BOOK 5578

# ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF

PORTIONS OF THE WEST BOUNDARY

AND SUBDIVISIONAL LINES,

THE SUBDIVISION OF SECTION 19,

AND A METES-AND-BOUNDS SURVEY

IN SECTION 19,

TOWNSHIP 18 SOUTH, RANGE 14 EAST,

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

EXECUTED BY

William F. Olver, Cadastral Surveyor

Under Special Instructions dated and approved October 22, 1999, which provided for the surveys included under Group Number 846 and assignment instructions dated October 25, 1999.

Survey Commenced November 1, 1999
Survey Completed December 29, 1999

INDEX DIAGRAM

TOWNSHIP 18 SOUTH, RANGE 14 EAST,

GILA AND SALT RIVER MERIDIAN, ARIZONA

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

Subdivision of Sec. 19 pp. 7-12
Metes-and-Bounds Survey pp. 12-13

T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of portions of the west boundary and subdivisional lines, the subdivision of section 19, and a metes-and-bounds survey in section 19, Township 18 South, Range 14 East, Gila and Salt River Meridian, Arizona.

The boundaries and subdivisional lines of the township were originally surveyed by Theodore F. White in 1872-73. The boundaries of the San Ignacio de la Canoa Land Grant were originally surveyed by John L. Harris in 1880. Portions of the boundaries of the San Ignacio de la Canoa Land Grant, and portions of the west boundary and subdivisional lines of the township were dependently resurveyed by Philip Contzen in 1900-02. The north, east and west boundaries and subdivisional lines of the township were dependently resurveyed by Raymond F. Moss in 1941.

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 October 22, 1999, for Group No. 846, Arizona.

The directions of all lines were determined, and distances measured by the technique of differential positioning using Trimble Navigation 4700 Series Global Positioning System receivers utilizing the Real-Time Kinematic technique.

The geographic position of the corner of sections 19, 24, 25, and 30, on the west boundary of the township, was determined by the technique of differential positioning using the Trimble Navigation 4700 Series Global Positioning System receivers utilizing the Real-Time Kinematic technique. First order National Geodetic Survey triangulation station "NN-60 1990" was used as the control station. The geographic position is as follows:

Lat.: 31°50'28.268" N. Long.: 110°57'37.936" W. NAD83(1992)

The mean magnetic declination is 11 3/4° E.

Dependent Resurvey of a Portion of the West Boundary,
T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona

| CHAINS | |
|---|---|
| | Restoring the resurvey executed by<br>Raymond F. Moss in 1941 |
| | Beginning at the cor. of secs. 19, 24, 25, and 30, on the W. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 9 ins. above ground, with a mound of stone, 2 ft. base, 1 ft. high, to the W., with brass cap mkd. |
| | T18S<br>R13E \| R14E<br>S24 \| S19<br>S25 \| S30<br>1941 |
| | Add the marks 1999 to the brass cap. |
| | Cor. is located 2 lks. N. of a wood post serving as cor. of barbed wire fences, 4 strands, extending E. and NW. |
| | From this cor. point, National Geodetic Survey triangulation station "NN-60 1990", bears N. 39°04.6′ W., 5.615 chs. dist., monumented with a stainless steel rod, 1/2 in. diam., set inside an aluminum monument well, with rim mkd. NN-60 1990. |
| | N. 0°01′ W., bet. secs. 19 and 24. |
| | Over nearly level land. |
| 4.64 | A brass tablet, 2 ins. diam., set flush with surface of asphalt pavement, at center of Continental/Madera Canyon Road, 18 ft. wide, bears ESE and WNW, with top mkd. PCHD. |
| 20.105 | The S 1/16 sec. cor. of secs. 19 and 24, monumented with an iron pipe, 1 1/4 ins. diam., firmly set, projecting 2 ins. above a concrete collar, with lead cap, 2 ins. diam., mkd. LS 4399, set by John H. Stitzer, Arizona Registered Land Surveyor, in 1973, and portrayed on Record of Survey filed in Book 1, Page 2 at the Pima County Recorders Office in Tucson, Arizona; and is accepted as a careful and faithful determination of the cor. position. |
| | Impracticable to remonument. |
| | Cor. is located in a concrete collar, 2 ft. diam., 0.8 lk. E. of an iron pipe, 7 ins. diam., serving as cor. of barbed wire fence, 4 strands, extending N. and S., and a barbed wire fence, 5 strands, extending E. |

Dependent Resurvey of a Portion of the West Boundary,
T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona

| CHAINS | |
|---|---|
| | N. 0°01′ W., beginning new measurement. |
| | Over nearly level land. |
| 20.105 | The 1/4 sec. cor. of secs. 19 and 24, monumented with an iron post, 1 in. diam., firmly set, flush with a mound of stone, 1 1/2 ft. base, 15 ins. high, with a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, to the W., with brass cap mkd.<br><br>1/4<br>S24 \| S19<br>1941<br><br>Remark the brass cap to read<br><br>T18S<br>R13E R14E<br>1/4<br>S24 \| S19<br>1999<br>1941<br><br>from which the 1902 bearing trees<br><br>A mesquite, 6 ins. diam., bears N. 45 1/4° E., 54 lks. dist., with marks 4 S19 BT visible on a partially healed blaze.<br><br>A weathered mesquite stump, 5 ins. diam., bears S. 63 3/4° W., 13 lks. dist., with no visible marks.<br><br>Cor. is located 1 lk. W. of a barbed wire fence, 4 strands, bears N. and S. |

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona

Restoring the resurvey executed by
Raymond F. Moss in 1941

From the 1/4 sec. cor. of secs. 19 and 30, monumented with an iron post, 1 in. diam., firmly set, projecting 11 ins. above ground, with a mound of stone, 2 1/2 ft. base, 1 ft. high, to the N., with brass cap mkd.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona

| CHAINS | |
|---|---|
| | 1/4 S19/S30<br>1941 |
| | Remark the brass cap to read |
| | T18S R14E<br>1/4 S19/S30<br>1999<br>1941 |
| | from which the 1941 bearing trees |
| | A mesquite, 5 ins. diam., bears N. 70 1/2° E., 70 lks. dist., with marks 1/4 S19 BT visible on an open blaze. |
| | A mesquite, 6 ins. diam., bears S. 41 1/4° W., 80 lks. dist., with marks 4 30 B visible on a deteriorated partially healed blaze. |
| | Cor. is located 84 lks. N. of a barbed wire fence, 4 strands, bears E. and W. |
| | S. 88°52′ W., bet. secs. 19 and 30. |
| | Over nearly level land. |
| 20.022 | The W 1/16 sec. cor. of secs. 19 and 30, monumented with an iron pipe, 1 1/4 ins. diam., firmly set, projecting 7 ins. above ground, with lead cap, 2 ins. diam., mkd. LS 4399 1/16, set by John H. Stitzer, Arizona Registered Land Surveyor, in 1973, and portrayed on Record of Survey filed in Book 1, Page 2 at the Pima County Recorders Office in Tucson, Arizona; and 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., 24 ins. in the ground, with brass cap mkd. |
| | T18S R14E<br>W 1/16 S19/S30<br>1999 |

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona

| CHAINS | |
|---|---|
| | Insert the iron pipe with lead cap, 22 ins. long, inside the stainless steel post, and deposit a magnet enclosed in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. |
| | Cor. is located 1 lk. E. of a galvanized steel post serving as cor. of a chainlink and barbed wire fence at SE cor. of a communications site, fence extends N. and W. |
| | S. 88°52′ W., beginning new measurement. |
| | Over nearly level land along S. edge of a chainlink and barbed wire fence enclosure. |
| 0.92 | Point selected for AP 3 of a metes-and-bounds survey in sec. 19. |
| | Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd. |
| | T18S R14E<br>S19 \| AP3<br>S30<br>1999 |
| | Deposit a magnet enclosed in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. |
| | Cor. is located 1.4 lks. SW of a galvanized steel post serving as cor. of a chainlink and barbed wire fence at SW cor. of a communications site, fence extends N. and E. |
| 6.14 | A brass tablet, 2 ins. diam., set flush with surface of asphalt pavement, at center of Continental/Madera Canyon Road, 18 ft. wide, bears ESE and WNW, with top mkd. PCHD. |
| 18.914 | The cor. of secs. 19, 24, 25, and 30, on the W. bdy. of the Tp., hereinbefore described. |
| | Subdivision of Section 19,<br>T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona |
| | From the 1/4 sec. cor. of secs. 19 and 30, hereinbefore described. |
| | N. 0°35′ E., on the N. and S. centerline of sec. 19. |

Subdivision of Section 19,
T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona

| CHAINS | |
|---|---|
| | Over nearly level land. |
| 19.98 | The center S 1/16 sec. cor. of sec. 19, monumented with an iron pipe, 1 1/4 ins. diam., firmly set, projecting 2 ins. above ground, with lead cap, 2 ins. diam., mkd. LS 4399 1/16, set by John H. Stitzer, Arizona Registered Land Surveyor, in 1973, and portrayed on Record of Survey filed in Book 1, Page 2 at the Pima County Recorders Office in Tucson, Arizona; and 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., 22 ins. in the ground, with brass cap mkd. |
| | T18S R14E<br>C<br>S1/16 \| S19<br>C<br>1999 |
| | Insert the iron pipe with lead cap, 18 ins. long, inside the stainless steel post, and deposit a magnet enclosed in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. |
| | N. 0°35′ E., beginning new measurement. |
| | Over nearly level land. |
| 19.98 | The center 1/4 sec. cor. of sec. 19, monumented with an iron pipe, 1 1/4 ins. diam., firmly set, projecting 2 ins. above ground, with lead cap, 2 ins. diam., mkd. LS 4399 1/16, set by John H. Stitzer, Arizona Registered Land Surveyor, in 1973, and portrayed on Record of Survey filed in Book 1, Page 2 at the Pima County Recorders Office in Tucson, Arizona; and is accepted as a careful and faithful determination of the cor. position. |
| | Not remonumented. |
| | N. 0°35′ E., beginning new measurement. |
| | Over nearly level land. |
| 39.56 | The 1/4 sec. cor. of secs. 18 and 19, monumented with an iron post, 1 in. diam., firmly set, flush with a mound of stone, 2 ft. base, 11 ins. high, with a mound of stone, 3 ft. base, 2 ft. high, to the N., with brass cap mkd. |

Subdivision of Section 19,
T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona

| CHAINS | |
|---|---|
| | S18<br>1/4 ——<br>S19<br>1941 |
| | Remark the brass cap to read |
| | T18S R14E<br>S18<br>1/4 ——<br>S19<br>1999<br>1941 |
| | From the 1/4 sec. cor. of secs. 19 and 20, monumented with an iron post, 1 in. diam., firmly set, projecting 7 ins. above ground, with a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, to the W., with brass cap mkd. |
| | 1/4<br>S19 \| S20<br>1941 |
| | Remark the brass cap to read |
| | T18S R14E<br>1/4<br>S19 \| S20<br>1999<br>1941 |
| | from which the remaining 1941 bearing tree |
| | A mesquite, 7 ins. diam., bears S. 37 1/2° W., 1.09 chs. dist., with marks 1/4 S19 BT visible on a partially healed blaze. |
| | S. 89°15′ W., on the E. and W. centerline of sec. 19. |
| | Over nearly level land. |
| 39.41 | The center 1/4 sec. cor. of sec. 19. |
| | S. 89°15′ W., beginning new measurement. |
| | Over nearly level land. |

Subdivision of Section 19,
T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona

| CHAINS | |
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| 20.26 | Point for the center W 1/16 sec. cor of sec. 19, at proportionate dist. based on parenthetical distances derived from acreages established by the 1873 original township plat.<br><br>Not monumented. |
| 39.35 | The 1/4 sec. cor. of secs. 19 and 24, on the W. bdy. of the Tp., hereinbefore described. |
| | SW 1/4 |
| | From the W 1/16 sec. cor. of secs. 19 and 30, hereinbefore described.<br><br>N. 0°15′ E., on the N. and S. centerline of the SW 1/4 of sec. 19.<br><br>Over nearly level land through a chainlink and barbed wire fenced communications site enclosure. |
| 0.915 | Intersect chainlink and barbed wire fence on N. side of a communications site main enclosure, bears E. and W., the NE cor. of which bears East, 2.9 lks. dist., a galvanized steel post serving as cor. of a chainlink and barbed wire fence extending N., S. and W.<br><br>Thence through a smaller chainlink and barbed wire fence enclosure surrounding the apparent power supply for a communications site. |
| 1.04 | Intersect chainlink and barbed wire fence on N. side of smaller enclosure, bears E. and W., the NE cor. of which bears East, 2.6 lks. dist., a galvanized steel post serving as cor. of a chainlink and barbed wire fence extending S. and W., and a chainlink fence extending N. |
| 1.05 | Point selected for a witness point on the N. and S. centerline of the SW 1/4 of sec. 19.<br><br>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. |

Subdivision of Section 19,
T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona

| CHAINS | |
|---|---|
| | WP<br>T18S R14E<br>W<br>\| S19<br>W<br>1999 |
| | Deposit a magnet enclosed in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. |
| | Thence continue across fenced grounds of Continental School. |
| 7.92 | A galvanized steel post serving as a fence cor. bears East, 5.5 lks. dist., with chainlink fence extending S. and W., and barbed wire fence extending N. |
| | Thence leave developed area of Continental School. |
| 20.045 | Point for the SW 1/16 sec. cor. of sec. 19, at intersection with the E. and W. centerline of the SW 1/4 of sec. 19. |
| | Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. |
| | T18S R14E<br>SW1/16 S19<br>1999 |
| | Deposit a magnet enclosed in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. |
| | Cor. is located 0.7 lk. S. of a barbed wire fence, 5 strands, bears E. and W., and 11 lks. W. of an iron pipe, 7 ins. diam., set in a concrete collar, 2 ft. diam., serving as cor. of a barbed wire fence, 5 strands, extending S. and W. |
| | From this cor. point, an iron pipe, 1 1/4 ins. diam., firmly set in a concrete collar, projecting 5 ins. above ground, bears East, 0.117 ch. dist., with lead cap mkd. LS 4399, established by John H. Stitzer, Arizona Registered Land Surveyor, in 1973, and portrayed on Record of Survey filed in Book 1, Page 2 at the Pima County Recorders Office in Tucson, Arizona; was established using improper procedures and is not utilized during the course of this survey. |
| 40.09 | Point for the center W 1/16 sec. cor. of sec. 19. |
| | From the center S 1/16 sec. cor. of sec. 19. |

Subdivision of Section 19,
T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona

| CHAINS | |
|---|---|
| | S. 89°03′ W., on the E. and W. centerline of the SW 1/4 of sec. 19. |
| | Over nearly level land. |
| 20.14 | The SW 1/6 sec. cor. of sec. 19. |
| | Thence along a barbed wire fence, 5 strands. |
| 39.14 | The S 1/16 sec. cor. of secs. 19 and 24, on the W. bdy. of the Tp., hereinbefore described. |

Metes-and-Bounds Survey in Section 19,
T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona

| | |
|---|---|
| | From the W 1/16 sec. cor. of secs. 19 and 30, hereinbefore described. |
| | N. 5°40′ E., on the E. bdy. of a metes-and-bounds survey in sec. 19. |
| | Over level land. |
| 1.057 | Point selected for AP 1. |
| | Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, encircled with a collar of stone, with brass cap mkd. |

T18S R14E
AP1 | S19
1999

| | |
|---|---|
| | Cor. is located 7 lks. E. of a chainlink fence, bears N. and S. |
| | S. 88°52′ W., on line 1-2. |
| | Over level land. |
| 0.10 | The witness point on the N. and S. centerline of the SW 1/4 of sec. 19, hereinbefore described. |

Subdivision of Section 19,
T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona

| CHAINS | |
|---|---|
| 0.19 | A galvanized steel post serving as NW cor. of a small chainlink and barbed wire fence enclosure surrounding the apparent power supply for a communications site, bears South, 0.5 lk. dist., chainlink and barbed wire fence extends E. and S. |
| 1.02 | Point selected for AP 2. |
| | Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.<br><br>T18S R14E<br>S19<br>AP2<br>1999 |
| | S. 0°15′ W., on Line 2-3. |
| | Over level land. |
| 0.13 | A galvanized steel post serving as NW cor. of a small chainlink and barbed wire fence enclosure surrounding a communications site, bears East, 1 lk. dist., chainlink and barbed wire fence extends E. and S. |
| 1.05 | AP 3, on the line bet. secs. 19 and 30, hereinbefore described. |

T. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

The area surveyed is located about 2 1/2 miles east of Interstate 19, just southeast of the community of Green Valley. Continental School and a communication site with a high tower are located in the extreme southwestern portion of section 19. The terrain is nearly level, interrupted by numerous arroyos. Drainage is northwesterly.

The elevation varies is about 3000 feet above sea level. Soil is predominantly naturally compacted sand, gravel and small rocks. The vegetation is typical Sonoran desert growth, dominated by mesquite, cholla and prickly pear.

The principal access to section 19 is Continental/Madera Canyon Road. There is no mining activity in the township.

The mean magnetic declination is 11 3/4° E, as derived from the United States Geological Survey computer program GEOMAGIX utilizing the Regional Magnetic Field Model for Epoch 1995 for the dates of survey.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

| NAMES | CAPACITY |
|---|---|
| Dale C. Wilson | Cadastral Surveyor |
| Robert J. Lyle | Surveying Technician |
| Dean MacDonald | BLM Volunteer |
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CERTIFICATE OF SURVEY

I, William F. Olver, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 22nd day of October, 1999, I have dependently resurveyed portions of the west boundary and subdivisional lines, subdivided section 19, and executed a metes-and-bounds survey in section 19, Township 18 South, Range 14 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, 1973, and in specific manner described in the foregoing field notes.

January 24, 2000
(Date)

William F. Olver
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of portions of the west boundary and subdivisional lines, the subdivision of section 19, and a metes-and-bounds survey in section 19, Township 18 South, Range 14 East, Gila and Salt River Meridian, Arizona, executed by William F. Olver, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

February 16, 2000
(Date)

Kenny S. Ravenkar
(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. 18 S., R. 14 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~