

ORIGINAL

1

BOOK 5254

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE

DEPENDENT RESURVEY OF A PORTION OF

THE SOUTH AND EAST BOUNDARIES AND

A PORTION OF THE SUBDIVISIONAL LINES AND

A METES-AND-BOUNDS SURVEY OF THE CENTER LINE

OF THE ZUNI PILGRIMAGE ROUTE

IN

TOWNSHIP 15 NORTH, RANGE 28 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 September 29, 1987

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## T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

## CHAINS

The following field notes are those of the dependent resurvey of a portion of the south and east boundaries, 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 28 East, Gila and Salt River Meridian, Arizona.

The south boundary was surveyed by C.B. Foster in 1875. The east boundary was surveyed by M. Santee in 1882. The north boundary was surveyed by H.A. Coe in 1882. The south boundary was dependently resurveyed by A.P. Johnson in 1882. The west boundary and subdivisional lines were surveyed by A.P. Johnson in 1882. The north, south, east, and west boundaries and the subdivisional lines were dependently resurveyed by L.W. Murphy and W.R. Ott in 1963. A portion of the west boundary was dependently resurveyed by Stephen J. Malloy concurrently 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 resurvey were retraced and all corners of the previous resurveys were found. 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.

The geographic position of the southeast corner of section 24, 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°41'19.80" N      Longitude: 109°18'51.18" W

The mean magnetic declination as taken from the U.S. Geological Survey quadrangle map "SCHNEBLY WELL, ARIZ." photorevised in 1984, is 12° E.

Dependent Resurvey, Portion South Boundary,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

(Restoring the survey by C.B. Foster in 1875,  
and the dependent resurveys by A.P. Johnson in 1882,  
and by L.W. Murphy and W.R. Ott in 1963)

Beginning at the cor. of secs. 5, 6, 31, and 32, on  
the S bdy. of the Tp., monumented with an iron post, 2  
1/2 ins. diam., firmly set, projecting 12 ins. above  
the ground, with brass cap mkd.

T15N R28E	
S31	S32
-----	
S 6	S 5
T14N	
1963	

The cor. is located 45 lks. dist., N of a barbed wire  
fence, extending E and W.

S 89°56' W, bet. secs. 6 and 31.

Over rolling grassland.

40.44

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

T15N R28E	
1/4	<u>S31</u>
	S 6
T14N	
1963	

The cor. is located 18 lks. dist., N of a barbed wire  
fence, extending E and W.

S 89°56' W, beginning new measurement

Continue over rolling grassland.

39.45

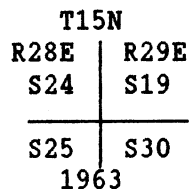
The cor. of Tps. 14 and 15 N, Rs. 27 and 28 E.,  
monumented with an iron post, 2 1/2 ins. diam., firmly  
set, with brass cap mkd. as described in the field  
notes of the dependent resurvey of the S bdy. of  
T 15 N, R 27 E, executed concurrently under this same  
group.

Dependent Resurvey, Portion East Boundary,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

(Restoring the survey by M. Santee in 1882,  
and the dependent resurvey  
by L.W. Murphy and W.R. Ott in 1963)

From the cor. of secs. 19, 24, 25, and 30 on the E  
bdy. of the Tp., monumented with an iron post, 2 1/2  
ins. diam., firmly set, projecting 8 ins. above the  
ground, with brass cap mkd.



A mound of petrified wood, 2 ft. base, 1 ft. high, is  
W of the cor.

From this cor. U.S. Geological Survey triangulation  
station "HARPER" bears S 84°24'44" W (forward  
bearing), 1174.096 chs. dist., monumented with a  
standard brass tablet in a limestone outcropping,  
36 X 24 X 1 in. above ground, tablet mkd. HARPER 1954.

N 0°27' W, bet. secs. 19 and 24.

Over nearly level grassland.

40.06

The 1/4 sec. cor. of secs. 19 and 24, monumented with  
an iron post, 2 1/2 ins. diam., firmly set, projecting  
6 ins. above ground, with brass cap mkd.



A mound of petrified wood, 1 ft. base, 1 ft. high, is  
W of the cor.

N 0°26' W, beginning new measurement.

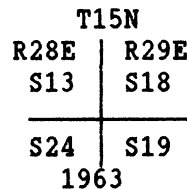
Continue over nearly level grassland.

Dependent Resurvey, Portion East Boundary,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

40.07

The cor. of secs. 13, 18, 19, and 24, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.



A mound of petrified wood, 2 ft. base, 1 ft. high, is W of the cor.

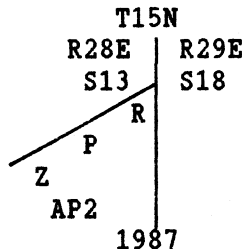
N 0°26' W, bet. secs. 13 and 18.

Over rolling grassland.

25.07

Point for AP 2, sec. 13, on the center line of the Zuni Pilgrimage Route (Main Trail).

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 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 cor.

The cor. falls in the N track of an old track road bearing N 60° E and S 60° W.

From this point, AP 1, sec. 13, on the center line of the Zuni Pilgrimage Route (Main Trail), bears S 63°01' W, 41.215 chs. dist., hereinafter described.

40.09

The 1/4 sec. cor. of secs. 13 and 18, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 9 ins. above ground, with brass cap mkd.

Dependent Resurvey, Portion East Boundary,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

T15N  
R28E R29E  
1/4  
S13 | S18  
1963

N 0°26' W, beginning new measurement.

Continue over nearly level grassland.

40.09

The cor. of secs. 7, 12, 13, and 18, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.

T15N  
R28E | R29E  
S12 | S 7  
-----  
S13 | S18  
1963

Dependent Resurvey,  
Portion of the Subdivisional Lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

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

From the cor. of secs. 19, 24, 25, and 30, on the E bdy. of the Tp.

N 89°51' W, bet. secs. 24 and 25.

Over rolling grassland.

40.47

The 1/4 sec. cor. of secs. 24 and 25, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.

T15N R28E  
1/4 S24  
S25  
1963

Dependent Resurvey, Portion Subdivisional Lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

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

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N 89°50' W, beginning new measurement.

Continue over rolling grassland.

40.47

The cor. of secs. 23, 24, 25, and 26, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd.

T15N R28E	
S23	S24
S26	S25
1963	

A mound of stone, 1 1/2 ft. base, 1 ft. high, is W of the cor.

---

N 0°50' W, bet. secs. 23 and 24.

Over rolling grassland.

40.14

The 1/4 sec. cor. of secs. 23 and 24, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd.

T15N R28E	
1/4	
S23	S24
1963	

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

---

N 0°58' W, beginning new measurement.

Continue over rolling grassland.



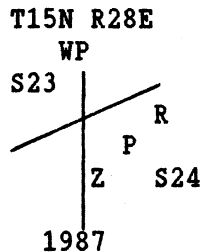
Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

31.22

Point for a witness point on line bet. secs. 23 and 24, 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., 13 ins. in the ground, and in a mound of stone, 3 1/2 ft. base, to top, with brass cap mkd.



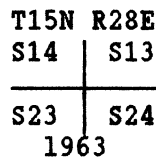
Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

Set a steel fence post near the cor.

From this point, AP 1, sec. 13, on the center line of the Zuni Pilgrimage Route (Main Trail), bears N 71°27.3' E, 46.925 chs. dist., hereinafter described.

40.13

The cor. of secs. 13, 14, 23, and 24, 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, 2 ft. base, 1 ft. high, is W of cor.

From the cor. of secs. 13, 18, 19, and 24, on the E bdy. of the Tp.

N 89°44' W, bet. secs. 13 and 24.

Over rolling grassland.

Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

40.78

The 1/4 sec. cor. of secs. 13 and 24, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd. after new date added.

T15N R28E

1/4  $\frac{S13}{S24}$

1987

1963

from which a 1963 bearing object

A windmill casing, bears N 28° E, 846 lks. dist., (Record: N 27° E, 819 lks. dist.)

and a new bearing object

A windmill bears N 27 1/4° E, 896 lks. dist.

A mound of stone, 2 ft. base, 1 ft. high, is N of cor.

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N 89°46' W, beginning new measurement.

Continue over rolling ground.

14.39

Point for a witness point on line bet. secs. 13 and 24, 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.

T15N R28E

WP R

S13 P

Z

---

S24

1987

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

Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS	<p>Set a steel fence post near the cor.</p> <p>From this point, AP 1, sec. 13, on the center line of the Zuni Pilgrimage Route (Main Trail), bears N 71°27.3' E, 19.25 chs. dist., hereinafter described.</p>
40.78	<p>The cor. of secs. 13, 14, 23, and 24.</p> <hr/> <p>N 0°07' E, bet. secs. 13 and 14.</p> <p>Over rolling grassland.</p>
40.14	<p>The 1/4 sec. cor. of secs. 13 and 14, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T15N R28E 1/4 S14   S13 1963</p> </div> <p>A mound of stone, 3 ft. base, 1 ft. high, is W of cor.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N 0°07' E, beginning new measurement.</p> <p>Continue over rolling ground.</p>
40.13	<p>The cor. of secs. 11, 12, 13, and 14, 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; margin: 10px 0;"> <p>T15N R28E S11   S12 ----- S14   S13 1963</p> </div> <p>A mound of stone, 2 ft. base, 1 ft. high, is W of cor.</p> <hr/>

Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

<p>CHAINS</p>	<p>From the cor. of secs. 7, 12, 13, and 18, on the E bdy. of the Tp.</p> <p>N 89°41' W, bet. secs. 12 and 13.</p> <p>Over rolling grassland.</p> <p>40.39 The 1/4 sec. cor. of secs. 12 and 13, 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 R28E 1/4 <u>S12</u>           <u>S13</u>           1963</p> <p>A mound of stone, 2 ft. base, 2 ft. high, is N of cor.</p> <hr style="width: 20%; margin: auto;"/> <p>N 89°41' W, beginning new measurement.</p> <p>Continue over rolling ground.</p> <p>40.39 The cor. of secs. 11, 12, 13, and 14.</p> <hr style="width: 60%; margin: auto;"/> <p>From the cor. of secs. 23, 24, 25, and 26.</p> <p>N 89°59' W, bet. secs. 23 and 26.</p> <p>Over rolling grassland.</p> <p>40.65 The 1/4 sec. cor. of secs. 23 and 26, 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 R28E 1/4 <u>S23</u>           <u>S26</u>           1963</p> <hr style="width: 20%; margin: auto;"/>	
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Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

N 89°55' W, beginning new measurement.

Continue over rolling ground.

30.90 Railroad tracks, bear S 20° E and N 20° W.

32.90 Gravel road, 25 lks. wide, bears S 20° E and N 20° W.

40.70 The cor. of secs. 22, 23, 26, and 27, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 7 ins. above ground, with brass cap mkd.

T15N R28E	
S22	S23
S27	S26
1963	

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

The corner is located 3 lks. dist., S of a barbed wire fence, extending E and W, and 45 lks. dist., W of the fence cor. extending E, S, and W.

N 0°34' W, bet. secs. 22 and 23.

Over rolling grassland.

18.25 Gravel road, 25 lks. wide, bears S 20° E and N 20° W.

20.75 Railroad tracks, bear S 20° E and N 20° W.

40.16 The 1/4 sec. cor. of secs. 22 and 23, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd.

T15N R28E	
1/4	
S22	S23
1963	

A mound of stone, 2 ft. base, 1 ft. high, is W of cor.

Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

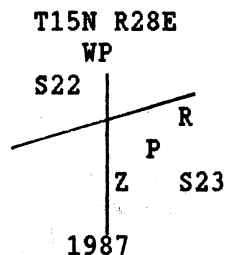
CHAINS

N 0°37' W, beginning new measurement.

Continue over rolling ground.

4.08 Point for a witness point on line bet. secs. 22 and 23, 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.

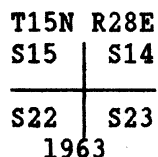


Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

Set a steel fence post near the cor.

From this point, AP 1, sec. 13, on the center line of the Zuni Pilgrimage Route (Main Trail), bears N 71°27.3' E, 132.015 chs. dist., hereinafter described.

40.14 The cor. of secs. 14, 15, 22, and 23, 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, 2 ft. base, 1 ft. high, is N of cor.

From the cor. of secs. 13, 14, 23, and 24.

N 89°59' W, bet. secs. 14 and 23.

Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

<p>CHAINS</p>	<p>Over rolling grassland.</p> <p>40.45 The 1/4 sec. cor. of secs. 14 and 23, 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 R28E 1/4 <math>\frac{S14}{S23}</math> 1963</p> <p>A mound of stone, 2 ft. base, 1 ft. high, is N of cor.</p> <hr style="width: 20%; margin: auto;"/> <p>N 89°54' W, beginning new measurement.</p> <p>Continue over rolling ground.</p> <p>40.45 The cor. of secs. 14, 15, 22, and 23.</p> <hr style="width: 60%; margin: auto;"/> <p>From the cor. of secs. 22, 23, 26, and 27.</p> <p>S 89°53' W, bet. secs. 22 and 27.</p> <p>Over rolling grassland.</p> <p>40.25 The 1/4 sec. cor. of secs. 22 and 27, 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 R28E 1/4 <math>\frac{S22}{S27}</math> 1963</p> <p>A mound of stone, 2 ft. base, 1 ft. high, is N of cor.</p> <p>The cor. is located 32 lks. dist., S of a barbed wire fence extending E and W.</p> <hr style="width: 20%; margin: auto;"/>
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Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

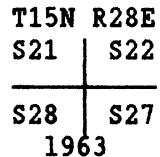
CHAINS

S 89°52' W, beginning new measurement.

Continue over rolling ground.

40.28

The cor. of secs. 21, 22, 27, and 28, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.



A mound of stone, 2 ft. base, 1 ft. high, is W of cor.

The cor. is located 59 lks. dist., S of a barbed wire fence, extending E and W.

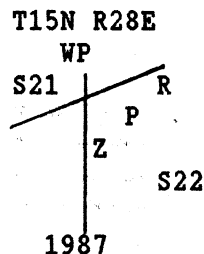
N 0°44' W, bet. secs. 21 and 22.

Over rolling grassland.

17.48

Point for a witness point on line bet. secs. 21 and 22, 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., 25 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 cor.



Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From this point, AP 1, sec. 21, on the center line of the Zuni Pilgrimage Route (at intersection of the Main Trail and the Return Trail), bears S 71°27.3' W, 48.30 chs. dist., hereinafter described.</p>
40.12	<p>The 1/4 sec. cor. of secs. 21 and 22, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 7 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T15N R28E 1/4 S21   S22 1963</p> <p>A mound of stone, 3 ft. base, 1 ft. high, is W of cor.</p> <hr style="width: 20%; margin: auto;"/> <p>N 0 °44' W, beginning new measurement.</p> <p>Continue over rolling ground</p>
40.13	<p>The cor. of secs. 15, 16, 21, and 22, 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 R28E S16   S15 ----- S21   S22 1963</p> <p>A mound of stone, 2 ft. base, 2 ft. high, is W of cor.</p> <hr/> <p>From the cor. of secs. 14, 15, 22, and 23.</p> <p>N 89°56' W, bet. secs. 15 and 22.</p> <p>Over rolling grassland.</p>
28.70	Railroad tracks, bear S 25° E and N 25° W.
29.25	Gravel road, 30 lks. wide, bears S 25° E and N 25° W.
40.36	The 1/4 sec. cor. of secs. 15 and 22, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd.

Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

T15N R28E

1/4  $\frac{S15}{S22}$

1963

A mound of stone, 4 ft. base, 1 ft. high, is W of cor.

S 89°35' W, beginning new measurement.

Continue over rolling ground.

40.35 The cor. of secs. 15, 16, 21, and 22.

From the cor. of secs. 28, 29, 32, and 33, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.

T15N R28E

S29 | S28

S32 | S33

1963

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

N 0°22' W, bet. secs. 28 and 29.

Over rolling grassland.

40.13 The 1/4 sec. cor. of secs. 28 and 29, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.

T15N R28E

1/4

S29 | S28

1963

A mound of stone, 2 ft. base, 1 ft. high, is W of cor.

N 0°20' W, beginning new measurement.

Continue over rolling ground.

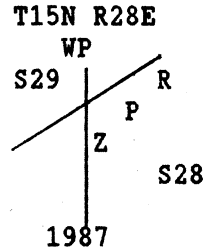
Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

17.87

Point for a witness point on line bet. secs. 28 and 29 and 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.

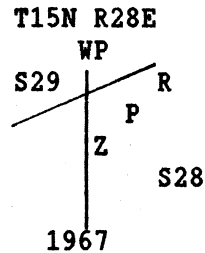
Set a steel fence post near the cor.

From this point, AP 1, sec. 21, on the center line of the Zuni Pilgrimage Route (at intersection of the Main Trail and the Return Trail), bears N 55°27' E, 43.10 chs. dist., hereinafter described.

30.06

Point for a witness point on line bet. secs. 28 and 29 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.

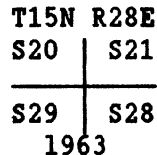
Set a steel fence post near the cor.

Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

From this point, AP 1, sec. 29, on the center line of the Zuni Pilgrimage Route (Main Trail), bears S 70°59' W, 60.43 chs. dist., hereinafter described.

40.15 The cor. of secs. 20, 21, 28, and 29, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.



A mound of stone, 2 ft. base, 1 ft. high, is W of cor.

The cor. is located 54 lks. dist., S of a dirt road and 103 lks. dist., S of a barbed wire fence, both bear E and W.

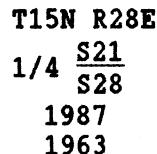
From the cor. of secs. 21, 22, 27, and 28.

N 89°51' W, bet. secs. 21 and 28.

Over rolling grassland.

40.14 A barbed wire fence, extends N and S.

40.82 The 1/4 sec. cor. of secs. 21 and 28, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. after new date added.



from which

AP 1, sec. 21, on the center line of the Zuni Pilgrimage Route (at the intersection of the Main Trail and the Return Trail), bears N 68°53' W, 5.57 chs. dist., hereinafter described.

Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

A mound of stone, 3 ft. base, 1 ft. high, is N of cor.  
The cor. is located 66 lks. dist., S of a barbed wire  
fence, extending E and W.

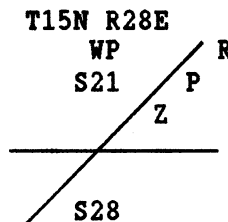
S 89°46' W, beginning new measurement.

Continue over rolling ground.

7.90 Dirt road, 15 lks. wide, bears N 30° E and S 35° W, in  
curve.

8.16 Point for a witness point on line bet. secs. 21 and 28  
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., 25 ins. in the ground, with brass cap mkd.



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 25 lks. dist., S of a dirt road,  
15 lks. wide, and 72 lks. dist., S of a barbed wire  
fence, both extending E and W.

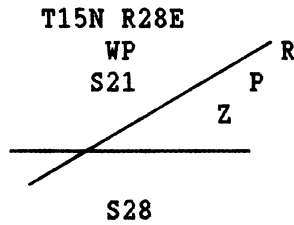
From this point, AP 1, sec. 21, on the center line of  
the Zuni Pilgrimage Route (at the intersection of the  
Main Trail and the Return Trail) bears N 55°27' E,  
3.60 chs. dist., hereinafter described.

11.15 Point for a witness point on line bet. secs. 21 and 28  
at intersection with the center line of the Zuni  
Pilgrimage Route (Main Trail).

Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

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



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 60 lks. dist., S of a dirt road, 15 lks. wide, and 77 lks. dist., S of a barbed wire fence, both extending E and W.

From this point, AP 1, sec. 21, on the center line of the Zuni Pilgrimage Route (at the intersection of the Main Trail and the Return Trail), bears N 70°59' E, 6.30 chs. dist., hereinafter described.

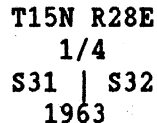
40.82 The cor. of secs. 20, 21, 28, and 29.

From the cor. of secs. 5, 6, 31, and 32, on the S bdy. of the Tp.

N 0°08' E, bet. secs. 31 and 32.

Over rolling grassland.

40.46 The 1/4 sec. cor. of secs. 31 and 32, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 14 ins. above ground, with brass cap mkd.



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

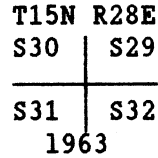
Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

N 0°09' E, beginning new measurement.

Continue over rolling ground.

40.48 The cor. of secs. 29, 30, 31, and 32, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd.



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

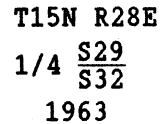
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From the cor. of secs. 28, 29, 32, and 33.

N 89°34' W, bet. secs. 29 and 32.

Over rolling grassland.

40.46 The 1/4 sec. cor. of secs. 29 and 32, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 11 ins. above ground, with brass cap mkd.



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

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N 89°38' W, beginning new measurement.

Continue over rolling ground.

40.51 The cor. of secs. 29, 30, 31, and 32.

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S 89°33' W, bet. secs. 30 and 31.

Over rolling grassland.

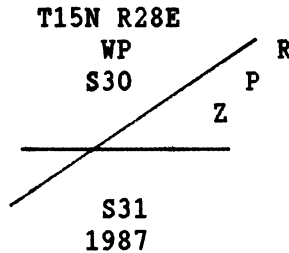
Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

2.855

Point for a witness point on line bet. secs. 30 and 31, 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 near the cor.

From this point, AP 1, sec. 21, on the center line of the Zuni Pilgrimage Route (at the intersection with the Main Trail and the Return Trail), bears N 55°27' E, 144.41 chs. dist., hereinafter described.

40.52

The 1/4 sec. cor. of secs. 30 and 31, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 9 ins. above ground, with brass cap mkd.

T15N R28E  
1/4  $\frac{S30}{S31}$   
1963

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

S 89°28' W, beginning new measurement.

Continue over rolling ground.

39.37

The cor. of secs. 25, 30, 31, and 36, on the W bdy. of the Tp. monumented with an iron post, 2 1/2 ins diam., firmly set, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the E bdy. of T 15 N, R 27 E, executed concurrently under this same group.



Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

From the cor. of secs. 29, 30, 31, and 32.

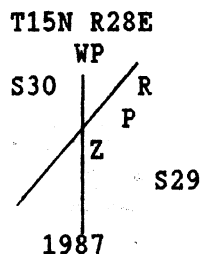
N 0°10' W, bet. secs. 29 and 30.

Over rolling grassland.

1.94

Point for a witness point on line bet. secs. 29 and 30, 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.



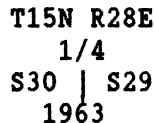
Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

Set a steel fence post near the cor.

From this point, AP 1, sec. 21, on the center line of the Zuni Pilgrimage Route (at the intersection with the Main Trail and the Return Trail), bears N 55°27' E, 140.95 chs. dist., hereinafter described.

40.47

The 1/4 sec. cor. of secs. 29 and 30, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.



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

N 0°05' W, beginning new measurement.

Continue over rolling ground.

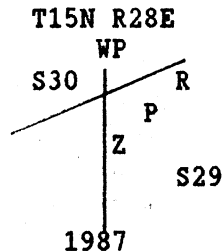
Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

3.25

Point for a witness point on line bet. secs. 29 and 30, 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., 25 ins. in the ground, with brass cap mkd.



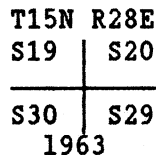
Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

Set a steel fence post near the cor.

From this point, AP 1, sec. 29, on the center line of the Zuni Pilgrimage Route (Main Trail), bears N 75°11' E, 24.31 chs. dist., hereinafter described.

40.45

The cor. of secs. 19, 20, 29, and 30, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.



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

The cor. is located 7 lks. dist., S of a barbed wire fence, extending E and W.

From the cor. of secs. 20, 21, 28, and 29.

N 89°04' W, bet. secs. 20 and 29.

Over rolling grassland.

Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS	
40.33	<p>The 1/4 sec. cor. of secs. 20 and 29, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 7 ins. above ground, with brass cap mkd.</p>
	<p>T15N R28E 1/4 <math>\frac{S20}{S29}</math> 1963</p>
	<p>The cor. is located 62 lks. dist., S of a barbed wire fence, extending E and W.</p>
	<hr/> <p>N 89°13' W, beginning new measurement.</p>
	<p>Continue over rolling ground.</p>
10.85	<p>A barbed wire fence, extends N 35° E, and S 35° W,</p>
20.145	<p>Point for the W 1/16 sec. cor. of secs. 20 and 29.</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>T15N R28E W 1/16 <math>\frac{S20}{S29}</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 38 lks. dist., S of a barbed wire fence, extending E and W.</p>
40.29	<p>The cor. of secs. 19, 20, 29, and 30.</p>
	<hr/> <p>S 89°10' W, bet. secs. 19 and 30.</p>
	<p>Over rolling grassland.</p>
13.80	<p>Dirt road, 15 lks. wide, bears S 70° E, and N 75° W, in curve.</p>

Dependent Resurvey, Portion Subdivisional lines,  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS	
40.60	<p>The 1/4 sec. cor. of secs. 19 and 30, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.</p>
	<p>T15N R28E 1/4 <u>S19</u> S30 1963</p>
	<p>A mound of stone, 4 ft. base, 1 ft. high, is W of cor. The cor. is located 76 lks. dist., S of a dirt road, 15 lks. wide, bears E and W.</p>
	<hr/> <p>S 88°59' W, beginning new measurement.</p>
	<p>Continue over rolling ground.</p>
38.91	<p>The cor. of secs. 19, 24, 25, and 30, on the W bdy. of the Tp., monumented with an iron post, 2 1/2 ins. diam., firmly set, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the E bdy. of T 15 N, R 27 E, executed concurrently under this same group.</p>
	<hr/> <p>Metes-and-Bounds Survey, Zuni Pilgrimage Route (Main Trail) T 15 N, R 28 E, Gila and Salt River Meridian, Arizona</p>
	<hr/> <p>From AP 1, sec. 25, T 15 N, R 27 E, identical to AP 1, sec. 30, T 15 N, R 28 E, on the W bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the E bdy. of T 15 N, R 27 E, executed concurrently under this same group.</p>
	<p>N 75°11' E, on the center line of the Zuni Pilgrimage Route (Main Trail)</p>
	<p>Over rolling grassland.</p>
82.45	<p>The witness point bet. secs. 29 and 30, located 3.25 chs. dist., N 0°05' W, of the 1/4 sec. cor. of secs. 29 and 30.</p>

Metes-and-Bounds Survey, Zuni Pilgrimage Route (Main Trail),  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

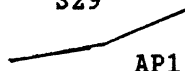
## CHAINS

106.76

Point for AP 1, sec. 29.

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

T15N R28E  
S29



AP1  
ZPR  
1987

from which

A windmill, bears S 54° W, 78 lks. dist.

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.

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N 70°59' E, on the center line of the Zuni Pilgrimage  
Route (Main Trail)

60.43

The witness point, bet. secs. 28 and 29, located 10.09  
chs. dist., S 0°20' E, of the cor. of sec. 20, 21, 28,  
and 29.

91.75

The witness point, bet. secs. 21 and 28, located 29.67  
chs. dist., N 89°46' E, of the cor. of sec. 20, 21,  
28, and 29.

98.05

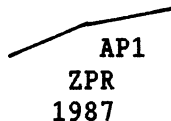
Point for AP 1, sec. 21, on the center line of the  
Zuni Pilgrimage Route at the intersection of the Main  
Trail and the Return Trail.

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

Metes-and-Bounds Survey, Zuni Pilgrimage Route (Main Trail),  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS

T15N R28E  
S21



from which

A well casing, 6 ins. diam., projecting 10 ins. above ground, bears S 29 1/4° W, 50 lks. dist.

A well casing, 6 ins. diam., projecting 24 ins. above ground, bears S 44 1/2° W., 56 1/2 lks. dist.

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 1.5 ft. dist., N from the NW cor. of a corral, and 87.3 ft. dist., N of a fence extending E and W.

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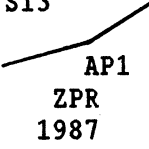
N 71°27.3' E, on the center line of the Zuni Pilgrimage Route (Main Trail).

Over rolling grassland

- 48.30 The witness point, bet. secs. 21 and 22.
- 122.15 Gravel road, 30 lks. wide, bears S 25° E and N 25° W.
- 122.85 Railroad tracks, bear S 25° E and N 25° W
- 133.00 The witness point bet. secs. 22 and 23.
- 218.09 The witness point bet. secs. 23 and 24.
- 245.765 The witness point bet. secs. 13 and 24.
- 265.015 Point for AP 1, sec. 13, on 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.

Metes-and-Bounds Survey, Zuni Pilgrimage Route (Main Trail),  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T15N R28E S13</p>  <p style="text-align: center;">AP1 ZPR 1987</p> <p>from which</p> <p style="padding-left: 40px;">A wood windmill, bears N 8 1/4° E, 108 lks. dist.</p> <p style="padding-left: 40px;">A water pipe, projecting 5 ins. above ground, bears N 4 1/2° E, 131 lks. 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>N 63°01' E, on the center line of the Zuni Pilgrimage Route (Main Trail).</p>
41.215	<p>AP 2, sec.13, on the W bdy. of the Tp.</p> <hr/> <p style="text-align: center;">Metes-and-Bounds Survey, Zuni Pilgrimage Route (Return Trail) T 15 N, R 28 E, Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the witness point bet. secs. 31 and 36, on the W bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the E bdy. of T 15 N, R 27 E, executed concurrently under this same group.</p> <p>N 55°27' E on the center line of the Zuni Pilgrimage Route (Return Trail).</p> <p>Over rolling grassland.</p>
93.68	<p>The witness point bet, secs. 30 and 31.</p>
97.14	<p>The witness point bet. secs. 29 and 30, located 1.94 chs. dist., N 0°10' W, of the cor. of secs. 29, 30, 31, and 32.</p>

Metes-and-Bounds Sur., Zuni Pilgrimage Route (Return Trail),  
T 15 N, R 28 E, Gila and Salt River Meridian, Arizona

<p>CHAINS</p> <p>194.99</p> <p>234.49</p> <p>238.09</p>	<p>The witness point bet. secs. 28 and 29, located 17.87 chs. dist., N 0°20' W, of the 1/4 sec. cor. of secs. 28 and 29.</p> <p>The witness point bet. secs. 21 and 28, located 8.16 chs. dist., S 89°46' W, of the 1/4 sec. cor. of secs. 21 and 29.</p> <p>AP 1, sec. 21.</p> <hr/> <p style="text-align: center;"><b>GENERAL DESCRIPTION</b></p> <p>The land encompassed in this survey is located about twelve miles north of the small town of St. Johns, Arizona, which is the county seat of Apache County in northeastern Arizona. This area drains to the southwest by many washes, flowing 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 5700 ft. above sea level.</p> <p>This area is reached by many dirt roads from the south off U.S. Highway No. 180. The only improvements in the area are windmills and fencing throughout the township.</p> <p>The mean magnetic declination as taken from the U.S. Geological Survey quadrangle map "SCHNEBLY WELL, ARIZ", photo revised in 1984, is 12° E.</p>	
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UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Gary D. Knoff	Crew Chief, Surveying Technician
Gordon R. Bubel Jr.	Survey Aid
John E. Chee	Survey Aid
William J. Hopfensperger	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 a portion of the south and east boundaries and a portion of the subdivisional lines and surveyed the metes-and-bounds survey of the center line of the Zuni Pilgrimage Route in Township 15 North, Range 28 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 a portion of the south and east boundaries 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 28 East, Gila and Salt River Meridian, 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 28 E, Gila and Salt River Meridian, Arizona is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~