59.45	Point for the center N. 1/16 sec. cor. of sec. 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, encircled with a collar of stone, 3 ft. base, to top, with brass cap mkd. T6S R17E C N 1/16 | S34 C 1998
	Deposit a magnet in a white plastic case beneath the stainless steel post.
	From this cor. point, a corner of fences extending N. and W. bears S. 87° W., 16 lks. dist.
79.33	The 1/4 sec. cor. of secs. 27 and 34.

Subdivision of Section 34,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS	
	From the 1/4 sec. cor. of sec. 34 only, on the line bet. secs. 34 and 35.
	N. 89°26' W., on the E. and W. center line of sec. 34.
	Over steep, mountainous, rocky terrain, through scattered Mesquite, Palo Verde, Creosote, Catclaw and assorted cactus.
39.77	The point for the center 1/4 sec. cor. of sec. 34.
59.985	Point for the center W. 1/16 sec. cor. of sec. 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, encircled with a collar of stone, 3 ft. base to top, with brass cap mkd.
	T6S R17E W 1/16 C ——— C S34 1998
	Deposit a magnet in a white plastic case beneath the stainless steel post.
	From this cor. point, a reinforcement rod, 5/8 in. diam., firmly set, projecting 14 ins. above the ground, in a corner of fences extending N. and E., with an aluminum cap mkd. 1052 W1/16 .71, bears S. 89° W., 22 lks. dist., established by Sydney Kain, Arizona Professional Land Surveyor No. 1052, date unknown, not recorded.
80.20	The 1/4 sec. cor. of sec. 34 only, on the line bet. secs. 33 and 34.
	NW 1/4
	From the center W. 1/16 sec. cor of sec. 34.
	N. 0°17' W., on the N. and S. center line of the NW 1/4 of sec. 34.
	Over steep, mountainous, rocky terrain, through scattered Mesquite, Palo Verde, Creosote, Catclaw and assorted cactus.
19.80	Point for the NW. 1/16 sec. cor. of sec. 34, at intersection with the E. and W. center line of the NW. 1/4 of sec. 34.

Subdivision of Section 34,
T. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd. T6S R17E NW 1/16 S34 1998 Deposit a magnet in a white plastic case beneath the stainless steel post. From this cor. point, a corner of fences extending S. 75° E. and S. 22° W., bears N. 88° W., 10 lks. dist.
39.60	The point for the W. 1/16 sec. cor. of secs. 27 and 34.
	From the center N. 1/16 sec. cor. of sec. 34. N. 89°40' W., on the E. and W. center line of the NW 1/4 of sec. 34. Over steep, mountainous, rocky terrain, through scattered Mesquite, Palo Verde, Creosote, Catclaw and assorted cactus.
20.13	The NW. 1/16 sec. cor. of sec. 34.
40.26	The point for the N. 1/16 sec. cor. of sec. 34 only, on the line bet. secs. 33 and 34.
	GENERAL DESCRIPTION The area surveyed is located approximately 6 miles east of Feldman, Arizona. The area is steep, mountainous, broken terrain with an average elevation of 2600 feet above sea level. Aravaipa Creek traverses southwesterly through the center of the section. Access is provided by Aravaipa Road, (graded gravel). There are a number of residences along Aravaipa Creek with evidence of mineral locations throughout the area. The mean magnetic declination is 12° E.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Cheryl A. Hansen	Surveying Technician
Geoffrey A. Graham	Surveying Technician
Mark R. Searles	Surveying Technician

CERTIFICATE OF SURVEY

I, Dale C. Wilson, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing the date of the 14th day of January, 1998, I have dependently resurveyed a portion of the south boundary and a portion of the subdivisional lines, and subdivided section 34, Township 6 South, Range 17 East, Gila and Salt River Meridian, in the State of Arizona, which is 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.

3/30/98
(Date)

Dale C Wilson
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion the south boundary and a portion of the subdivisional lines, and the subdivision of section 34, Township 6 South, Range 17 East, Gila and Salt River Meridian, Arizona, executed by Dale C. Wilson, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

4/08/98
(Date)

Kenny D Lavinkar
(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. 6 S., R. 17 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~