

ORIGINAL

1

BOOK 5253

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY,

A PORTION OF THE EAST BOUNDARY,

AND A PORTION OF THE SUBDIVISIONAL LINES;

AND THE METES-AND-BOUNDS SURVEY

OF THE CENTER LINE OF THE ZUNI PILGRIMAGE ROUTE

IN

TOWNSHIP 15 NORTH, RANGE 27 EAST

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

EXECUTED BY

Stephen J. Malloy, Cadastral Surveyor

, Cadastral Surveyor

Under special instructions dated August 4, 1987, approved August 4 1987

, which provided for the surveys included under Group Number  
697 and assignment instructions dated August 4, 1987.

Survey commenced August 6, 1987

Survey completed October 15, 1987

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## T 15 N, R 27 E, Gila and Salt River Mer., Arizona

## CHAINS

The following field notes are those of the dependent resurvey of the south boundary, a portion of the east boundary, and a portion of the subdivisional lines; and the survey of the metes-and-bounds survey of the center line of the Zuni Pilgrimage Route in Township 15 North, Range 27 East, Gila and Salt River Meridian, Arizona.

The south boundary was surveyed by C.B. Foster in 1875. The west boundary was surveyed by O.D. Wheeler in 1882. A.P. Johnson dependently resurveyed the south boundary and surveyed the east and north boundaries and subdivisional lines in 1882. A portion of the south boundary was dependently resurveyed by F.W. Forrest and C.F. Wagner in 1944. The east boundary was dependently resurveyed by L.W. Murphy and W.R. Ott in 1963. The west boundary was dependently resurveyed by B.S. Owen, P.G. Bauer, and W.R. Ott in 1963-64. The south, north, and the north half mile of the west boundaries, and the subdivisional lines were dependently resurveyed by J.E. Knight in 1968. A portion of the west boundary was dependently resurveyed by Stephen J. Malloy, under this same group.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated August 4, 1987, for Group No. 697, Arizona.

Preliminary to the resurvey, the lines of the original survey and resurveys were retraced and search was made for all corners and other calls of the record. 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 of all lines were determined by observations on a U.S. Geological Survey triangulation network, confirmed by hour angle observations on the sun, and refer to the true meridian. Distances and angles were measured with a Geodimeter total station.

T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS

The geographic position of the southeast corner of section 36, as determined from a tie made to U.S. Geological Survey triangulation station "HARPER," located in the north half of section 34, T 15 N, R 26 E, is as follows:

Latitude: 34°39'34.95" N Longitude: 109°25'14.36" W

The mean magnetic declination is 14° E, as determined from U.S. Geological Survey quadrangle map "ADAMANA 4 NE."

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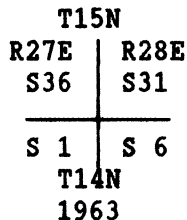
Dependent Resurvey of the South Boundary,  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

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Restoring the survey by C.B. Foster in 1875, and dependent resurveys by A.P. Johnson in 1882, F.W. Forrest and C.F. Wagner in 1944, and J.E. Knight in 1968.

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Beginning at the cor. of Tps. 14 and 15 N, Rs. 27 and 28 E, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above the ground, with brass cap mkd.



Cor. is located in a barbed wire fence extending E and W, and 5 lks. E of barbed wire fence extending N.

From this cor. the U.S. Geological Survey triangulation station "HARPER", bears N 86°15.4' W (mean bearing), 684.92 chs. dist., monumented with a standard brass tablet in a limestone outcropping 36 x 24 x 1 ins. above ground, mkd. HARPER 1954.

N 89°19' W, bet. secs. 1 and 36, on the S bdy. of the Tp.

Over rolling desert.

Dependent Resurvey of the South Boundary,  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

<p>CHAINS 39.75</p>	<p>Point for the 1/4 sec. cor. of secs. 1 and 36, at proportionate dist.; there is no evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T15N R27E 1/4 <math>\frac{S36}{S1}</math> T14N 1987</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post near the cor.</p> <p>This cor. is now also designated as AP 1, sec. 36, identical with AP 1, sec. 1, on the center line of the Zuni Pilgrimage Route (Return Trail).</p> <p>The cor. is located 65 lks. dist. N of a fence extending E and W.</p> <p>Continue over rolling desert.</p>
<p>79.50</p>	<p>Point for the cor. of secs. 1, 2, 35, and 36, at proportionate dist.; there is no evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T15N R27E S35   S36 ----- S 2   S 1 T14N 1987</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post near the cor.</p> <p>The cor. is located 85 lks. dist. N of a fence extending E and W.</p>

Dependent Resurvey of the South Boundary,  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

<p>CHAINS</p>	<p>N 89°19' W, bet. secs. 2 and 35.</p> <p>Over rolling desert.</p> <p>39.75 Point for the 1/4 sec. cor. of secs. 2 and 35, at proportionate dist.; there is no evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T15N R27E 1/4 <math>\frac{S35}{S 2}</math> T14N 1987</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post near the cor.</p> <p>Continue over rolling desert.</p> <p>79.50 The cor. of secs. 2, 3, 34, and 35, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 14 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T15N R27E S34   S35 ----- S 3   S 2 T14N 1968</p> <p>A mound of stone, 4 ft. base, 2 ft. high, is W of cor.</p> <hr/> <p>N 89°19' W, bet. secs. 3 and 34.</p> <p>Over rolling desert.</p> <p>39.73 The 1/4 sec. cor. of secs. 3 and 34, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd.</p>	
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Dependent Resurvey of the South Boundary,  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS	
	<p style="text-align: center;">T15N R27E 1/4 <math>\frac{S34}{S3}</math> T14N 1968</p> <p>A mound of stone, 4 ft. base, 2 ft. high, is N of cor.</p> <hr style="width: 20%; margin: auto;"/> <p>N 89°19' W, beginning new measurement.</p> <p>Over rolling desert.</p>
39.76	<p>The cor. of secs. 3, 4, 33, and 34, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T15N R27E S33   S34 ----- S 4   S 3 T14N 1968</p> <p>A mound of stone, 4 ft. base, 2 ft. high, is W of cor.</p> <hr style="width: 20%; margin: auto;"/> <p>S 89°59' W, bet. secs. 4 and 33.</p> <p>Over rolling desert.</p>
41.37	<p>The 1/4 sec. cor. of secs. 4 and 33, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 9 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T15N R27E 1/4 <math>\frac{S33}{S4}</math> T14N 1968</p> <p>A mound of stone, 3 ft. base, 1 ft. high, is N of cor.</p> <hr style="width: 20%; margin: auto;"/> <p>West, beginning new measurement.</p> <p>Over rolling desert.</p>

Dependent Resurvey of the South Boundary,  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS

20.67

The W 1/16 sec. cor. of secs. 4 and 33, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 9 ins. above ground, with brass cap mkd.

T15N R27E  
W 1/16  $\frac{S33}{S 4}$   
T14N  
1968

A mound of stone, 3 ft. base, 2 ft. high, is N of cor.

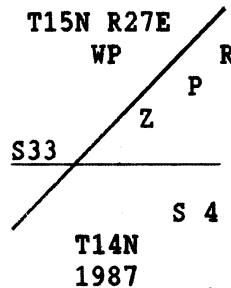
S 89°58' W, beginning new measurement.

Over rolling desert.

7.24

Point for a witness point on line bet. secs. 4 and 33, at intersection with the center line of the Zuni Pilgrimage Route (Main Trail).

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



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

Set a steel fence post alongside the witness point.

From this point, AP 1, sec. 4, T 14 N, R 27 E, on the center line of the Zuni Pilgrimage Route (Main Trail), bears S 68°36' W, 8.90 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., projecting 4 ins. above ground, with a steel fence post near and with brass cap mkd. as described in the field notes of the dependent resurvey of T 14 N, R 27 E, executed concurrently under this same group.



Dependent Resurvey of the South Boundary,  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

<p>CHAINS</p> <p>20.68</p>	<p>The cor. of secs. 4, 5, 32, and 33, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 9 ins. above ground, in a collar of stone, 2 ft. base, and with brass cap mkd.</p> <div style="text-align: center;"> <p>T15N R27E S32   S33 ----- S 5   S 4 T14N 1968</p> </div> <p>The cor. is located 5 lks. S of a wash, 5 lks. wide, drains W.</p>	
<p>23.71</p>	<p>S 89°59' W, bet. secs. 5 and 32.</p> <p>Over rolling desert.</p> <p>Point for a witness point on line bet. secs. 5 and 32, at intersection with the center line of the Zuni Pilgrimage Route (Main Trail).</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> <div style="text-align: center;"> <p>T15N R27E WP S32 ----- Z S5      P           R T14N 1987</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the witness point.</p> <p>The witness point is located 85 lks. N of a barbed wire fence extending S 75° E, and N 75° W.</p> <p>From this point, AP 1, sec. 4, T 14 N, R 27 E, on the center line of the Zuni Pilgrimage Route (Main Trail), bears S 83°36' E, 29.04 chs. dist., hereinbefore described.</p>	

Dependent Resurvey of the South Boundary,  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

<p>CHAINS</p>	<p>Continue over rolling desert.</p> <p>41.38 Point for the 1/4 sec. cor. of secs. 5 and 32, at proportionate dist.; there is no evidence of the original cor.</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;">T15N R27E 1/4 <math>\frac{S32}{S 5}</math> T14N 1987</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post near the cor.</p> <p>The cor is located 1.65 chs. S of a barbed wire fence extending S 75° E and N 75° W.</p> <p>Continue over rolling desert.</p> <p>65.665 Point for a witness point on line bet. secs. 5 and 32, at intersection with the center line of the Zuni Pilgrimage Route (Main Trail).</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;">T15N R27E W P S32 R P Z S 5 T14N 1987</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the witness point.</p> <p>From this point, AP 1, sec. 32, on the center line of the Zuni Pilgrimage Route (Main Trail), bears N 39°02' E, 5.57 chs. dist., hereinafter described.</p>	
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Dependent Resurvey of the South Boundary,  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

<p>CHAINS</p>	<p>Continue over rolling desert.</p> <p>82.76 Point for the cor. of secs. 5, 6, 31, and 32, at proportionate dist.; there is no evidence of the original cor.</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> <div style="text-align: center;"> <p>T15N R27E S31   S32 ----- S 6   S 5 T14N 1987</p> </div> <p>from which</p> <p style="padding-left: 40px;">A windmill bears N 15° E, 8.06 chs. dist.</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post near the cor.</p> <hr/> <p>S 89°59' W, bet. secs. 6 and 31.</p> <p>Over rolling desert.</p> <p>41.38 The 1/4 sec. cor. of secs. 6 and 31, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T15N R27E 1/4 <u>S31</u> S 6 T14N 1968</p> </div> <p>A mound of stone, 3 ft. base, 2 ft. high, is N of cor.</p> <hr/> <p>S 89°57' W, beginning new measurement.</p> <p>Over rolling desert.</p>	
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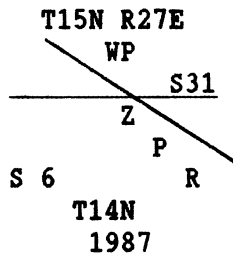
Dependent Resurvey of the South Boundary,  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS

2.72

Point for a witness point on line bet. secs. 6 and 31, at intersection with the center line of the Zuni Pilgrimage Route (Koyemshi Trail).

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



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

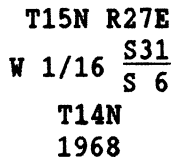
Set a steel fence post alongside the witness point.

From this point, AP 1, sec. 5, T 14 N, R 27 E, on the center line of the Zuni Pilgrimage Route at the intersection of the Main Trail, the Kiva Groups Trail, and the Koyemshi Trail, bears S 61°04.8' E, 48.27 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., projecting 4 ins. above ground, with a steel fence post near the AP and with brass cap mkd. as described in the field notes of the dependent resurvey of T 14 N, R 27 E, executed concurrently under this same group.

Continue over rolling desert.

20.67

The W 1/16 sec. cor. of secs. 6 and 31, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd.



A mound of stone, 3 ft. base, 2 ft. high, is N of cor.

N 89°59' W, beginning new measurement.

Dependent Resurvey of the South Boundary,  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS

Over rolling desert.

19.89

The cor. of Tps. 14 and 15 N, Rs. 26 and 27 E, monumented with an iron post, 2 1/2 ins. diam., projecting 4 ins. above ground, with a mound of stone, 3 ft. base, 2 ft. high, S of the cor., and with brass cap mkd. as described in the field notes of the dependent resurvey of T 15 N, R 26 E, executed concurrently under this same group.

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Dependent Resurvey, Portion of East Boundary,  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

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Restoring the 1882 survey by A.P. Johnson and the 1963 dependent resurvey by L.W. Murphy and W.R. Ott

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From the cor. of Tps. 14 and 15 N, Rs. 27 and 28 E.

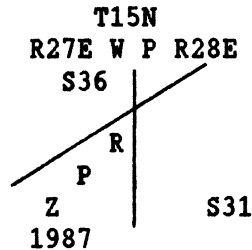
N 0°09' E, bet. secs. 31 and 36.

Over rolling desert.

27.89

Point for a witness point on line bet. secs. 31 and 36, at intersection with the center line of the Zuni Pilgrimage Route (Return Trail).

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



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

Set a steel fence post alongside the witness point.

The witness point is located 3 lks. E of a fence extending N and S.

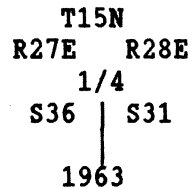
Dependent Resurvey, Portion of East Boundary,  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS

From this point, the 1/4 sec. cor. of secs. 1 and 36, on the S bdy. of the Tp., identical with AP 1, sec. 36, and AP 1, sec. 1, on the center line of the Zuni Pilgrimage Route (Return Trail), bears S 55°27' W, 48.345 chs. dist.

40.18

The 1/4 sec. cor. of secs. 31 and 36, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 7 ins. above ground, with brass cap mkd.



A mound of stone, 1 ft. base, 1 ft. high, is W of cor.

The cor. is located 2 lks. E of a fence extending N and S.

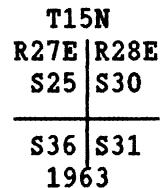
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N 0°08' E, beginning new measurement.

Over rolling desert.

40.16

The cor. of secs. 25, 30, 31, and 36, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd.



The cor. is located 2 lks. E of a barbed wire fence extending N and S.

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N 0°09' E, bet. secs. 25 and 30.

Over rolling desert.

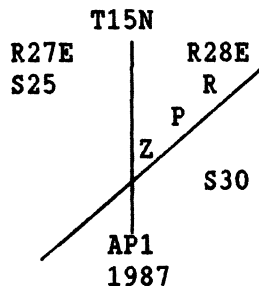
Dependent Resurvey, Portion of East Boundary,  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS

23.34

Point for AP 1, sec. 25, identical with AP 1, sec. 30, at the intersection with the center line of the Zuni Pilgrimage Route (Main Trail).

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



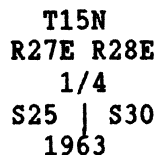
Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

Set a steel fence post near the AP.

The AP is located 4 lks. E of a fence extending N and S.

40.18

The 1/4 sec. cor. of secs. 25 and 30, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.



The cor. is located 4 lks. E of a fence extending N and S.

N 0°08' E, beginning new measurement.

Over rolling desert.

40.17

The cor. of secs. 19, 24, 25, and 30, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd. after new date was added.

Dependent Resurvey, Portion of East Boundary,  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS

T15N	
R27E	R28E
S24	S19
-----	
S25	S30
1987	
1963	

from which,

A U.S. Geological Survey bench mark bears  
S 28 3/4° E, 92.5 lks. dist., monumented with  
an aluminum disk , 3 1/2 ins. diam., firmly  
set, in a cement block, 7 x 7 x 3 ins. above  
ground, mkd. U.S. DEPARTMENT OF INTERIOR ELEV.  
5660 FT. ABOVE SEA 116 DOR 1972 GEOLOGICAL  
SURVEY.

The cor. is located 4 lks. E of a fence extending N  
and S.

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Dependent Resurvey, Portion of Subdivisional Lines  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

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Restoring the 1882 survey by A.P. Johnson, and the  
dependent resurvey by J.E. Knight in 1968.

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From the cor. of secs. 1, 2, 35, and 36, on the S bdy.  
of the Tp.

N 0°46' W, bet. secs. 35 and 36.

Over rolling desert.

40.09

Point for the 1/4 sec. cor. of secs. 35 and 36, at  
proportionate dist.; there is no 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.

T15N R27E	
1/4	
S35	S36
1987	



Dependent Resurvey, Portion of the Subdivisional Lines  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

<p>CHAINS</p>	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post near the cor.</p> <p>The cor. is located 40 lks. N of a small wash, 6 lks. wide, drains S 50° W.</p> <p>Continue over rolling desert.</p> <p>78.53 Point for a witness point on line bet. secs. 35 and 36 at the intersection of the center line of the Zuni Pilgrimage Route (Main Trail).</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> <div style="text-align: center;"> <p>T15N R27E</p> <p>W P</p> <p>S35   R</p> <p>      P</p> <p>      Z</p> <p>     </p> <p>      S36</p> <p>     </p> <p>      1987</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the witness point.</p> <p>From this point, AP 1, sec. 25, identical with AP 1, sec. 30, on the E bdy. of the Tp., and on the center line of the Zuni Pilgrimage Route (Main Trail), bears N 73°19' E, 84.34 chs. dist.</p> <p>80.18 The cor. of secs. 25, 26, 35, and 36, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T15N R27E</p> <p>S26   S25</p> <p>—+—</p> <p>S35   S36</p> <p>1968</p> </div>
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Dependent Resurvey, Portion of the Subdivisional Lines  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

<p>CHAINS</p> <p>40.38</p> <p>75.40</p>	<p>A mound of stone, 2 1/2 ft. base, 1 ft. high, is W of cor.</p> <hr/> <p>From the cor. of secs. 25, 30, 31, and 36, on the E bdy. of the Tp.</p> <p>N 89°27' W, bet. secs. 25 and 36.</p> <p>Over rolling desert.</p> <p>Point for the 1/4 sec. cor. of secs. 25 and 36, at proportionate dist.; there is no evidence of the original cor.</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;">T15N R27E 1/4 <math>\frac{S25}{S36}</math> 1987</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post near the cor.</p> <p>The cor is located 95 lks. E of a wash, 12 lks. wide, drains S 30° W.</p> <p>Continue over rolling desert.</p> <p>Point for a witness point on line bet. secs. 25 and 36, at the intersection of the center line of the Zuni Pilgrimage Route (Main Trail).</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;">T15N R27E WP S25 R P Z      S36 1987</p>
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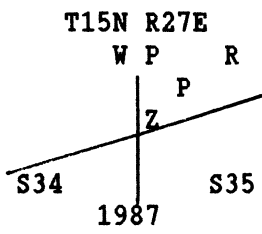
Dependent Resurvey, Portion of the Subdivisional Lines  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

<p>CHAINS</p>	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the witness point.</p> <p>From this point, AP 1, sec. 25, identical with AP 1, sec. 30, on the E bdy. of the Tp., and on the center line of the Zuni Pilgrimage Route (Main Trail), bears N 73°19' E, 78.77 chs. dist.</p> <p>80.76 The cor. of secs. 25, 26, 35, and 36.</p> <hr/> <p>N 0°17.5' E, bet. secs. 25 and 26.</p> <p>Over rolling desert.</p> <p>40.25 The 1/4 sec. cor. of secs. 25 and 26, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T15N R27E 1/4 S26   S25 1968</p> <p>A mound of stone, 2 1/2 ft. base, 1 ft. high, is W of cor.</p> <hr/> <p>N 0°17.5' E, beginning new measurement.</p> <p>Over rolling desert.</p> <p>40.13 The cor. of secs. 23, 24, 25, and 26, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. after new date was added.</p> <p style="text-align: center;">T15N R27E S23   S24 ----- S26   S25 1987 1968</p>	
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Dependent Resurvey, Portion of the Subdivisional Lines  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

<p>CHAINS</p>	<p>from which</p> <p>A U.S. Geological Survey bench mark bears N 84 1/2° W, 51.5 lks. dist., monumented with an aluminum disk, 3 1/2 ins. diam., firmly set in a cement block, 7 x 7 x 7 ins. above ground, mkd. U.S. DEPARTMENT OF INTERIOR ELEV. 5643 FT. ABOVE SEA 115 DOR 1972 GEOLOGICAL SURVEY.</p> <p>A mound of stone, 3 ft. base, 2 ft. high, is W of cor.</p> <hr/> <p>From the cor. of secs. 19, 24, 25, and 30, on the E bdy. of the Tp.</p> <p>N 89°26' W, bet. secs. 24 and 25.</p> <p>Over rolling desert.</p> <p>40.28 The 1/4 sec. cor. of secs. 24 and 25, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T15N R27E 1/4 <u>S24</u> S25 1968</p> <p>A mound of stone, 3 ft. base, 2 ft. high, is N of cor.</p> <hr/> <p>N 89°26' W, beginning new measurement</p> <p>Over rolling desert.</p> <p>40.27 The cor. of secs. 23, 24, 25, and 26.</p> <hr/> <p>From the cor. of secs. 2, 3, 34, and 35, on the S bdy. of the Tp.</p> <p>N 2°03' W, bet. secs. 34 and 35.</p> <p>Over rolling desert.</p>	
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Dependent Resurvey, Portion of the Subdivisional Lines  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

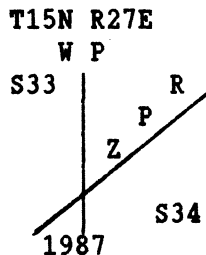
<p>CHAINS</p>	<p>40.12 The 1/4 sec. cor. of secs. 34 and 35, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T15N R27E 1/4 S34   S35 1968</p> <p>The cor. is located on the E side of a wash, 10 lks. wide, drains S 30° E.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N 2°09' W, beginning new measurement.</p> <p>Over rolling desert.</p> <p>13.41 Point for a witness point on line bet. secs. 34 and 35, at the intersection of the center line of the Zuni Pilgrimage Route (Main Trail).</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> <div style="text-align: center;">  </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the witness point.</p> <p>From this point, AP 1, sec. 25, identical with AP 1, sec. 30, on the E bdy. of the Tp., and on the center line of the Zuni Pilgrimage Route (Main Trail), bears N 73°19' E, 168.23 chs. dist.</p> <p>40.14 The cor. of secs. 26, 27, 34, and 35, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd.</p>	
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Dependent Resurvey, Portion of the Subdivisional Lines  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS	
	<p style="text-align: center;">T15N R27E S27   S26 ----- S34   S35 1968</p> <p>A mound of stone, 3 ft. base, 2 ft. high, is W of cor.</p> <hr/> <p>From the cor. of secs. 25, 26, 35, and 36. N 89°14' W, bet. secs. 26 and 35. Over rolling desert.</p>
40.68	<p>The 1/4 sec. cor. of secs. 26 and 35, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T15N R27E 1/4 <math>\frac{S26}{S35}</math> 1968</p> <p>A mound of stone, 3 ft. base, 2 ft. high, is N of cor.</p> <hr/> <p>N 89°23' W, beginning new measurement. Over rolling desert.</p>
40.66	<p>The cor. of secs. 26, 27, 34, and 35.</p> <hr/> <p>From the cor. of secs. 3, 4, 33, and 34, on the S bdy. of the Tp. N 3°09' W, bet. secs. 33 and 34. Over rolling desert.</p>
26.59	<p>Point for a witness point on line bet. secs. 33 and 34 at the intersection of the center line of the Zuni Pilgrimage Route (Main Trail). Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p>

Dependent Resurvey, Portion of the Subdivisional Lines  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS



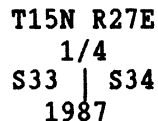
Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

Set a steel fence post alongside the witness point.

From this point, AP 1, sec. 34, on the center line of the Zuni Pilgrimage Route (Main Trail), bears N 68°36' E, 27.09 chs. dist., hereinafter described.

40.16

The 1/4 sec. cor. of secs. 33 and 34, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd.



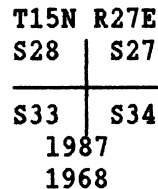
A mound of stone, 3 ft. base, 1 ft. high, is W of cor.

N 3°09' W, beginning new measurement.

Over rolling desert.

40.13

The cor. of secs. 27, 28, 33, and 34, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 28 ins. above ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd. after new date was added.



Dependent Resurvey, Portion of the Subdivisional Lines  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS	
	<p>from which</p> <p>A U.S. Geological Survey bench mark bears N 81 1/2° W, 118.2 lks. dist., monumented with an aluminum disk, 3 1/2 ins. diam., firmly set in rim rock, mkd. US DEPARTMENT OF INTERIOR ELEV. 5624 FT. ABOVE SEA 124 DOR 1972 GEOLOGICAL SURVEY.</p> <p>A mound of stone, 4 ft. base, 2 ft. high, is W of cor.</p> <hr/> <p>From the cor. of secs. 26, 27, 34, and 35.</p> <p>N 89°22' W, bet. secs. 27 and 34.</p> <p>Over rolling desert.</p>
40.51	<p>The 1/4 sec. cor. of secs. 27 and 34, monumented with an iron post, 2 1/2 ins. diam., firmly set projecting 8 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T15N R27E 1/4 <math>\frac{S27}{S34}</math> 1968</p> <p>A mound of stone, 3 ft. base, 2 ft. high, is N of cor.</p> <hr/> <p>N 89°22' W, beginning new measurement.</p> <p>Over rolling desert.</p>
40.46	<p>The cor. of secs. 27, 28, 33, and 34.</p> <hr/> <p>From the cor. of secs. 4, 5, 32, and 33, on the S bdy. of the Tp.</p> <p>N 1°42' W, bet. secs. 32 and 33.</p> <p>Over rolling desert.</p>
39.20	<p>Spur, slopes S 75° W.</p>



Dependent Resurvey, Portion of the Subdivisional Lines  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS

40.18

Point for the 1/4 sec. cor. of secs. 32 and 33, at proportionate dist.; there is no 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.

T15N R27E  
1/4  
S32 | S33  
1987

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

Set a steel fence post near the cor.

The cor. is located 1 ch. N of a small spur sloping S 75° W.

80.36

The cor. of secs. 28, 29, 32, and 33, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.

T15N R27E  
S29 | S28  
-----  
S32 | S33  
1968

A mound of stone, 3 ft. base, 2 ft. high, is W of cor.

From the cor. of secs. 27, 28, 33, and 34.

N 89°55' W, bet. secs. 28 and 33.

Over rolling desert.

40.33

The 1/4 sec. cor. of secs. 28 and 33, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd.

T15N R27E  
1/4 S28  
S33  
1968

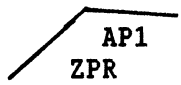
Dependent Resurvey, Portion of the Subdivisional Line  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

<p>CHAINS</p>	<p>A mound of stone, 3 ft. base, 2 ft. high, is N of cor.</p> <hr/> <p>N 89°55' W, beginning new measurement.</p> <p>Over rolling desert.</p> <p>40.33 The cor. of secs. 28, 29, 32, and 33.</p> <hr/> <p>From the cor. of secs. 5, 6, 31, and 32, on the S bdy. of the Tp.</p> <p>N 0°31' W, bet. secs. 31 and 32.</p> <p>Over rolling desert.</p> <p>36.45 Rocky spur, 3 chs. long, 20 ft. high, bears E and W.</p> <p>40.22 Point for the 1/4 sec. cor. of secs. 31 and 32, at proportionate dist.; there is no evidence of the original cor.</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;">T15N R27E 1/4 S31   S32 1987</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post near the cor.</p> <p>80.44 The cor. of secs. 29, 30, 31, and 32, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T15N R27E S30   S29 ----- S31   S32 1968</p>
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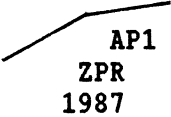
Dependent Resurvey, Portion of the Subdivisional Lines  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS	<p>A mound of stone, 3 ft. base, 2 ft. high, is W of cor.</p> <hr/> <p>From the cor. of secs. 28, 29, 32, and 33.</p> <p>N 89°57' W, bet. secs. 29 and 32.</p> <p>Over rolling desert.</p> <p>39.25 Intersection of dirt roads bearing N 30° E, S 30° W, and N 10° W, curving W.</p> <p>40.55 Point for the 1/4 sec. cor. of secs. 29 and 32, at proportionate dist.; there is no evidence of the original cor.</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;">T15N R27E 1/4 <math>\frac{S29}{S32}</math> 1987</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post near the cor.</p> <p>81.10 The cor. of secs. 29, 30, 31, and 32.</p> <hr/> <p style="text-align: center;">Metes-and-Bounds Survey, Zuni Pilgrimage Route (Return Trail) T 15 N, R 27 E, Gila and Salt River Mer., Arizona</p> <hr/> <p>From the 1/4 sec. cor. of secs. 1 and 36, on the S bdy. of the Tp., identical with AP 1, sec. 1, and with AP 1, sec. 36.</p> <p>N 55°27' E, on the center line of the Zuni Pilgrimage Route (Return Trail).</p> <p>Over rolling desert.</p> <p>48.345 The witness point on line bet. secs. 31 and 36, on the E bdy. of the Tp.</p> <hr/>
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Metes-and-Bounds Survey,  
 Zuni Pilgrimage Route (Koyemshi Trail),  
 T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS	
42.89	<p>From the witness point on line bet. secs. 31 and 36, on the W bdy. of the Tp., monumented with a stainless steel post, projecting 4 ins. above ground, with a steel fence post near the witness point and with brass cap mkd. as described in the field notes of the dependent resurvey of T 15 N, R 26 E, executed concurrently under this same group.</p> <p>S 61°04.8' E, on the center line of the Zuni Pilgrimage Route (Koyemshi Trail).</p> <p>Over rolling desert.</p> <p>The witness point on line bet. secs. 6 and 31, on the S bdy. of the Tp.</p>
<p>Metes-and-Bounds Survey,                  Zuni Pilgrimage Route (Main Trail)                  T 15 N, R 27 E, Gila and Salt River Mer., Arizona</p>	
5.57	<p>From the witness point on the line bet. secs. 5 and 32, on the S bdy. of the Tp., located 17.095 chs. dist., N 89°59' E of the cor. of secs. 5, 6, 31, and 32.</p> <p>N 39°02' E, on the center line of the Zuni Pilgrimage Route (Main Trail).</p> <p>Over rolling desert.</p> <p>Point for AP 1, sec. 32, on the center line of the Zuni Pilgrimage Route (Main Trail).</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 29 ins. in the ground, with brass cap mkd.</p> <div data-bbox="852 1470 1031 1659" style="text-align: center;"> <p>T15N R27E                      S32</p>  <p>AP1                      ZPR                      1987</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post near the AP.</p>

Metes-and-Bounds Survey, Zuni Pilgrimage Route (Main Trail)  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

CHAINS	
	<p>The AP is located in a fence gate, fence extends N 82° W, and S 82° E.</p> <hr/> <p>S 83°36' E, on the center line of the Zuni Pilgrimage Route (Main Trail).</p> <p>Over rolling desert.</p>
38.69	<p>The witness point on line bet. secs. 5 and 32, on the S bdy. of the Tp., located 23.71 chs. dist., S 89°59' W of the cor. of secs. 4, 5, 32, and 33.</p> <hr/> <p>From the witness point on line bet. secs. 4 and 33, on the S bdy. of the Tp.</p> <p>N 68°36' E, on the center line of the Zuni Pilgrimage Route (Main Trail).</p> <p>Over rolling desert.</p>
72.83	<p>The witness point on line bet. secs. 33 and 34.</p>
99.92	<p>Point for AP 1, sec. 34, on the center line of the Zuni Pilgrimage Route (Main Trail).</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;">T15N R27E S34</p>  <p style="text-align: center;">AP1 ZPR 1987</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Set a steel fence post near the AP.</p> <p>The AP is located on a spur, slopes S 20° W.</p> <hr/> <p>N 73°19' E, on the center line of the Zuni Pilgrimage Route (Main Trail).</p>

Metes-and-Bounds Survey, Zuni Pilgrimage Route (Main Trail)  
T 15 N, R 27 E, Gila and Salt River Mer., Arizona

## CHAINS

56.15 The witness point on line bet. secs. 34 and 35.  
140.04 The witness point on line bet. secs. 35 and 36.  
145.61 The witness point on line bet. secs. 25 and 36.  
224.38 AP 1, sec. 25, identical with AP 1, sec. 30, on the E  
bdy. of the Tp.

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GENERAL DESCRIPTION

The land encompassed in this survey is located about 12 miles northwest of the small town of St. Johns in northeastern Arizona. This area drains to the southwest by many washes to the Zuni River, which flows west to the Little Colorado River. The area is rolling to hilly grassland with a mean elevation of about 5600 ft. above sea level.

This area is reached by many dirt roads from the south off of U.S. Highway No. 180. The only improvements in the area are windmills and fences throughout the township.

The mean magnetic declination as taken from the U.S. Geological Survey quadrangle map "ADAMANA 4 NE" is 14° E.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Timothy J. Moore	Crew Chief, Survey Technician
Gary D. Knoff	Crew Chief, Survey Technician
Rebecca Ramirez	Survey Aid
Robert L. Spiesman II	Survey Aid
Gordon R. Bubel, Jr.	Survey Aid
William J. Hopfensperger II	Survey Aid

CERTIFICATE OF SURVEY

I, Stephen J. Malloy, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 4th day of August, 1987, I have dependently resurveyed the south boundary, a portion of the east boundary, and a portion of the subdivisional lines, and have surveyed the metes-and-bounds survey of the center line of the Zuni Pilgrimage Route, in Township 15 North, Range 27 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.

OCT 23 1987  
 \_\_\_\_\_  
 (Date)

*Stephen J. Malloy*  
 \_\_\_\_\_  
 (Cadastral Surveyor)

\_\_\_\_\_  
 (Date)

\_\_\_\_\_  
 (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
 Arizona State Office  
 Phoenix, Arizona

The foregoing field notes of the dependent resurvey of the south boundary, a portion of the east boundary, and a portion of the subdivisional lines, and a survey of the metes-and-bounds survey of the center line of the Zuni Pilgrimage Route, Township 15 North, Range 27 East, of the Gila and Salt River Meridian, in the state of Arizona, executed by Stephen J. Malloy, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

OCT 27 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 15 N, R 27 E, Gila and Salt River Meridian, in the state of Arizona is a true copy of the original field notes.~~

~~\_\_\_\_\_  
 (Date)~~

~~\_\_\_\_\_  
 (Chief Cadastral Surveyor of Arizona)~~