

# FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,

A PORTION OF THE SUBDIVISIONAL LINES

AND

THE SURVEY OF THE 5 MILE DIAGONAL LINE THRU CERTAIN SECTIONS,

TOWNSHIP 11 SOUTH, RANGE 23 WEST,

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

## EXECUTED BY

PAUL L. REEVES, CADASTRAL SURVEYOR

Under special instructions dated NOVEMBER 12, 19 80, approved NOVEMBER 14, 1980,

621, which provided for the surveys included under U.S. Survey/Group  
NOVEMBER 14 80  
Number \_\_\_\_\_, and assignment instructions dated \_\_\_\_\_, 19 \_\_\_\_\_.

NOVEMBER 18 80

Survey commenced DECEMBER 15, 19 80

Survey completed \_\_\_\_\_, 19 \_\_\_\_\_

# INDEX DIAGRAM

Township 11 SOUTH, Range 23 WEST

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T. 11 S., R. 23 W., Gila and Salt River Mer., Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the east boundary, a portion of the subdivisional lines and the survey of the 5 Mile Diagonal Line, through certain sections of Township 11 South, Range 23 West, Gila and Salt River Meridian, Arizona.

The north boundary was surveyed by Theodore F. White in 1874. William H. Thorn and William D. Wilson resurveyed the north boundary and surveyed the east boundary and subdivisional lines in 1920.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 621, Arizona, dated November 12, 1980.

Preliminary to the resurvey the lines of the original survey were retraced and search was made for all corners and other calls of the record. All corners required for this survey were recovered and when necessary were remonumented in their original positions. The retracement data were thoroughly verified and only the true line field notes are given herein.

The direction of the lines of this survey was determined by altitude observations on the sun and refer to the true meridian. Distance were measured with a Hewlett-Packard 3820 A Total Station.

In 1964 the U.S. Geological Survey established latitude and longitude at the cor. of secs. 34 and 35 only, T. 10 S., R. 23 W., on the south boundary of that Tp. The geographic position of the corner of sections 1, 6, 7 and 12, on the east boundary as determined by a tie to the cor. of secs. 34 and 35 only, T. 10 S., R. 23 W., is as follows:

Latitude 32°29'40.9" N      Longitude 114°33'42.1" W

The mean magnetic declination is 14°00' E.

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Dependent Resurvey of a Portion of the East Boundary,  
T. 11 S., R. 23 W., Gila and Salt River Mer., Arizona

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(Restoring the 1920 survey by William H. Thorn and  
William D. Wilson.)

Beginning at the cor. of secs. 1, 6, 7 and 12, monumented with an iron post, 2 ins. diam., projecting 10 ins. above the ground, with brass cap mkd.

T11S  
R23W R22W  
S 1 | S 6  
S12 | S 7  
1920

Cor. is located 15 lks. W of a track road, bears irregularly N and S.

From this point a Reclamation Bench Mark, bears S. 52°29' W., 1.347 chs. dist. monumented with a 3 in. brass tablet in a 12 in. base of concrete, mkd. H423V 303 Mesa.

Dependent Resurvey of a Portion of the East Boundary,  
T. 11 S., R. 23 W., Gila and Salt River Mer., Arizona

CHAINS

North, bet. secs. 1 and 6.

Over nearly level land, through scattered creosote and sagebrush.

5.80 Point for the witness point of secs. 1 and 6, approximately 5 miles in a northeasterly direction from and perpendicular to the Arizona and Mexico boundary. This is the beginning point for the survey of the 5 Mile Diagonal Line.

Set an iron post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 23 ins. in the ground, with brass cap mkd.

W P  
T11S  
R23W | R22W  
S 1 | S 6  
1980

Set a fiberglass post, 6 ft. long, 2 ft. in the ground alongside the cor.

Cor. is located 90 lks. W of a track road, bears irregularly N and S.

40.01 The  $\frac{1}{4}$  sec. cor. of secs. 1 and 6, monumented with the remains of a rusty flange, 24 ins. below ground. An iron post 1 in. diam., 34 ins. long with the flange rusted off was found lying loose on the ground, with brass cap mkd.

$\frac{1}{4}$   
S 1 | S 6  
1920

At the cor. point

Set an iron post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

T11S  
R23W R22W  
 $\frac{1}{4}$   
S 1 | S 6  
1980

Deposit the original iron post alongside the cor.

Set a fiberglass post, 6 ft. long, 2 ft. in the ground alongside the cor.

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Dependent Resurvey of a Portion of the Subdivisional Lines, T. 11 S., R. 23 W., Gila & Salt River Mer., Ariz.

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(Restoring the 1920 survey by William H. Thorn and William D. Wilson)

From the cor. of secs. 1, 6, 7 and 12, on the E bdy. of the Tp., heretofore described.

S.  $89^{\circ}59'$  W., bet. secs. 1 and 12.

Over nearly level land, through scattered creosote and sagebrush.

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 11 S., R. 23 W., Gila & Salt River Mer., Arizona

CHAINS	
40.01	<p>The 1/4 sec. cor. of secs. 1 and 12, monumented with an iron post, 1 in. diam., projecting 10 ins. above the ground, with brass cap mkd.</p>
	$\begin{array}{r} \frac{1}{4} \frac{S}{S12} \frac{1}{1920} \end{array}$
	<p>Remark the cap to read.</p>
	$\begin{array}{r} T11S R23W \\ \frac{1}{4} \frac{S}{S12} \frac{1}{1980} \\ \frac{1}{4} \frac{S}{S12} \frac{1}{1920} \end{array}$
	<p>S. 89°59' W., beginning new measurement.</p>
40.00	<p>The cor. of secs. 1, 2, 11 and 12, monumented with the remains of a rusty flange, 18 ins. below ground. An iron post 2 ins. diam., 33 ins. long with the flange rusted off was found lying loose on the ground, with brass cap mkd.</p>
	$\begin{array}{r} T11S R23W \\ \frac{S}{S11} \frac{2}{S12} \frac{S}{1920} \frac{1}{S1} \end{array}$
	<p>At the cor. point</p>
	<p>Set and iron post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.</p>
	$\begin{array}{r} T11S R23W \\ \frac{S}{S11} \frac{2}{S12} \frac{S}{1980} \frac{1}{S1} \end{array}$
	<p>Deposit the original iron post horizontally alongside the cor.</p>
	<p>Set a steel fence post alongside the cor.</p>
	<p>Cor. is located in the E edge of a N and S track road.</p>
34.32	<p>N. 0°01' W., bet. secs. 1 and 2. Over nearly level land, through scattered creosote and sagebrush. Point for the witness point of secs. 1 and 2 at intersection with the 5 Mile Diagonal Line.</p>
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p>
	$\begin{array}{r} W P \\ T11S R23W \\ \frac{S}{S11} \frac{2}{S12} \frac{S}{1980} \frac{1}{S1} \end{array}$
	<p>Cor. is located in center of a N and S track road.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 11 S., R. 23 W., Gila & Salt River Mer., Arizona

CHAINS

Set a fiberglass post, 6 ft. long, 2 ft. in the ground E of the cor. along the E edge of a road.

From this point, the point for the 1 Mile Cor., on the 5 Mile Diagonal Line, bears S. 70°24' E., 4.945 chs. dist., hereinafter described.

40.01 The 1/4 sec. cor. of secs. 1 and 2, monumented with an iron post, 1 in. diam., 27 ins. long, broken off flush with the ground. The top portion of the iron post, 9 ins. long was found lying loose on the ground, with brass cap mkd.

1/4  
S 2 | S 1  
1920

At the cor. point

Set an iron post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, with brass cap mkd.

T11S R23W  
1/4  
S 2 | S 1  
1980

Deposit the original iron post alongside the cor.

Set a steel fence post alongside the cor. Cor. is located at the E edge of N and S track road.

From the cor. of secs. 1, 2, 11 and 12.

S. 89°58' W., bet. secs. 2 and 11.

Over nearly level land, through scattered creosote and sagebrush.

40.00 The 1/4 sec. cor. of secs. 2 and 11, monumented with an iron post, 1 in. diam., projecting 8 ins. above the ground, with brass cap mkd.

1 S 2  
4 S11  
1920

Remark the cap to read

T11S R23W  
1 S 2  
4 S11  
1980  
1920

From the cor. of secs. 2, 3, 10 and 11, monumented with an iron post, 2 ins. diam., projecting 14 ins. above the ground, with brass cap mkd.

T11S R23W  
S 3 | S 2  
S10 | S11  
1920

Dependent Resurvey of a Portion of the Subdivisional  
Lines, T. 11 S., R. 23 W., Gila & Salt River Mer., Arizona

CHAINS

Cor. is located 50 lks. NE of a track road intersection;  
roads extend N, S, E and W.

N. 0°01' W., bet. secs. 2 and 3.

Over gently rolling land, through medium creosote and  
sagebrush.

40.00 The 1/4 sec. cor. of secs. 2 and 3, monumented with an  
iron post, 1 in. diam., projecting 10 ins. above the  
ground, with brass cap mkd.

1/4  
S 3 | S 2  
1920

Remark the brass cap to read

T11S R23W  
1/4  
S 3 | S 2  
1980  
1920

Cor. is located 20 lks. E of a track road, bears N  
and S.

N. 0°03' W., beginning new measurement.

22.805 Point for the witness point of secs. 2 and 3 at inter-  
section with the 5 Mile Diagonal Line.

Set an iron post, 28 ins. long, 2½ ins. diam., 22 ins.  
in the ground, with brass cap mkd.

W P  
T11S R23W  
S 3 | S 2  
1980

Set a fiberglass post, 6 ft. long, 2 ft. in the ground  
alongside the cor.

Cor. is located along the E side of a N and S track  
road.

From this point the 2 Mile Cor. on the 5 Mile Diagonal  
Line, bears S. 70°24' E., 9.87 chs. dist., hereinafter  
described.

37.91 The cor. of secs. 2 and 3 only, on the N bdy. of the  
Tp., monumented with an iron post, 2 ins. diam., pro-  
jecting 16 ins. above the ground, with brass cap mkd.

T11 R23W  
S 3 | S 2  
1920

Remark the cap to read

T10S R23W  
S35  
S 3 | S 2  
T11S  
1980  
1920

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 11 S., R. 23 W., Gila & Salt River Mer., Arizona

CHAINS

Cor. is located 50 lks. SE of the intersection of track roads extending N, S, E and W.

From this cor. the cor. of secs. 34 and 35 only, T. 10 S., R. 23 W., bears S. 89°12' W., 70 lks. dist., described in the field notes of the dependent resurvey of a portion of the S bdy. of T. 10 S., R. 23 W., of this assignment. The geographic position of this cor. as established by the U.S. Geological Survey is:

Latitude 32°30'31.732" N Longitude 114°35'46.004" W

Survey of the 5 Mile Diagonal Line Thru Certain Secs., T. 11 S., R. 23 W., Gila & Salt River Mer., Arizona

From the witness point of secs. 1 and 6, on the E bdy. of the Tp., heretofore described.

N. 70°24' W., on the 5 Mile Diagonal Line through sec. 1, on a transit line describing the tangent.

Over gently rolling land, through medium creosote and scattered sagebrush.

40.00 Point for the ½ Mile Cor. on the 5 Mile Diagonal Line in sec. 1, North, .2 lk. from the tangent.

Set an iron post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T11S R23W  
 ½ M  
 S 1  
 1980

Set a fiberglass post, 6 ft. long, 2 ft. in the ground alongside the cor.

80.00 Point for the 1 Mile Cor. on the 5 Mile Diagonal Line in sec. 1, North, .6 lk. from the tangent.

Set an iron post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T11S R23W  
 1 M  
 S 1  
 1980

Set a fiberglass post, 6 ft. long, 2 ft. in the ground alongside the cor.

84.945 The witness point, of secs. 1 and 2, on the 5 Mile Diagonal Line, North, .7 lk. from the tangent, heretofore described.

N. 70°24' W., through sec. 2, on a transit line describing the tangent which bears N. 70°24.6' W., continuing measurement.

120.00 Point for the 1½ Mile Cor. on the 5 Mile Diagonal Line in sec. 2, North, 1.4 lks. from the tangent.

Set an iron post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

Survey of the 5 Mile Diagonal Line Thru Certain Secs.,  
T. 11 S., R. 23 W., Gila & Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T11S R23W 1 1/2 M S 2 1980</p>
	<p>Set a fiberglass post, 6 ft. long, 2 ft. in the ground alongside the cor.</p>
160.00	<p>Point for the 2 Mile Cor., on the 5 Mile Diagonal Line in sec. 2, North, 2.4 lks. from the tangent.</p> <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T11S R23W 2 M S 2 1980</p>
	<p>Set a fiberglass post, 6 ft. long, 2 ft. in the ground alongside the cor.</p>
169.87	<p>The 2 witness point of secs. 2 and 3, on the 5 Mile Diagonal Line, North, 2.7 lks. from the tangent, heretofore described.</p> <p>N. 70°24' W., through sec. 3, on a transit line describing the tangent which bears N. 70°25.1' W., continuing measurement.</p>
200.00	<p>Point for the 2 1/2 Mile Cor., on the 5 Mile Diagonal Line in sec. 3, North, 3.8 lks. from the tangent.</p> <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T11S R23W 2 1/2 M S 3 1980</p>
	<p>Set a fiberglass post, 6 ft. long, 2 ft. in the ground alongside the cor.</p>
213.58	<p>Point for the witness point of secs. 3 and 34, on the N bdy. of the Tp., North, 4.3 lks. from the tangent.</p> <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">W P T10S R23W S34 S 3 T11S R23W 1980</p>
	<p>Set a fiberglass post, 6 ft. long, 2 ft. in the ground alongside the cor.</p>

Survey of the 5 Mile Diagonal Line Thru Certain Secs.,  
T. 11 S., R. 23 W., Gila & Salt River Meridian, Arizona

CHAINS

From this point the 1/4 sec. cor. of sec. 34 only, T. 10 S., R. 23 W., bears S. 89°23' W., 6.5 lks. dist., described in the field notes of the dependent resurvey of a portion of the S. bdy. of T. 10 S., R. 23 W., of this assignment.

GENERAL DESCRIPTION

The land encompassed in this survey is located about 11 miles east of San Luis, Arizona. The elevation ranges from about 225 to 275 ft. above sea level.

The soil consists of a loose sandy texture, covered with sparse creosote and sagebrush.

Access is by way of numerous unimproved roads on or along the section lines.



CERTIFICATE OF SURVEY

(I) ~~(We)~~, Paul L. Reeves, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 12th day of November, 1980, (I) ~~(We)~~ have dependently resurveyed a portion of the east boundary, a portion of the subdivisional lines and surveyed the 5 Mile Diagonal Line through certain sections of Township 11 South, Range 23 West,

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), ~~(us)~~ and under (my) ~~(our)~~ 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.

July 24, 1981  
 \_\_\_\_\_  
 (Date)

*Paul L. Reeves*  
 \_\_\_\_\_  
 (Cadastral Surveyor)

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

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

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
 Denver, Colorado

The foregoing field notes of the dependent resurvey of a portion of the east boundary, a portion of the subdivisional lines and the survey of the 5 Mile Diagonal Line through certain sections of Township 11 South, Range 23 West, Gila and Salt River Meridian, Arizona,

executed by Paul L. Reeves, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

SEP 01 1981  
 \_\_\_\_\_  
 (Date)

*Harry S. Speight*  
 \_\_\_\_\_  
 ACTING (Chief, Cadastral Survey Examination and Approval Staff)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, is a true copy of the original field notes.

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

\_\_\_\_\_  
 (Chief, Cadastral Survey Examination and Approval Staff)