

BOOK 5 110

INDEX DIAGRAM

Township 15 South, Range 17 East

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T. 15 S., R. 17 E., Gila and Salt River Mer., Arizona

CHAINS

The following field notes are those of the dependent resurvey and survey of a portion of the east boundary and subdivisional lines, which is a portion of the south boundary of Saguaro National Monument, Township 15 South, Range 17 East of the Gila and Salt River Meridian, Arizona.

The Third Standard Parallel South (south boundary) was surveyed by T. F. White in 1873. The Third Standard Parallel South (south boundary) was resurveyed and a portion of the west boundary and subdivisional lines surveyed by J. H. Martineau in 1893. The south half mile of the west boundary of section six and a portion of the subdivisional lines were resurveyed and the north half mile of the west boundary of section six surveyed by Dupree R. Averill in 1930. A portion of the Third Standard Parallel South (south boundary) was resurveyed and a portion of the east boundary surveyed by C. E. Hunter in 1932.

This survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated January 17, 1975, for Group No. 570, Arizona.

Preliminary to the resurvey, the lines of the original survey were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. 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 solar observations and refer to the true meridian.

The geographic position of the southeast corner of the township, as scaled from the U. S. Geological Survey quadrangle map "RINCON VALLEY, ARIZ.," 1957, is as follows:

Latitude 32° 04.5' N., Longitude 110° 33.2' W.

The mean magnetic declination is 13° East.

Dependent Resurvey of a Portion of the East Boundary
T. 15 S., R. 17 E., Gila and Salt River Mer., Arizona

Restoring the survey executed by
C. E. Hunter in 1932

Beginning at the standard SE cor. of T. 15 S., R. 17 E., on the Third Standard Parallel South, monumented with an iron post, 3 ins. diam., firmly set in a mound of stone, 4 ft. base, to top, with brass cap mkd.

SC
T15S R17E
S 36

1932

Dependent Resurvey of a Portion of the East Boundary
T. 15 S., R. 17 E., Gila and Salt River Mer., Arizona

CHAINS

NORTH, on the E. bdy. of sec. 36.

Over broken land, through scattered timber.

25.00

The standard cor. of Tps. 15 and 16 S., R. 18 E., monumented with an iron post, 3 ins. diam., firmly set in a mound of stone, 5 ft. base, to top, with brass cap mkd.

S 36	S C T15S R18E S 31
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1932

from which the original bearing tree

A white oak, 12 ins. diam., bears S. 89½° W., 81 lks. dist., mkd. X BT.

Dependent Resurvey, Portion of the Subdivisional Lines
T. 15 S., R. 17 E., Gila and Salt River Mer., Arizona

Restoring the survey executed by
J. H. Martineau in 1893

From the cor. of secs. 23, 24, 25, and 26, monumented with a granite stone, 16 x 10 x 5 ins., firmly set in a small mound of stone, 2 ft. base, 1 ft. high, mkd. with 2 notches on S. and 1 notch on E. edges.

At the corner point

Set an iron post, 28 ins. long, 2½ ins. diam., 15 ins. in the ground, in a mound of stone, 2½ ft. base, to top, with brass cap mkd.

T15S R17E	
S 23	S 24
S 26	S 25

1975

Bury cor. stone alongside iron post and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Cor. is located 79 lks. N. of a fence, bears E. and W.

N. 89° 50' W., bet. secs. 23 and 26, along the S. bdy. of Saguaro National Monument.

Over broken land, along and to the N. of a fence, bears E. and W.

4.00

Ravine, drains SW.

15.90

Ridge, bears NE and SW.

Dependent Resurvey, Portion of the Subdivisional Lines
T. 15 S., R. 17 E., Gila and Salt River Mer., Arizona

CHAINS	
40.03	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 23 and 26, at proportionate distance; there is no remaining evidence of the original cor.</p> <p>Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T15S R17E $\frac{1}{4}$ $\frac{S\ 23}{S\ 26}$</p> <p style="text-align: center;">1975</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p> <p>Cor. is located $11\frac{1}{2}$ lks. N. of a fence, bears E. and W.</p>
61.90	Ravine, drains WNW.
80.06	<p>The cor. of secs. 22, 23, 26, and 27, perpetuated by Mr. Petterson, RLS 4785, of Wheeler, Petterson and Coffeen, a Tucson Engineering and Surveying Firm, monumented with a steel rod, $\frac{1}{2}$ in. diam., firmly set, projecting 6 ins. above ground. This point has been accepted as the cor. by the National Park Service and an adjacent landowner, Mr. Henry Jackson, and is accepted as the best available evidence of the original cor. position.</p> <p>At the corner point</p> <p>Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T15S R17E $\frac{S\ 22}{S\ 27}$ $\frac{S\ 23}{S\ 26}$</p> <p style="text-align: center;">1975</p> <p>Reset the steel rod alongside iron post and raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.</p> <p>Cor. is located $1\frac{1}{2}$ lks. S. of a cor. of fences extending N. and E.</p>
3.80	Ravine, drains WNW.
12.00	Ridge, bears E. and W.
40.63	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 22 and 23, at proportionate distance; there is no remaining evidence of the original cor.</p> <p>N. $0^{\circ} 17'$ W., bet. secs. 22 and 23, along the S. bdy. of Saguaro National Monument.</p> <p>Over broken land, along a fence, bears N. and S.</p>

Dependent Resurvey, Portion of the Subdivisional Lines
T. 15 S., R. 17 E., Gila and Salt River Mer., Arizona

CHAINS		
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 6 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T15S R17E ¼ S 22 S 23</p> <p style="text-align: center;">1975</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Cor. is located in a fence, bears N. and S.</p>	
63.00	Ravine, drains NW.	
72.00	Spur, slopes NW.	
81.26	<p>The cor. of secs. 14, 15, 22, and 23, monumented with a gneiss stone, 16 x 9 x 5 ins., firmly set 8 ins. in the ground, mkd. with 3 notches on S. and 2 notches on E. edges, with a scattered mound of stone W.</p> <p>At the corner point</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 8 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T15S R17E S 15 S 14 S 22 S 23</p> <p style="text-align: center;">1975</p> <p>Bury cor. stone alongside iron post and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Cor. is located in a fence, bears N. and S.</p>	
40.32	<p>N. 0° 20' W., bet. secs. 14 and 15, along the S. bdy. of Saguaro National Monument.</p> <p>Over rolling land, along a fence, bears N. and S.</p> <p>Point for the ¼ sec. cor. of secs. 14 and 15, at proportionate distance; there is no remaining evidence of the original cor.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T15S R17E ¼ S 15 S 14</p> <p style="text-align: center;">1975</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Cor. is located 5½ lks. E. of a fence, bears N. and S.</p>	

Dependent Resurvey, Portion of the Subdivisional Lines
T. 15 S., R. 17 E., Gila and Salt River Mer., Arizona

CHAINS	
57.60	Wash, drains NW.
67.00	Ridge, bears E. and W.
80.64	The cor. of secs. 10, 11, 14, and 15, monumented with an iron post, 2 ins. diam., firmly set, projecting 14 ins. above ground, in a collar of stone, with brass cap mkd.
	T15S R17E S 10 S 11 S 15 S 14
	1925
	Cor. is located 2 lks. W. of a fence, bears N. and S.
	From the cor. of secs. 3, 4, 9, and 10, monumented with an iron post, 2 ins. diam., firmly set in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	T15S R17E S 4 S 3 S 9 S 10
	1925
	Cor. is located 4½ lks. S. of a fence, bears E. and W.
	S. 89° 50' W., bet. secs. 4 and 9, along S. bdy. of Saguaro National Monument.
	Over rolling land, along a fence, bears E. and W.
16.65	Dirt road, bears NW and SE.
32.00	Wash, drains S.
39.94	Point for the ¼ sec. cor. of secs. 4 and 9, monumented with a granite stone, 18 x 8 x 5 ins., loosely set 2 ins. in the ground, mkd. ¼ on one face.
	At the corner point
	Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T15S R17E ¼ S 4 S 9
	1975
	Bury cor. stone alongside iron post and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor.
	Cor. is located 9 lks. S. of a fence, bears E. and W.

Dependent Resurvey, Portion of the Subdivisional Lines
T. 15 S., R. 17 E., Gila and Salt River Mer., Arizona

CHAINS								
	S. 89° 50' W., beginning new measurement.							
10.05	Wash, drains SE.							
29.05	Ridge, bears N. and S.							
39.94	The cor. of secs. 4, 5, 8, and 9, monumented with a granite stone, 18 x 6 x 4 ins., firmly set 8 ins. in the ground, mkd. with 5 notches on S. and 4 notches on E. edges, with a mound of stone, 2½ ft. base, 1 ft. high, W.							
	At the corner point							
	Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.							
	<table border="0"> <tr><td>T15S</td><td>R17E</td></tr> <tr><td>S 5</td><td>S 4</td></tr> <tr><td>S 8</td><td>S 9</td></tr> </table>		T15S	R17E	S 5	S 4	S 8	S 9
T15S	R17E							
S 5	S 4							
S 8	S 9							
	1975							
	Bury cor. stone alongside iron post and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.							
	Cor. is located in a fence, bears E. and W.							
	S. 89° 10' W., bet. secs. 5 and 8, along the S. bdy. of Saguaro National Monument.							
	Over rolling land, along a fence, bears E. and W.							
4.50	Deep wash, drains S.							
39.87	Point for the ¼ sec. cor. of secs. 5 and 8, at proportionate distance; there is no remaining evidence of the original cor.							
	Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.							
	<table border="0"> <tr><td>T15S</td><td>R17E</td></tr> <tr><td>¼ S 5</td><td></td></tr> <tr><td>S 8</td><td></td></tr> </table>		T15S	R17E	¼ S 5		S 8	
T15S	R17E							
¼ S 5								
S 8								
	1975							
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.							
	Cor. is located 6 lks. N. of a fence, bears E. and W.							
41.75	Spur, slopes SSW.							
63.00	Wash, drains S.							
79.74	The cor. of secs. 5, 6, 7, and 8, monumented with a granite stone, 16 x 8 x 5 ins., firmly set 8 ins. in the ground, mkd. with 5 notches on S. and E. edges, with a small mound of stone, NW.							
	At the corner point							

Dependent Resurvey, Portion of the Subdivisional Lines
T. 15 S., R. 17 E., Gila and Salt River Mer., Arizona

CHAINS	
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 14 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T15S R17E S 6 S 5 S 7 S 8</p> <p style="text-align: center;">1975</p> <p>Bury cor. stone alongside iron post and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.</p> <p>Cor. is located 12 lks. S. of fence, bears E. and W.</p>
	<p>S. 89° 10' W., bet. secs. 6 and 7, along the S. bdy. of Saguaro National Monument.</p> <p>Over rolling land, along a fence, bears irregularly E. and W.</p>
1.00	Ridge, bears N. and S.
21.20	Wash, drains S.
30.30	Spur, slopes SE.
39.71	<p>Point for the ¼ sec. cor. of secs. 6 and 7, at proportionate distance; there is no remaining evidence of the original cor.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 8 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T15S R17E ¼ S 6 S 7</p> <p style="text-align: center;">1975</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p> <p>Cor. is located 245 lks. N. of a fence, bears E. and W.</p>
78.74	<p>The cor. of secs. 1, 6, 7, and 12, on the W. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T15S R16E R17E S 1 S 6 S 12 S 7</p> <p style="text-align: center;">1930</p> <p>Cor. is located 10½ lks. S. of fence, bears E. and W.</p>

Survey of a Portion of the East Boundary
T. 15 S., R. 17 E., Gila and Salt River Mer., Arizona

CHAINS		
	<p>From the standard cor. of Tps. 15 and 16 S., R. 18 E., heretofore described.</p>	
	<p>NORTH, on the E. bdy. of sec. 36.</p>	
	<p>Over broken land, through scattered timber.</p>	
15.00	<p>Point for the $\frac{1}{4}$ sec. cor. of sec. 36 only, at 40.00 chs. in latitude from the standard SE cor. of T. 15 S., R. 17 E., heretofore described.</p>	
	<p>Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>	
	<p>T15S R17E R18E $\frac{1}{4}$ S 36 1975</p>	
	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p>	
37.60	<p>Ridge, bears NE and SW.</p>	
52.00	<p>Creek in bottom of Shaw Canyon, 8 lks. wide, course SW.</p>	
55.00	<p>Point for the cor. of secs. 25 and 36 only, at 80.00 chs. in latitude from the standard SE cor. of T. 15 S., R. 17 E., heretofore described.</p>	
	<p>Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>	
	<p>T15S T15S S 25 R18E S 36 S 31 R17E </p>	
	<p>1975</p>	
	<p>from which</p>	
	<p>An oak, 10 ins. diam., bears S. $31\frac{1}{2}^\circ$ E., 15 lks. dist., mkd. X BT.</p>	
	<p>An oak, 9 ins. diam., bears S. $32\frac{1}{2}^\circ$ W., 58 lks. dist., mkd. T15S R17E S36 BT.</p>	
	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p>	
	<p>Land, mountainous. Soil, rocky clay and sandy loam. Timber, oak, juniper, and pinon. Undergrowth, cactus and native grasses.</p>	

Survey of a Portion of the East Boundary
T. 15 S., R. 17 E., Gila and Salt River Mer., Arizona

CHAINS	
	<p>NORTH, on the E. bdy. of sec. 25.</p> <p>Over broken land, through scattered timber.</p>
21.95	Ridge, bears NE and SW; also fence bears same.
40.00	<p>Point for the ¼ sec. cor. of sec. 25 only.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., over an "X" chiseled in bedrock, supported with a mound of stone, 4 ft. base, to top, with brass cap mkd.</p>
	<p>T15S R17E R18E ¼ S 25 </p> <p>1975</p>
51.30	Creek in bottom of Posta Quemada Canyon, 10 lks. wide, course SW.
76.00	Ridge, bears NE and SW.
78.90	Fence, bears E. and W.
80.00	<p>Point for the cor. of secs. 24 and 25 only, on the S. bdy. of Saguaro National Monument.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 6 ins. in the ground, to bedrock, in a mound of stone, 4½ ft. base, to top, with brass cap mkd.</p>
	<p>T15S T15S S 24 R18E S 25 R17E S 30</p> <p>1975</p>
	<p>from which</p> <p style="padding-left: 40px;">A pinon, 5 ins. diam., bears N. 61 3/4° E., 32 lks. dist., mkd. X BT.</p> <p style="padding-left: 40px;">A pinon, 5 ins. diam., bears S. 51½° W., 44 lks. dist., mkd. X BT.</p> <p>Land, mountainous. Soil, rocky clay and sandy loam. Timber, oak, juniper and pinon. Undergrowth, cactus and native grasses.</p>
13.56	<p>NORTH, on the E. bdy. of sec. 24, along the S. bdy. of Saguaro National Monument.</p> <p>Over broken land, through scattered timber.</p> <p>Point for a witness point on the E. bdy. of sec. 24.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., over an "X" chiseled in bedrock, supported in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p>

Survey of a Portion of the East Boundary
T. 15 S., R. 17 E., Gila and Salt River Mer., Arizona

CHAINS	
	<p style="text-align: center;">T15S R17E R18E WP S 24 </p> <p style="text-align: center;">1975</p> <p>The survey of the E. bdy. is terminated at this point.</p>
	<p style="text-align: center;">Survey of a Portion of the Subdivisional Lines T. 15 S., R. 17 E., Gila and Salt River Mer., Arizona</p>
	<p>From the cor. of secs. 24 and 25 only, on the E. bdy. of the Tp., heretofore described.</p> <p>WEST, bet. secs. 24 and 25, along the S. bdy. of Saguaro National Monument.</p> <p>Over broken land, through scattered timber, along and to the N. of a fence, bears E. and W.</p>
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 24 and 25, as depicted upon the Protraction Diagram No. 69-69A, approved June 23, 1960.</p> <p>Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground, to bedrock, in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p>
	<p style="text-align: center;">T15S R17E $\frac{1}{4}$ $\frac{S\ 24}{S\ 25}$</p> <p style="text-align: center;">1975</p> <p>from which</p> <p style="padding-left: 40px;">An oak, 6 ins. diam., bears S. $43\frac{1}{2}^\circ$ E., 45 lks. dist., mkd. $\frac{1}{4}$ S25 BT.</p> <p style="padding-left: 40px;">An oak, 5 ins. diam., bears N. 26° W., 58 lks. dist., mkd. X BT.</p> <p>Cor. is located 76 lks. N. of a fence, bears E. and W. and on a spur, slopes WSW.</p>
77.24	<p>The cor. of secs. 23, 24, 25, and 26, heretofore described.</p> <p>Land, mountainous. Soil, rocky clay and sandy loam. Timber, oak, juniper and pinon. Undergrowth, cactus and native grasses.</p>

T. 15 S., R. 17 E., Gila and Salt River Mer., Arizona

CHAINS

General Description

The lands included in the notes of the foregoing survey are located about 30 miles east of Tucson, Arizona. The area is drained by Posta Quemade Canyon, Rincon Creek and a number of their tributaries. Elevations range from about 3300 to 6000 feet above sea level.

Access into the area is by way of a few gravel and dirt ranch roads. Soil in the area is composed of rocky clay and sandy loam varying from a few inches to several feet in depth.

Timber in the easterly part of the area surveyed consists of oak, juniper and pinon. The other area covered by the survey is virtually void of timber. Undergrowth consists of cactus and native grasses. No mineral deposits were noted during the course of the survey.

The mean magnetic declination is 13° East.

CHAINS	
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CERTIFICATE OF SURVEY

(I) ~~XXX~~, Leonard W. Murphy, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 17th day of January, 1975, (I) ~~XXX~~ have dependently resurveyed and surveyed a portion of the east boundary and subdivisional lines, which is a portion of the south boundary of Saguaro National Monument, Township 15 South, Range 17 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), ~~XXX~~ and under (my) ~~XXXX~~ 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.

December 4, 1978

(Date)

Supervisory (Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Washington, D.C.
Denver, Colorado

The foregoing field notes of the dependent resurvey and survey of a portion of the east boundary and subdivisional lines, which is a portion of the south boundary of Saguaro National Monument, Township 15 South, Range 17 East, of the Gila and Salt River Meridian, Arizona,

executed by Leonard W. Murphy, Supervisory Cadastral Surveyor having been critically examined and found correct, are hereby approved.

FEB 06 1980

(Date)

Chief, Cadastral Survey Examination and Approval Staff

(Chief, Division of Cadastral Survey)

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, Division of Cadastral Survey) GPO 849 - 626