

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE

SUBDIVISIONAL LINES, AND THE SURVEY

OF THE

SUBDIVISION OF SECTION 27

TOWNSHIP 19 NORTH, RANGE 24 EAST

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

EXECUTED BY

Duane R. Garoutte, Cadastral Surveyor

Under special instructions dated June 29, 1987, approved June 29, 1987
which provided for the surveys included under Group Number
696 and assignment instructions dated June 29, 1987.

Survey commenced July 15, 1987

Survey completed July 29, 1987

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T 19 N, R 24 E, Gila and Salt River Mer., Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, and the survey of the subdivision of section 27, Township 19 North, Range 24 East, Gila and Salt River Meridian, Arizona.

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

The east boundary (6th Guide Meridian East) and subdivisional lines were surveyed by Henry Meyrick Jr., in 1882. The west boundary of section 27 was resurveyed by Benjamin J. Kinsey in 1938. The north $4\frac{1}{2}$ miles of the east boundary (6th Guide Meridian East) were resurveyed by Stephen J. Malloy and Kenneth W. Bays in 1987.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated June 29, 1987, for Group No. 696, Arizona.

Before restoring the corners, the lines of the previous surveys were retraced and a diligent search was made for any evidence of the original corners and other calls of record. The rules of proportionate measurement were applied to ascertain the position of the lost corners, but not until exhausting every reasonable possibility of finding direct evidence for control of each particular corner. Where available, private surveys were used to reestablish lost corners. The retracement data were thoroughly verified and only the true line field notes are given herein.

The directions of all lines were determined by observations on a U.S. Coast and Geodetic Survey triangulation network and carried forward by sustained angulation and refer to the true meridian. Distances and angles were measured with a Hewlett Packard 3820 Total Station instrument.

The geographic position of the southeast corner of section 27, as determined from a traverse tie made to U.S. Coast and Geodetic Survey triangulation station "PAT", located in the SW quarter of section 16, is as follows:

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Latitude: 35°00'39.4" N Longitude: 109°46'18.3" W

The mean magnetic declination, as shown on U.S. Geological Survey quadrangle map "KACHINA POINT, ARIZ.," published in 1972, is 13½° E.

Dep. Res., a Portion of the Subdivisional Lines,
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Reestablishment of the survey executed by
Henry Meyrick Jr., in 1882

Beginning at the cor. of secs. 26, 27, 34, and 35, reestablished by Robert S. Shaw, Land Surveyor No. 5570, in 1974, monumented with an open end pipe, 36 ins. long, ½ in. diam., firmly set, projecting 24 ins. above ground, with attached tag mkd. LS 5570. A deteriorating fence post was found alongside. Shaw's plat shows this corner position was reestablished using proper procedures and is accepted as a careful and faithful reestablishment of the position of the original corner.

At the cor. point

Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T19N R24E

S27 | S26

S34 | S35

1987

Insert the open end pipe inside the stainless steel post and deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.

Remove the deteriorating fence post and set a steel fence post alongside the cor.

Raise a mound of stone, 2½ ft. base, 1½ ft. high, W of cor.

N 1°30' E, bet. secs. 26 and 27.

Over nearly level land.

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<p>CHAINS 39.69</p>	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 26 and 27, at proportionate dist.; there is no evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T19N R24E $\frac{1}{4}$ S27 S26 1987</p> <p>Deposit a magnet in a 1 x 1 x $2\frac{5}{8}$ in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>Raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W of cor.</p>	
<p>49.00</p>	<p>Dead Wash, 3 chs. wide, drains SW.</p>	
<p>79.38</p>	<p>Point for the cor. of secs. 22, 23, 26, and 27, at proportionate dist.; there is no evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T19N R24E S22 S23 S27 S26 1987</p> <p>Deposit a magnet in a 1 x 1 x $2\frac{5}{8}$ in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>Raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W of cor.</p> <p>From this point the cor. of secs. 19, 24, 25, and 30, on the E Bdy. of the Tp., bears N $89^{\circ}49'$ E, 158.97 chs. dist., monumented with a stainless steel post, $2\frac{1}{2}$ ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. as described in the official record of</p>	

Dep. Res., a Portion of the Subdivisional Lines,
T 19 N, R 24 E, Gila and Salt River Mer., Arizona

<p>CHAINS</p>	<p>the 1987 dependent resurvey of a portion of the W bdy. of T 19 N, R 25 E. A steel fence post was found set nearby. This cor. is located 1.20 chs. E of fence, bears N and S.</p> <p>This control line was fully retraced and careful search was made for evidence of intervening corners, none of which was recovered.</p> <hr/> <p>N 0°47' W, bet. secs. 22 and 23.</p> <p>Over nearly level land.</p> <p>39.68 Point for the $\frac{1}{4}$ sec. cor. of secs. 22 and 23, at proportionate dist.; there is no evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T19N R24E $\frac{1}{4}$ S22 S23 1987</p> <p>Deposit a magnet in a 1 x 1 x $2\frac{5}{8}$ in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>Raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W of cor.</p> <p>79.36 The cor. of secs. 14, 15, 22, and 23, reestablished by Robert S. Shaw, Land Surveyor No. 5570, in 1974, monumented with an open end pipe, 36 ins. long, $\frac{1}{2}$ in. diam., loosely set, bent over, projecting 24 ins. above ground, with attached tag mkd. IS 5570. Shaw's plat shows this corner position was reestablished using proper procedures and is accepted as a careful and faithful reestablishment of the position of the original corner.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>	
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Dep. Res., a Portion of the Subdivisional Lines,
T 19 N, R 24 E, Gila and Salt River Mer., Arizona

CHAINS	
	<p style="text-align: center;">T19N R24E $\frac{S15}{S22} \mid \frac{S14}{S23}$ 1987</p> <p>Insert the open end pipe inside the stainless steel post and deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>Raise a mound of stone, 2½ ft. base, 1½ ft. high, W of cor.</p>
	<p>From the cor. of secs. 26, 27, 34, and 35.</p> <p>N 87°21.5' W, bet. secs. 27 and 34.</p> <p>Over nearly level land.</p> <p>8.50 Dead Wash, 7 chs. wide, drains SW.</p> <p>40.29 Point for the ¼ sec. cor. of secs. 27 and 34, at proportionate dist.; there is no evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T19N R24E $\frac{1}{4} \frac{S27}{S34}$ 1987</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>60.435 Point for the W 1/16 sec. cor. of secs. 27 and 34.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T19N R24E W 1/16 $\frac{S27}{S34}$ 1987</p>

Dep. Res., a Portion of the Subdivisional Lines,
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<p>CHAINS</p>	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>Raise a mound of stone, 2½ ft. base, 1½ ft. high, N of cor.</p> <p>71.00 Rim, bears NE and SW.; over level bench.</p> <p>79.20 Rim, bears SE and NW.</p> <p>80.58 The cor. of secs. 27, 28, 33, and 34, perpetuated by Benjamin J. Kinsey in 1938, monumented with an iron post, 2 ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T19N R24E</p> <p>of $\frac{S28}{S33} \mid \frac{S27}{S34}$</p> <p>1882</p> <p>1938</p> </div> <p>The cor. is located 1 lk. W of fence, bears N and S.</p>	
	<p style="text-align: center;">Reestablishment of the survey executed by Henry Meyrick Jr., in 1882 and the resurvey executed by Benjamin J. Kinsey in 1938</p> <hr style="width: 20%; margin: auto;"/> <p>N 1°33.5' E, bet. secs. 27 and 28.</p> <p>Over gently rolling land, along fence.</p> <p>0.30 Rim, bears E and W.</p> <p>19.925 Point for the S 1/16 sec. cor. of secs. 27 and 28.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 16 ins. in the ground, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T19N R24E</p> <p>S 1/16</p> <p>S28 S27</p> <p>1987</p> </div>	

Dep. Res., a Portion of the Subdivisional Lines,
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<p>CHAINS</p> <p>39.85</p> <p>39.015</p>	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>The 1/4 sec. cor. of secs. 27 and 28, monumented with an iron post, 1 in. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd.</p> <div style="text-align: center;"> $\begin{array}{c} \perp \\ \perp \end{array} \begin{array}{c} 1/4 \\ S28 S27 \\ 1882 \\ 1938 \end{array}$ </div> <p>A mound of stone, 2 1/2 ft. base, 1 1/2 ft. high is W of cor. The cor. is located in fence, bears N and S.</p> <hr style="width: 20%; margin: auto;"/> <p>N 2°45.5' E, beginning new measurement.</p> <p>Over gently rolling, nearly level land, along fence.</p> <p>The cor. of secs. 21, 22, 27, and 28, monumented with an iron post, 2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd.</p> <div style="text-align: center;"> $\begin{array}{c} T19N R24E \\ \perp \frac{S21}{S28} \frac{S22}{S27} \\ 1882 \\ 1938 \end{array}$ </div> <p>The cor. is located in fence, bears N and S.</p> <p>From this cor., U.S.Coast and Geodetic Survey triangulation station "PAT", bears N 27°06.3' W (forward bearing), 111.40 chs. dist., monumented with a standard disk firmly set in the top of a 12 in. sq. concrete monument, projecting 4 ins. above ground, mkd. PAT 1959.</p> <hr style="width: 80%; margin: auto;"/> <p>From the cor. of secs. 22, 23, 26, and 27.</p> <p>N 87°43' W, bet. secs. 22 and 27.</p> <p>Over nearly level, gently rolling land.</p>
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Dep. Res., a Portion of the Subdivisional Lines,
T 19 N, R 24 E, Gila and Salt River Mer., Arizona

<p>CHAINS</p> <p>39.835</p> <p>79.67</p> <p>19.885</p>	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 22 and 27, at proportionate dist.; there is no evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T19N R24E $\frac{1}{4}$ $\frac{S22}{S27}$ 1987</p> <p>Deposit a magnet in a 1 x 1 x $2\frac{5}{8}$ in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>Raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N of cor.</p> <p>The cor. is located on spur, slopes S.</p> <hr/> <p style="text-align: center;">Subdivision of Section 27, T 19 N, R 24 E, Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the $\frac{1}{4}$ sec. cor. of secs. 27 and 34.</p> <p>N $1^{\circ}49.5'$ E, on the N and S center line of sec. 27.</p> <p>Over nearly level land.</p> <p>Point for the center S $\frac{1}{16}$ sec. cor. of sec. 27.</p> <p>Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T19N R24E C S $\frac{1}{16}$ S27 C 1987</p>
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Subdivision of Section 27, T 19 N, R 24 E,
Gila and Salt River Meridian, Arizona

CHAINS	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>39.77 Point for the center 1/4 sec. cor. of sec. 27, at the intersection with the E and W center line of sec. 27.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T19N R24E C 1/4 S27 1987</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>79.12 The 1/4 sec. cor. of secs. 22 and 27.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 26 and 27.</p> <p>N 87°14.5' W, on the E and W center line of sec. 27.</p> <p>Over nearly level land.</p> <p>16.50 Dead Wash, 3 1/2 chs. wide, drains S from NE.</p> <p>40.065 The center 1/4 sec. cor. of sec. 27.</p> <p>60.305 Point for the center W 1/16 sec. cor. of sec. 27.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T19N R24E C W 1/16 C S 27 1987</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p>
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Subdivision of Section 27, T 19 N, R 24 E,
Gila and Salt River Meridian, Arizona

<p>CHAINS</p> <p>80.545</p> <hr/> <p>6.20</p> <p>19.905</p> <p>39.81</p> <hr/> <p>20.19</p> <p>40.38</p>	<p>The $\frac{1}{4}$ sec. cor. of secs. 27 and 28.</p> <hr/> <p style="text-align: center;">SW $\frac{1}{4}$</p> <hr/> <p>From the W $\frac{1}{16}$ sec. cor. of secs. 27 and 34. N $1^{\circ}41.5'$ E, on the N and S center line of the SW $\frac{1}{4}$ of sec. 27.</p> <p>Over gently rolling land.</p> <p>Spur, slopes E.</p> <p>Point for the SW $\frac{1}{16}$ sec. cor. of sec. 27, at the intersection with the E and W center line of the SW $\frac{1}{4}$ of sec. 27</p> <p>Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T19N R24E SW $\frac{1}{16}$ S27 1987</p> <p>Deposit a magnet in a 1 x 1 x $2\frac{5}{8}$ in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>Over nearly level land.</p> <p>The center W $\frac{1}{16}$ sec. cor. of sec. 27.</p> <hr/> <p>From the center S $\frac{1}{16}$ sec. cor. of sec. 27.</p> <p>N $87^{\circ}18'$ W, on the E and W center line of the SW $\frac{1}{4}$ of sec. 27.</p> <p>Over nearly level land.</p> <p>The SW $\frac{1}{16}$ sec. cor. of sec. 27.</p> <p>Over gently rolling land.</p> <p>The S $\frac{1}{16}$ sec. cor. of secs. 27 and 28.</p>
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T 19 N, R 24 E, Gila and Salt River Mer., Arizona

CHAINS

GENERAL DESCRIPTION

The land encompassed in this survey is located about 26 miles north easterly of the town of Holbrook, Arizona, and 3 miles south of Petrified Forest National Park Headquarters. The elevation ranges from about 5400 to 5500 ft. above sea level. The land is nearly level and gently rolling. The soil is sandy and gravelly, covered with scattering native weeds and grasses. Dead Wash crosses section 27 in a general southerly course.

There are no signs of mining activity.

CERTIFICATE OF SURVEY

I, Duane R. Garoutte, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 29th day of June 1987, I have dependently resurveyed a portion of the subdivisional lines, and surveyed the subdivision of section 27, Township 19 North, Range 24 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.

SEP 22 1987

(Date)

Duane R. Garoutte
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines, and the survey of the subdivision of section 27, Township 19 North, Range 24 East, Gila and Salt River Meridian, Arizona, executed by Duane R. Garoutte, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

OCT 01 1987

(Date)

James P. Kelley
(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 19 N, R 24 E, Gila and Salt River Mer., Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~