

INDEX DIAGRAM

Township 12 South, Range 18 West,

5	4	3	2	2	1
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Township 12 South, Range 18 West
Gila and Salt River Meridian, Arizona

CHAINS

The following field notes are those of the survey of the north and west boundaries of Township 12 South, Range 18 West, Gila and Salt River Meridian, Arizona.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, the Special Instructions dated March 28, 1975, and the Supplemental Special Instructions dated April 4, 1975.

A solar transit was used to determine the directions of the lines and to position the north boundary of the township on a true latitudinal curve. The bearings were verified at various points throughout the survey by succeeding a.m and p.m. altitude observations on the sun. They refer to the true meridian. All distances were obtained with a Hewlett Packard 3800 electronic distance measuring instrument.

The geographic position of the corner of Townships 11 and 12 South, Range 17 and 18 West, as computed from information taken from U. S. Geological Survey "Cabeza Prieta Peak" Quadrangle Map, 1965, 15' series, is as follows:

Latitude: 32° 25.1' N.
Longitude: 114° 03.8' W.

The observed mean magnetic declination is 13¼° E.

Survey of the North Boundary
Township 12 South, Range 18 West
Gila and Salt River Meridian, Arizona

Beginning at the corner of Townships 11 and 12 South, Ranges 17 and 18 West, monumented with an iron post, 2½ ins. diam., set, mkd., and witnessed as described in the field notes of the survey of the north boundary of Township 12 South, Range 17 West., executed concurrently with this group.

WEST, between sections 1 and 36.

Over level, sandy desert, through scattered paloverde, ironwood, mesquite, saguaro, cholla and greasewood.

40.00 Point for the 1/4 section corner of sections 1 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.

T11S R18W
1/4 S 36
S 1
T12S

1975

Set a steel fence post alongside the corner.

67.30 Drain, course NE.

80.00 Point for the cor. of secs. 1, 2, 35, and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.

Survey of the North Boundary
 Township 12 South, Range 18 West
 Gila and Salt River Meridian, Arizona

CHAINS		
	<p style="text-align: center;">T11S R18W <u>S 35 S 36</u> S 2 S 1 T12S</p> <p style="text-align: center;">1975</p> <p>Set a steel fence post alongside the corner.</p> <p>Land, level. Soil, sandy. Timber, scattered paloverde and ironwood.</p>	
	<p>WEST, between secs. 2 and 35.</p> <p>Over level, sandy desert, through scattered paloverde, ironwood, mesquite, saguaro, cholla and greasewood.</p>	
1.10	Camino Del Diablo, east route (trail road), bears S. 22° E., N. 22° W.	
34.40	Drain, course N.	
40.00	Point for the 1/4 sec. cor. of secs. 2 and 35.	
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.	
	<p style="text-align: center;">T11S R18W 1/4 <u>S 35</u> S 2 T12S</p> <p style="text-align: center;">1975</p> <p>Set a steel fence post alongside the corner.</p>	
80.00	Point for the cor. of secs. 2, 3, 34, and 35.	
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.	
	<p style="text-align: center;">T11S R18W <u>S 34 S 35</u> S 3 S 2 T12S</p> <p style="text-align: center;">1975</p> <p>Set a steel fence post alongside the corner.</p> <p>Land, level. Soil, sandy. Timber, scattered paloverde and ironwood.</p>	
	<p>WEST, between secs. 3 and 34.</p> <p>Over level, sandy desert, through scattered paloverde, ironwood, mesquite, saguaro, cholla and greasewood.</p>	
40.00	Point for the 1/4 sec. cor. of secs. 3 and 34.	

Survey of the North Boundary
 Township 12 South, Range 18 West
 Gila and Salt River Meridian, Arizona

CHAINS		
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T11S R18W 1/4 $\frac{S\ 34}{S\ 3}$ T12S 1975</p> <p>Set a steel fence post alongside the corner.</p>	
64.00	Drain, course N.	
80.00	Point for the cor. of secs. 3, 4, 33, and 34.	
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T11S R18W $\frac{S\ 33\ S\ 34}{S\ 4\ S\ 3}$ T12S 1975</p> <p>Set a steel fence post alongside the corner.</p> <p>Land, level. Soil, sandy. Timber, scattered paloverde and ironwood.</p>	
	<p>WEST, between secs. 4 and 33.</p> <p>Over level, sandy desert, through scattered paloverde, ironwood, mesquite, saguaro, cholla and greasewood.</p>	
34.50	Drain, course N.	
36.00	Leave level, sandy desert, begin ascent of Tinajas Alta Mountains, a very rough, broken range bearing SE. and NW., composed of decaying granite and nearly devoid of vegetation.	
40.00	Point for the 1/4 sec. cor. of secs. 4 and 33.	
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., on broken, crumbly surface of small ridge bearing N. and S., in a mound of stone, 3 ½ ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T11S R18W 1/4 $\frac{S\ 33}{S\ 4}$ T12S 1975</p> <p>Begin descent over broken, rocky terrain, composed of decaying granite.</p>	

Survey of the North Boundary
 Township 12 South, Range 18 West
 Gila and Salt River Meridian, Arizona

<p>CHAINS</p> <p>41.90</p> <p>45.50</p> <p>48.80</p> <p>53.70</p> <p>57.60</p> <p>62.40</p> <p>80.00</p>	<p>Drain, course N., ascend.</p> <p>Highest point of ridge, bears N. and S., descend.</p> <p>Drain, course N., ascend.</p> <p>Ridge, bears N. and S., descend.</p> <p>Drain, course NW., begin ascent along N. slope.</p> <p>Begin descent along N. slope.</p> <p>Point for the cor. of secs. 4, 5, 32, and 33.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, in a mound of stone, 3½ ft. base to top, with brass cap mkd.</p> <p style="text-align: center;"> T11S R18W <u>S 32 S 33</u> S 5 S 4 T12S 1975 </p> <p>Cor. is situated 76 ft. S. of drain, course ESE.</p> <p>Land, E 1/2 mile level, W 1/2 mile mountainous. Soil, E 1/2 sandy, W 1/2 rocky. Timber, E 1/2 scattered paloverde and ironwood, W 1/2 none.</p> <hr/> <p>WEST, between secs. 5 and 32.</p> <p>Over rocky, broken, mountainous land, descending along N. slope.</p> <p>1.40 Drain, course ENE., ascend along SE. slope.</p> <p>20.70 Spur, descends SE., continue along rugged SE. and S. slope.</p> <p>35.40 Drain, course S., ascend abruptly.</p> <p>40.00 Point for the 1/4 sec. cor. of secs. 5 and 32.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in a crevice in the rocks, in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;"> T11S R18W 1/4 <u>S 32</u> S 5 T12S 1975 </p> <p>40.20 Spur, descends SE., descend along SW. slope.</p>
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Survey of the North Boundary
 Township 12 South, Range 18 West
 Gila and Salt River Meridian, Arizona

CHAINS	
55.10	Drain, course N., ascend.
64.70	Small ridge, bears N. and S., descend.
69.50	Leave rough, mountainous, decayed granite terrain; enter level, sandy desert, with scattered paloverde, ironwood, mesquite, saguaro, cholla and greasewood.
80.00	Point for the cor. of secs. 5, 6, 31, and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T11S R18W <u>S 31 S 32</u> S 6 S 5 T12S 1975</p>
	Set a steel fence post alongside the corner.
	Land, mountainous. Soil, rocky. Timber, none.
<hr/>	
	WEST, between secs. 6 and 31.
	Over level, sandy desert, through scattered paloverde, ironwood, mesquite, saguaro, cholla and greasewood.
17.20	Enter wash on curve from SE.
17.50	Leave wash on curve to SW., continue over level desert.
40.00	Point for the 1/4 sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T11S R18W 1/4 <u>S 31</u> S 6 T12S 1975</p>
	Set a steel fence post alongside the corner.
80.00	Point for the cor. of Tps. 11 and 12 South, Rs. 18 and 19 West.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T11S R19W R18W <u>S 36 S 31</u> S 1 S 6 T12S 1975</p>

Survey of the North Boundary
 Township 12 South, Range 18 West
 Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a steel fence post alongside the corner.</p> <p>Land, level. Soil, sandy. Timber, scattered paloverde and ironwood.</p>
	<p style="text-align: center;">Survey of the West Boundary Township 12 South, Range 18 West Gila and Salt River Meridian, Arizona</p>
<p>40.00</p>	<p>From the cor. of Tps. 11 and 12 S., Rs. 18 and 19 W., hereinbefore described.</p> <p>SOUTH, between secs. 1 and 6.</p> <p>Over level, sandy desert, through scattered paloverde, ironwood, mesquite, saguaro, cholla and greasewood.</p> <p>Point for the 1/4 sec. cor. of secs. 1 and 6.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T12S R19W R18W ¼ S 1 S 6</p> <p style="text-align: center;">1975</p>
<p>43.50</p>	<p>Set a steel fence post alongside the corner.</p> <p>Drain, course SW.</p>
<p>55.10</p>	<p>Drain, course SW.</p>
<p>80.00</p>	<p>Point for the cor. of secs. 1, 6, 7, and 12.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T12S R19W R18W S 1 S 6 ——— S 12 S 7</p> <p style="text-align: center;">1975</p>
	<p>Set a steel fence post alongside the corner.</p> <p>Land, level. Soil, sandy. Timber, scattered paloverde and ironwood.</p>
<p>26.60</p>	<p>SOUTH, between secs. 7 and 12.</p> <p>Over level, sandy desert, through scattered ironwood, saguaro, ocotilla, cholla and greasewood.</p> <p>Drain, course SW.</p>

Survey of the West Boundary
Township 12 South, Range 18 West
Gila and Salt River Meridian, Arizona

CHAINS	
40.00	<p>Point for the 1/4 sec. cor. of secs. 7 and 12.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T12S R19W R18W ¼ S 12 S 7</p> <p style="text-align: center;">1975</p> <p>Set a steel fence post alongside the corner.</p>
76.50	Drain, course W.
80.00	<p>Point for the cor. of secs. 7, 12, 13, and 18.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T12S R19W R18W S 12 S 7 ----- S 13 S 18</p> <p style="text-align: center;">1975</p> <p>Set a steel fence post alongside the corner.</p> <p>Land, level. Soil, sandy. Timber, scattered paloverde and ironwood.</p> <hr/> <p>SOUTH, between secs. 13 and 18.</p> <p>Over level, sandy desert, through scattered ironwood, saguaro, ocotilla, cholla and greasewood.</p>
38.20	Trail road, bears NE. and SW.
40.00	<p>Point for the 1/4 sec. cor. of secs. 13 and 18.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T12S R19W R18W ¼ S 13 S 18</p> <p style="text-align: center;">1975</p> <p>Set a steel fence post alongside the corner.</p>
75.20	Camino Del Diablo, west route (trail road), bears SE. and NW.
80.00	Point for the cor. of secs. 13, 18, 19, and 24.

Survey of the West Boundary
 Township 12 South, Range 18 West
 Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T12S R19W R18W <u>S 13 S 18</u> S 24 S 19</p> <p style="text-align: center;">1975</p> <p>Set a steel fence post alongside the corner.</p> <p>Land, level. Soil, sandy. Timber, scattered paloverde and ironwood.</p>
	<p>SOUTH, between secs. 19 and 24.</p> <p>Over level, sandy desert, through scattered ocotilla, cholla and greasewood.</p>
6.20	<p>Drain, course SW.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 19 and 24.</p>
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T12S R19W R18W ^¼ <u>S 24 S 19</u></p> <p style="text-align: center;">1975</p>
	<p>Set a steel fence post alongside the corner.</p>
57.80	<p>Drain, course SW.</p>
80.00	<p>Point for the cor. of secs. 19, 24, 25, and 30.</p>
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T12S R19W R18W <u>S 24 S 19</u> S 25 S 30</p> <p style="text-align: center;">1975</p>
	<p>Set a steel fence post alongside the corner.</p> <p>Land, level. Soil, sandy. Timber, none.</p>

Survey of the West Boundary
Township 12 South, Range 18 West
Gila and Salt River Meridian, Arizona

CHAINS	
	<p>SOUTH, between secs. 25 and 30.</p> <p>Over level, sandy desert, through scattered ocotilla, cholla and greasewood.</p> <p>32.50 Trail road, bears NE. and SW.</p> <p>40.00 Point for the 1/4 sec. cor. of secs. 25 and 30.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T12S R19W R18W ½ S 25 S 30</p> <p style="text-align: center;">1975</p> <p>Set a steel fence post alongside the corner.</p> <p>68.20 Drain, course SW.</p> <p>80.00 Point for the cor. of secs. 25, 30, 31, and 36.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T12S R19W R18W S 25 S 30 S 36 S 31</p> <p style="text-align: center;">1975</p> <p>Set a steel fence post alongside the corner.</p> <p>Land, level. Soil, sandy. Timber, none.</p>
	<p>SOUTH, between secs. 31 and 36.</p> <p>Over level, sandy desert, through scattered ocotilla, cholla and greasewood.</p> <p>24.50 Drain, course SW.</p> <p>40.00 Point for the 1/4 sec. cor. of secs. 31 and 36.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T12S R19W R18W ½ S 36 S 31</p> <p style="text-align: center;">1975</p>

Survey of the West Boundary
 Township 12 South, Range 18 West
 Gila and Salt River Meridian, Arizona

CHAINS 45.20 80.00	<p>Set a steel fence post alongside the corner.</p> <p>Drain, course SW.</p> <p>Point for the cor. of Townships 12 and 13 South, Ranges 18 and 19 West.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 20px 0;"> T12S R19W R18W <u>S 36 S 31</u> S 1 S 6 T13S 1975 </div> <p>Set a steel fence post alongside the corner.</p> <p>Land, level. Soil, sandy. Timber, none.</p> <hr style="width: 50%; margin: 20px auto;"/> <div style="text-align: center; margin: 10px auto;"> General Description </div> <p>The lines surveyed are situated about 24 to 30 miles south of Welton, Arizona. The terrain is nearly level, sandy desert, elevation varying from 800 to 1000 ft. above sea level. On the north boundary, the line crosses the Tinajas Altas Mountains, a range of rugged, broken, decayed granite bearing SE. and NW., reaching to 1500 ft. above sea level. The drainage is generally SW. on the W. boundary line and N. on the N. boundary line. The vegetation consists of typical desert varieties, with ironwood, paloverde, and mesquite predominate along the numerous drains and with ocotilla, cholla, greasewood, very scattered saguaro and native grasses between. There are many primitive trail roads in the southern area of the west boundary line, made by wood gatherers from Mexico. The average observed mean magnetic declination is 13¼° E.</p>
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CERTIFICATE OF SURVEY

(I) ~~(WE)~~ Gilbert V. Olson, HEREBY
 CERTIFY upon honor that, in pursuance of special instructions bearing date of the 28th day
 Supplemental Special Instructions 4th
 of March, 19 75, ~~(XXXXXX)~~
 April 75 I have surveyed the north and west boundaries
 of Township 12 South, Range 18 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)
~~(US)~~ direction; and that said survey has been made in strict conformity with said special instruc-
 tions, 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.

June 9, 1976
 (Date)

Gilbert V. Olson
 (Cadastral Surveyor)
 Gilbert V. Olson

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
 Washington, D.C.

The foregoing field notes of the survey of the north and west boundaries of
 Township 12 South, Range 18 West, Gila and Salt River Meridian,
 Arizona.

executed by Gilbert V. Olson
 Supervisory Cadastral Surveyor
 having been critically examined and found correct, are hereby approved.

JUN 29 1977
 (Date)

Bernard W. Fisher
 (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 - 628