

1A

BOOK 5086

INDEX DIAGRAM

Township 5 NORTH, Range 31 EAST

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1.B

Township 5 North, Range 31 East,
Gila and Salt River Meridian, Arizona

CHAINS

The boundaries of section 17 were surveyed in 1883 by W. R. Fitzgerald. The north and west boundaries of section 17 were retraced and the south and east boundaries were resurveyed in 1916 by R. P. A. Johnson, Forest Service Surveyor, who at the same time surveyed Homestead Entry Surveys 499 and 500. In 1965, Leonard W. Murphy, Cadastral Surveyor, resurveyed the boundaries of section 17 and portions of Homestead Entry Surveys 499 and 500, and surveyed the subdivision of section 17. The plat of the 1965 resurvey was suspended May 12, 1978.

The following field notes are those of the corrective resurvey of a portion of the subdivisional lines and a portion of the subdivision of section 17, Township 5 North, Range 31 East, of the Gila and Salt River Meridian, Arizona.

The resurvey was executed in accordance with specifications set forth in the Manual of Surveying Instructions, 1973, and the Supplemental Special Instructions for Group No. 426, Arizona, dated August 16, 1978.

The directions of lines were determined by direct solar observations and refer to the true meridian.

Preliminary to the corrective resurvey, the lines of the 1965 resurvey were retraced and search was made for all corners and other calls of the record. Identified corners were remonumented in their original positions; the center W-E-NW 1/256 section corner of section 17, which was erroneously located in 1965, and other lost corners which were needed in the resurvey 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 geographic position of the center 1/4 section corner of section 17, as scaled from the U. S. Geological Quadrangle Map, ALPINE, ARIZ.- N.MEX., published in 1958, is as follows:

Latitude 33°49.6' N. Longitude 109°05.9' W.

The magnetic declination is 13°30' E.

Corrective Resurvey of a Portion of the
Subdivisional Lines, T. 5 N., R. 31 E.,
Gila and Salt River Meridian, Arizona

(Restoring the 1965 resurvey executed by Leonard
W. Murphy)

Beginning at the 1/4 sec. cor. of secs. 17 and 18,
monumented with an iron post, 2 1/2 ins. diam.,
projecting 10 ins. above ground, with brass cap mkd. as
described in the official record of the 1965 resurvey,
from which

A ponderosa pine, 24 ins. diam., bears N. 25° E.,
112 lks. dist., mkd. 1/4 S17 BT.

A charred pine stump, 48 ins. diam., bears
S. 89° W., 137 lks. dist.

Corrective Resurvey of a Portion of the Subdivisional
Lines, T. 5 N., R. 31 E., Gila & Salt River Mer., Arizona

CHAINS	
	<p>A ponderosa pine, 30 ins. diam., bears N. 69 1/2° W., 254 lks. dist., mkd. 1/4 S18 BT.</p>
	<p>Cor. is 1 lk. W of a fence cor.; fences extend easterly, southerly and westerly.</p>
	<p>N. 7°33' E., bet. secs. 17 and 18.</p>
	<p>Over level open land.</p>
2.06	<p>Center of U. S. Highway 180, bears E and W.</p>
2.43	<p>Point for Cor. No. 10 of HES 500, Tract B, at proportionate dist. There is no remaining evidence of the cor., not monumented.</p>
3.60	<p>Fence cor.; Fences extend N. 7°33' E., E and W.</p>
21.75	<p>Cor. No. 11 of HES 500, Tract B, identical with the N 1/16 sec. cor. of secs. 17 and 18, monumented with an iron post, 2 1/2 ins. diam., projecting 5 ins. above ground, with brass cap mkd. as described in the official record of the 1965 resurvey.</p>
	<p>Cor. is at a fence cor.; fences extend easterly and S. 7°33' W.</p>
	<p>From the 1/4 sec. cor. of secs. 8 and 17, monumented with an iron post, 2 1/2 ins. diam., projecting 2 ins. above a mound of stone, 3 ft. base, 14 ins. high, with brass cap mkd. as described in the official record of the 1965 resurvey, from which</p>
	<p>A pine stump, 24 ins. diam., bears N. 70° E., 65 lks. dist., mkd. 1/4 S8 BT.</p>
	<p>A pine stump, 24 ins. diam., bears S. 80° E., 20 lks. dist., mkd. T5N R31E 1/4 S17 BT.</p>
	<p>Add the date 1978 to the brass cap, from which new bearing trees</p>
	<p>A ponderosa pine, 8 ins. diam., bears N. 1° E., 73 lks. dist., mkd. 1/4 S8 BT.</p>
	<p>A ponderosa pine, 5 ins. diam., bears S. 42 1/2° W., 54 lks. dist., mkd. 1/4 S17 BT.</p>
	<p>N. 85°02' W., bet. secs. 8 and 17.</p>
	<p>Over rolling land, through scattering timber.</p>
3.30	<p>Wash, 15 lks. wide, 6 ft. deep, drains S.</p>
13.02	<p>The W-E-W 1/256 sec. cor. of secs. 8 and 17, monumented with a bathey, 24 ins. long, set 26 ins. in the ground; the aluminum cap that was attached in 1965 had been removed.</p>
	<p>At the cor. point</p>
	<p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>

Corrective Resurvey of a Portion of the Subdivisional
Lines, T. 5 N., R. 31 E., Gila & Salt River Mer., Arizona

CHAINS

S 8
W-E-W 1/256
S17
1978

from which

A re-bar, 3/4 in. diam., projecting 3 ins. above ground, bears N. 62 1/2° E., 11 lks. dist.; re-bar is 1 lk. E of a fence cor., from which fences extend S and W.

A ponderosa pine, 12 ins. diam., bears S. 58° E., 96 lks. dist., mkd. W E W 1/256 S17 BT.

The NE cor. of a pump house, 6' x 8', bears S. 65° W., 10 lks. dist., the longer sides bear N and S.

A ponderosa pine, 11 ins. diam., bears N. 36° W., 137 lks. dist., mkd. W E W 1/256 S8 BT.

Reset the bathey alongside the iron post.

N. 85°02' W., beginning new measurement.

Along an E-W fence.

4.34 Point for the W 1/16 sec. cor. of secs. 8 and 17, at proportionate dist.

Set an iron post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T5N R31E
W 1/16 $\frac{S 8}{S17}$
1978

from which

A ponderosa pine, 13 ins. diam., bears N. 55° E., 54.5 lks. dist., mkd. W 1/16 S8 BT.

A re-bar, 1/2 in. diam., projecting 3 ins. above ground, bears N. 84° W., 22 lks. dist.

A fence cor., bears N. 70° W., 22.5 lks. dist; fences extend E, S and W.

A ponderosa pine, 8 ins. diam., bears N. 67° W., 91.5 lks. dist., mkd. X BT.

21.70 The cor. of secs. 7, 8, 17 and 18, monumented with an iron post, 2 1/2 ins. diam., set in a mound of stone, 3 ft. base, 18 ins. high, to top, with brass cap mkd. as described in the official record of the 1965 resurvey, from which

A ponderosa pine, 20 ins. diam., bears N. 79° E., 48 lks. dist., mkd. S8 BT.

A ponderosa pine, 23 ins. diam., bears S. 5°09' E., 225 lks. dist., BT visible through a partially healed blaze.

Corrective Resurvey of a Portion of the Subdivisional
Lines, T. 5 N., R. 31 E., Gila & Salt River Mer., Arizona

CHAINS	<p>A ponderosa pine, 21 ins. diam., bears N. 82° W., 23 lks. dist., mkd. S7 BT.</p> <p>A ponderosa pine, 15 ins. diam., bears North, 140 lks. dist., mkd. with a healed blaze. (Record bearing, N. 2°45' W.)</p> <p>Cor. is located in an E-W fence.</p>
<p>1.20</p> <p>2.70</p> <p>16.40</p> <p>19.73</p> <p>30.10</p> <p>39.46</p>	<p style="text-align: center;">Corrective Resurvey of a Portion of the Subdivision of Section 17, T. 5 N., R. 31 E., Gila and Salt River Meridian, Arizona</p> <p style="text-align: center;">(Restoring the 1965 survey by Leonard W. Murphy)</p> <hr/> <p>From the center 1/4 sec. cor. of sec. 17, monumented with an iron post, 2 1/2 ins. diam., projecting 4 ins. above ground, with brass cap mkd. as described in the official record of the 1965 survey.</p> <p>Cor. is in a E-W fence.</p> <p>N. 1°11' W., on the N and S center line of sec. 17.</p> <p>Over nearly level open land.</p> <p>Center of U. S. Highway 180, bears E and W.</p> <p>Fence, bears E and W.</p> <p>S shore of Luna Lake, edge bears irregularly E and W.</p> <p>True point for the center N 1/16 sec. cor. of sec. 17, falls in Luna Lake where it is impractical to set a monument.</p> <p>N shore of Luna Lake, edge bears irregularly E and W.</p> <p>The 1/4 sec. cor. of secs. 8 and 17.</p>
<p>1.70</p> <p>20.69</p>	<p style="text-align: center;">NW 1/4, Sec. 17</p> <hr/> <p>From the center W 1/16 sec. cor. of sec. 17, monumented with an iron post, 2 1/2 ins. diam., projecting 5 ins. above ground, with brass cap mkd. as described in the official record of the 1965 survey.</p> <p>Cor. is in an E-W fence.</p> <p>N. 3°26' E., on the N and S center line of the NW 1/4 of sec. 17.</p> <p>Over nearly level open land.</p> <p>Center of U. S. Highway 180, bears E and W.</p> <p>The NW 1/16 sec. cor. of sec. 17, monumented with a bathey, projecting 12 ins. above ground, with an aluminum cap mkd.</p>

Corrective Resurvey of a Portion
of the Subdivision of Section 17,
T. 5 N., R. 31 E., Gila & Salt River Mer., Arizona

CHAINS	
	NW 1/16 S17 1965 BLM
	There is no previous record of this monument. Cor. is in an E-W fence.

	N. 3°26' E., beginning new measurement.
.15	Dirt road, bears E and W.
5.90	San Francisco River, 15 lks. wide 6 ins. deep, flows E.
20.69	The W 1/16 sec. cor. of secs. 8 and 17.

	From the N 1/16 sec. cor. of secs. 17 and 18.
	S. 88°15' E., on the E and W center line of the NW 1/4 of sec. 17.
	Over nearly level open land, along an E-W fence.
18.93	The NW 1/16 sec. cor. of sec. 17.

	S. 88°15' E., beginning new measurement.
4.07	Cor. 12 of HES 500, Tract B, monumented with an iron post, 2 1/2 ins. diam., projecting 6 ins. above ground, with brass cap mkd. as described in the official record of the 1965 survey.
	Cor. is in an E-W fence.

	S. 88°15' E., beginning new measurement.
.66	Point for the center W-E-NW 1/256 sec. cor. of sec. 17.
	Set an iron post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, with brass cap mkd.
	S17 C-W-E-NW 1/256 1978
	from which
	A C-W-E-NW 1/256 sec. cor., erroneously set in 1965, bears S. 88°15' E., 51 lks. dist., monumented by a bathey, projecting 6 ins. above ground, mkd. as recorded in the 1965 survey. I remove this monument.
	A fence cor., bears S. 88° W., 11 lks. dist.; fences extend N, S and W.
	Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, N of the cor.

Corrective Resurvey of a Portion
of the Subdivision of Section 17,
T. 5 N., R. 31 E., Gila & Salt River Mer., Arizona

<p>CHAINS</p>	<p>3.50 W shore of Luna Lake, edge bears irregularly S. 15° E. and N. 15° W.</p> <p>14.86 True point for the center N 1/16 sec. cor. of sec. 17.</p> <hr style="width: 20%; margin: 0 auto;"/> <p>From the center W-E-NW 1/256 sec. cor. of sec. 17.</p> <p>N. 2°20' E., on the N and S center line of the W 1/2 of the NE 1/4 of the NW 1/4.</p> <p>Over nearly level land.</p> <p>20.44 The W-E-W 1/256 sec. cor. of secs. 8 and 17.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The land encompassed in this survey is located about 2.5 miles E-SE of Alpine, Arizona. Elevation is about 7,900 ft. above sea level. The entire NW 1/4 of sec. 17 is nearly level and covered with grass except for the very north portion which is rolling terrain with scattering to medium pine timber. The San Francisco River drains easterly into Luna Lake, which projects easterly from the NW 1/4 of section 17. U. S. Highway 180 is just north of the east and west center line of section 17.</p> <p>Several dwellings are located on the patented land in the area surveyed. There is no evidence of minerals or mining activity.</p>
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CERTIFICATE OF SURVEY

(I) ~~(We)~~, Harry K. Smith, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of ^{supplemental} ~~of~~ special instructions bearing date of the 16th day of August, 19 78, (I) ~~(We)~~ have performed a corrective resurvey of a portion of the subdivisional lines and a portion of the subdivision of section 17 of Township 5 North, Range 31 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), ~~(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.

2-28-79
(Date)

Harry K. Smith
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Washington, D.C.

The foregoing field notes of the corrective resurvey of a portion of the subdivisional lines and a portion of the subdivision of section 17 of T. 5 N., R. 31 E., of the Gila and Salt River Meridian, Arizona

executed by Harry K. Smith, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

MAR 26 1979
(Date)

B. W. [Signature]
(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