

1A

BOOK 5033

INDEX DIAGRAM

Township 12 South, Range 17 West,

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1B

Township 12 South, Range 17 West
Gila and Salt River Meridian, Arizona

CHAINS

The following field notes are those of the survey of the north boundary of Township 12 South, Range 17 West, Gila and Salt River Meridian, Arizona.

The east boundary of this township was surveyed by Benjamin J. Kinsey, Cadastral Engineer, in 1941.

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, Ranges 16 and 17 West, as scaled from the U. S. Geological Survey "Cabeza Prieta Peak" Quadrangle Map, 1965, 15' series, is as follows:

Latitude: 32° 25.1' N.
Longitude: 113° 57.6' W.

The mean magnetic declination is 13¼° E.

Survey of the North Boundary
Township 12 South, Range 17 West
Gila and Salt River Meridian, Arizona

Beginning at the cor. of Townships 11 and 12 South, Ranges 16 and 17 West, monumented with an iron post, 3 ins. diam., firmly set projecting 14 ins. above the ground, substantiated by a mound of stone, 3 ft. base, 1 ft. high, S. of the corner, with brass cap mkd.

T11S
R17W R16W
S 36 | S 31
S 1 | S 6

T12S

1941

WEST, between sections 1 and 36.

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

25.10 Trail road, bears SE. and NW.

40.00 Point for the 1/4 sec. cor. of secs. 1 and 36.

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

T11S R17W
1/4 S 36
S 1
T12S

1975

Survey of the North Boundary
 Township 12 South, Range 17 West
 Gila and Salt River Meridian, Arizona

CHAINS	
	Set a steel fence post alongside the corner.
50.00	Trail road, bears SSE. and NNW.
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.
	<p style="text-align: center;">T11S R17W S 35 S 36 S 2 S 1 T12S</p>
	1975
	Set a steel fence post alongside the corner.
	Land, level. Soil, sandy. Timber, scattered paloverde and ironwood.
	WEST, between secs. 2 and 35.
	Over level, sandy desert, through scattered paloverde, ironwood, mesquite, saguaro, cholla and greasewood.
9.30	Drain, course NW.
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 R17W 1/4 $\frac{S\ 35}{S\ 2}$ T12S</p>
	1975
	Set a steel fence post alongside the corner.
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 R17W S 34 S 35 S 3 S 2 T12S</p>
	1975
	Set a steel fence post alongside the corner.
	Land, level. Soil, sandy. Timber, scattered ironwood and paloverde.

Survey of the North Boundary
Township 12 South, Range 17 West
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CHAINS	
	<p>WEST, between secs. 3 and 34.</p> <p>Over level, sandy desert, through scattered ironwood, mesquite, saguaro, cholla, and greasewood.</p>
10.20	Drain, course NW.
40.00	<p>Point for the 1/4 sec. cor. of secs. 3 and 34.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p>T11S R17W</p> <p>1/4 $\frac{S\ 34}{S\ 3}$</p> <p>T12S</p> <p>1975</p>
	Set a steel fence post alongside the corner.
49.70	Drain, course N.
54.10	Drain, course N.
80.00	<p>Point for the cor. of secs. 3, 4, 33, and 34.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p>T11S R17W</p> <p>$\frac{S\ 33\ S\ 34}{S\ 4\ S\ 3}$</p> <p>T12S</p> <p>1975</p>
	Set a steel fence post alongside the corner.
	<p>Land, level.</p> <p>Soil, sandy.</p> <p>Timber, scattered ironwood and paloverde.</p>
	<p>WEST, between secs. 4 and 33.</p> <p>Over level, sandy desert, through scattered paloverde, ironwood, mesquite, saguaro, cholla and greasewood.</p>
20.40	Coyote Wash, (dry), course N., main drainage of the Lechuguilla Desert.
40.00	<p>Point for the 1/4 sec. cor. of secs. 4 and 33.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>

Survey of the North Boundary
 Township 12 South, Range 17 West
 Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T11S R17W $\frac{1}{4} \frac{S 33}{S 4}$ T12S</p>
	<p style="text-align: center;">1975</p>
	<p>Set a steel fence post alongside the corner.</p>
61.20	<p>Drain, course N.</p>
80.00	<p>Point for the cor. of secs. 4, 5, 32, and 33.</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;">T11S R17W $\frac{S 32 S 33}{S 5 S 4}$ T12S</p>
	<p style="text-align: center;">1975</p>
	<p>Set a steel fence post alongside the corner.</p>
	<p>Land, level.</p>
	<p>Soil, sandy.</p>
	<p>Timber, scattered paloverde and ironwood.</p>
	<p>WEST, between secs. 5 and 32.</p>
	<p>Over level, sandy desert, through scattered paloverde, ironwood, mesquite, saguaro, cholla, and greasewood.</p>
1.20	<p>Drain, course N.</p>
40.00	<p>Point for the ¼ sec. cor. of secs. 5 and 32.</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;">T11S R17W $\frac{1}{4} \frac{S 32}{S 5}$ T12S</p>
	<p style="text-align: center;">1975</p>
	<p>Set a steel fence post alongside the corner.</p>
40.80	<p>Drain, course NE.</p>
76.50	<p>Drain, course N.</p>
80.00	<p>Point for the cor. of secs. 5, 6, 31, and 32.</p>
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>

Survey of the North Boundary
Township 12 South, Range 17 West
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CHAINS	
	<p style="text-align: center;">T11S R17W S 31 S 32 ----- S 6 S 5 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>
40.00	<p>WEST, between secs. 6 and 31.</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. 6 and 31.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
65.00	<p style="text-align: center;">T11S R17W 1/4 S 31 ----- S 6 T12S</p> <p style="text-align: center;">1975</p> <p>Set a steel fence post alongside the corner.</p> <p>Drain, course NE.</p>
80.00	<p>Point for the cor. of Tps. 11 and 12 S., Rs. 17 and 18 W.</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;">T11S R18W R17W S 36 S 31 ----- S 1 S 6 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 style="text-align: center;">General Description</p> <p>The line surveyed is situated about 24 miles south of Welton, Arizona. The terrain is nearly level, sandy desert, with elevation varying from about 840 to 910 ft.</p>

General Description
Township 12 South, Range 17 West
Gila and Salt River Meridian, Arizona

CHAINS

above sea level. The drainage is generally north. The typical desert vegetation consists of scattered palo-verde, ironwood, mesquite, saguaro, cholla, greasewood, prickly pear, and sparse grasses. A rough trail road from Welton to Tule Well crosses between secs. 1 and 36. The average observed magnetic declination is $13\frac{1}{4}^{\circ}$ E.

CERTIFICATE OF SURVEY

(I) ~~(We)~~, Gilbert V. Olson, HEREBY

CERTIFY upon honor that, in pursuance of special instructions bearing date of the 28th day of Supplemental Special Instructions 4th of March, 1975, ~~(XXXXXX)~~ April, 1975, (I) have surveyed the north boundary of Township 12 South, Range 17 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) ~~(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.

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 boundary of Township 12 South, Range 17 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. Feltz
(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)