

ORIGINAL

BOOK<sup>1</sup> 5289

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE

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DEPENDENT RESURVEY OF A PORTION OF HES 481

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AND THE METES-AND-BOUNDS SURVEY

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OF

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TRACT 37

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IN

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UNSURVEYED

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TOWNSHIP 4 1/2 NORTH, RANGE 29 EAST

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Of the Gila and Salt River Meridian,  
In the State of Arizona

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EXECUTED BY

William P. Carpender, Cadastral Surveyor

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Under special instructions dated October 5, 1989, approved October 6, 1989

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\_\_\_\_\_, which provided for the surveys included under Group Number  
714 and assignment instructions dated October 5, 1989.

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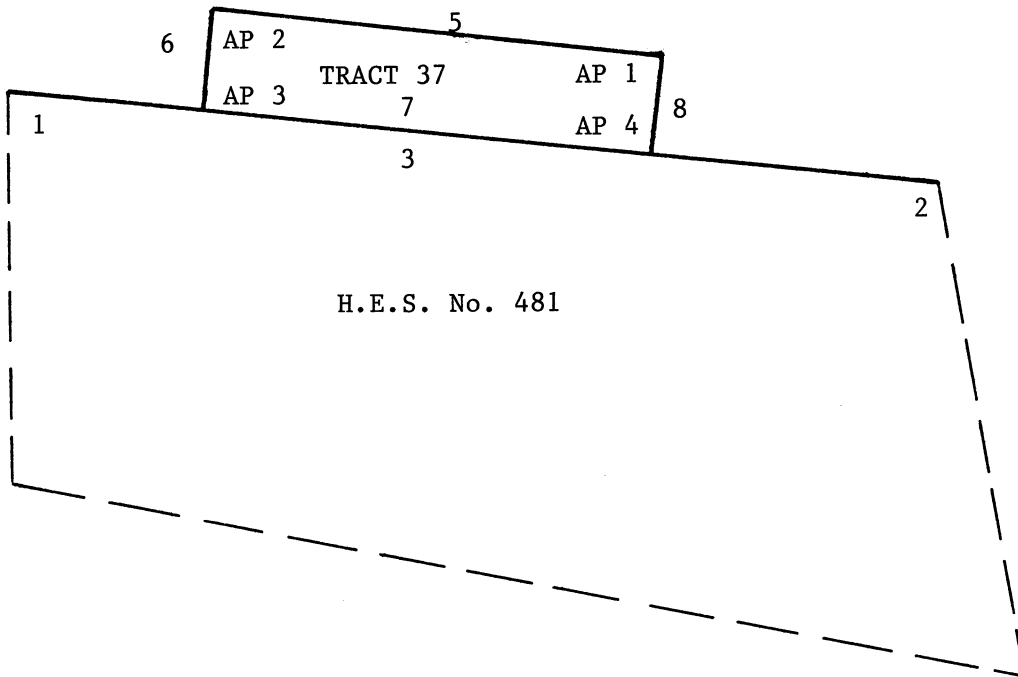
Survey commenced October 10, 1989

Survey completed October 13, 1989

BOOK 5289

INDEX DIAGRAM

UNSURVEYED TOWNSHIP 4 1/2 NORTH, RANGE 29 EAST,



Unsurveyed T 4 1/2 N, R 29 E, Gila and Salt River Mer., Arizona

CHAINS

The following field notes are those of the dependent resurvey of a portion of Homestead Entry Survey No. 481 and the metes-and-bounds survey of Tract 37 (Small Tracts Act AZ-35, Apache-Sitgreaves National Forest), in unsurveyed Township 4 1/2 North, Range 29 East, Gila and Salt River Meridian, Arizona .

HES 481 was surveyed by R.P.A. Johnson in 1916.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, the Special Instructions dated October 5, 1989, and the Assignment Instructions dated October 5, 1989, for Group No. 714, Arizona.

Preliminary to the survey, line 1-2 of Homestead Entry Survey No. 481 was retraced and search was made for all corners and other calls of the record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Tract 37, in unsurveyed Township 4 1/2 North, Range 29 East, is also known as Small Tracts Act AZ 35. The location of Tract 37 was determined from a map, of an administrative survey of Small Tracts Act AZ 35, furnished by Jim Muth, Apache-Sitgreaves National Forest representative. This approved official survey, of Tract 37, executed by the Bureau of Land Management, is to provide a legal description for entry into the official Federal records.

The directions of all lines were determined by hour angle observations on the sun, and refer to the true meridian. Distances and angles were measured with a Topcon GTS-3B total station instrument.

The mean magnetic declination, as taken from "HANNAGAN MEADOW NE, ARIZ." quadrangle map, published in 1981 by the U.S. Geological Survey and modified for U.S.D.A. Forest Service use, is 12° E.

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Dependent Resurvey of a Portion of HES 481 in  
Unsurveyed T 4 1/2 N, R 29 E, Gila and Salt River Mer., Arizona

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Restoring the survey executed by R.P.A. Johnson

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Beginning at cor. 1, HES 481, monumented with a threaded, galvanized iron water pipe, 2 1/2 ins. diam., firmly set, projecting 12 ins. above the ground, and in a mound of stone, 3 ft. base, to top, with a steel fence post alongside the cor.,

Dependent Resurvey of a portion of HES 481 in  
Unsurveyed T 4 1/2 N, R 29 E, Gila and Salt River Mer., Arizona

| CHAINS |  |
|--------|--|
|        | <p>with an iron plumber's cap attached, mkd. USDA FS T4 1/2N R29E 1 HES 481 LS4476 1966, perpetuated by Charles C. Doak LS 4476, as per information on file in the office of the Forest Land Surveyor, Apache-Sitgreaves National Forest, Springerville, Arizona.</p> <p>from which the original bearing trees</p> <p style="padding-left: 40px;">A ponderosa pine, 21 ins. diam. bears N 34 3/4° E, 38 lks. dist., mkd. 1 HES 481 X BT. (1916 record: N 34°54' E)</p> <p style="padding-left: 40px;">A ponderosa pine, 29 ins. diam. bears S 3 3/4° E, 50 lks. dist., mkd. HES 481 X BT. (1916 record: S 2°50' E, 57 lks. dist.)</p> <p>S 84°22.3' E, on line 1-2 HES 481.</p> <p>Ascend.</p>   |
| 1.00   | Spur, slopes S; descend.   |
| 7.832  | AP 3, Tract 37, hereinafter described.   |
| 10.70  | Creek, 5 lks. wide, course S, ascend over broken terrain, through a group of buildings.  |
| 25.885 | AP 4, Tract 37, hereinafter described.   |
| 28.00  | W edge of spur, slopes SW.   |
| 31.50  | E edge of same spur; descend   |
| 37.566 | <p>Cor. 2, HES 481, monumented with a threaded, galvanized iron water pipe, 2 1/2 ins. diam., firmly set, projecting 16 ins. above the ground, and in a mound of stone, 2 1/2 ft. base, to top, with an iron plumber's cap attached, mkd. USDA FS T4 1/2N R29E 2 HES 481 1 HES 482 LS4476 1966, perpetuated by Charles C. Doak LS 4476, as per information on file in the office of the Forest Land Surveyor, Apache-Sitgreaves National Forest, Springerville, Arizona.</p> <p>from which the original bearing trees</p> <p style="padding-left: 40px;">A ponderosa pine, 23 ins. diam. bears N 17 1/2° W, 1.52 chs. dist., with illegible scribe marks visible in a partly healed blaze. (1916 record: N 17°49' W, 156 lks. dist.)</p> |

Dependent Resurvey of a portion of HES 481 in  
Unsurveyed T 4 1/2 N, R 29 E, Gila and Salt River Mer., Arizona

## CHAINS

A ponderosa pine, 23 ins. diam. bears S 69 3/4° W,  
1.50 chs. dist., with a healed blaze.  
(1916 record: S 70°10' W, 151 lks. dist.)

A ponderosa pine, 25 ins. diam. bears N 69 1/4° E,  
2.13 chs. dist., mkd. HES 482 X BT.  
(1916 record: N 69°02' E)

A ponderosa pine, 19 ins. diam. bears N 37 1/2° E,  
1.80 chs. dist., mkd. HES 482 X 1 BT.  
(1916 record: N 37°15' E, 181 lks. dist.)

Metes-and-Bounds Survey of Tract 37, of Unsurveyed  
T 4 1/2 N, R 29 E, Gila and Salt River Mer., Arizona

From the point for AP 1, Tract 37, as indicated by Jim Muth, U.S. Forest Service representative, marked by an aluminum rod, 3/4 in. diam., 36 ins. long, loosely set, 30 ins. in the ground, with a steel fence post alongside, with a U.S. Forest Service aluminum cap, mkd. PLS 16295 AP 3 AZ 35 1987.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 19 ins. in the ground, and in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd.

T4 1/2N R29E

AP 1  
TR 37  
1989

Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.

Bury the aluminum rod alongside the stainless steel post.

From this point a fir, 10 ins. diam. bears N 64 1/4° E, 19 lks. dist., mkd. XBT and a fir, 12 ins. diam. bears S 58 1/4° E, 60 lks. dist., mkd. XBT.

Metes-and-Bounds Survey of Tract 37, Unsurveyed  
T 4 1/2 N, R 29 E, Gila and Salt River Mer., Arizona

| CHAINS |   |      |       |
|--------|---|------|-------|
|        | N 84°22.1' W, on line 1-2, Tract 37.  |      |       |
|        | Ascend through moderate pine and fir.   |      |       |
| 7.60   | Rocky spur, slopes S, continue ascent.  |      |       |
| 9.70   | Rocky spur, slopes S, descend.  |      |       |
| 16.75  | Creek, 5 lks. wide, course S 10° E, ascend.   |      |       |
| 18.053 | Point for AP 2, Tract 37, as indicated by Jim Muth, U.S. Forest Service representative, marked by an aluminum rod, 3/4 in. diam., 36 ins. long, firmly set, 30 ins. in the ground, with a steel fence post alongside, with a U.S. Forest Service aluminum cap, mkd. PLS 16295 AP 2 AZ 35 1987.          |      |       |
|        | Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.  |      |       |
|        | T4 1/2N R29E  |      |       |
|        | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">AP 2</td> </tr> <tr> <td style="padding: 2px;">TR 37</td> </tr> </table> 1989  | AP 2 | TR 37 |
| AP 2   |   |      |       |
| TR 37  |   |      |       |
|        | Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.  |      |       |
|        | Bury the aluminum rod alongside the stainless steel post.   |      |       |
|        | From this point a fir, 10 ins. diam. bears N 68 1/4° E, 25 lks. dist., mkd. XBT and a fir, 10 ins. diam. bears N 65° W, 38 lks. dist., mkd. XBT.  |      |       |
|        | _____   |      |       |
|        | S 5°38.9' W, on line 2-3, Tract 37.   |      |       |
|        | Descend.  |      |       |
| 4.115  | Point for AP 3, Tract 37, as indicated by Jim Muth, U.S. Forest Service representative, marked by an aluminum rod, 3/4 in. diam., 36 ins. long, firmly set, 29 ins. in the ground, with a steel fence post alongside the cor., with a U.S. Forest Service aluminum cap, mkd. PLS 16295 AP 1 AZ 35 1987. |      |       |

Metes-and-Bounds Survey of Tract 37, Unsurveyed  
 T 4 1/2 N, R 29 E, Gila and Salt River Mer., Arizona

| CHAINS |   |       |      |
|--------|---|-------|------|
|        | <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T4 1/2N R29E</p> <table border="1" style="margin: auto;"> <tr> <td style="padding: 2px;">TR 37</td> </tr> <tr> <td style="padding: 2px;">AP 3</td> </tr> </table> <p>1989</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>Bury the aluminum rod alongside the stainless steel post.</p> <p>From this point a ponderosa pine, 16 ins. diam. bears N 4 3/4° E, 51 lks. dist., mkd. XBT and a ponderosa pine, 12 ins. diam. bears S 59 3/4° W, 42 lks. dist., mkd. XBT.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S 84°22.3' E, on line 3-4, Tract 37, identical with a portion of line 1-2, HES 481.</p> <p>Descend.</p> | TR 37 | AP 3 |
| TR 37  |   |       |      |
| AP 3   |   |       |      |
| 18.053 | <p>Point for AP 4, Tract 37, as indicated by Jim Muth, U.S. Forest Service representative.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T4 1/2N R29E</p> <table border="1" style="margin: auto;"> <tr> <td style="padding: 2px;">TR 37</td> </tr> <tr> <td style="padding: 2px;">AP 4</td> </tr> </table> <p>1989</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p>   | TR 37 | AP 4 |
| TR 37  |   |       |      |
| AP 4   |   |       |      |

Metes-and-Bounds Survey of Tract 37, Unsurveyed  
T 4 1/2 N, R 29 E, Gila and Salt River Mer., Arizona

|        |  |
|--------|--|
| CHAINS | <p>From this point a fir, 11 ins. diam. bears N 62 1/2° E, 42 lks. dist., mkd. XBT and a fir, 13 ins. diam. bears S 53 1/2° W, 71 lks. dist., mkd. XBT.</p> <hr style="width: 25%; margin: 10px auto;"/> <p>N 5°38.9' E, on line 4-1, Tract 37.</p> <p>Descend.</p>  |
| 4.113  | <p>AP 1, Tract 37 and the point of beginning.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The land encompassed in this survey, adjacent to a community known as Sprucedale, is located approximately 13 air miles southwest of the town of Alpine, AZ. The elevation is approximately 7,500 ft. above sea level.</p> <p>The terrain consists of steep, broken land with moderate pine and fir timber, draining southerly into Beaver Creek.</p> <p>Access is by way of U.S. Route 666, and U.S. Forest Service Roads 26, 24, and 565.</p> <p>The mean magnetic declination is 12° E.</p> <hr/> |



UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

| NAMES                 | CAPACITY                |
|-----------------------|-------------------------|
| Luke B. Granger       | Surveying Technician    |
| Robert J. Lyle        | Surveying Technician    |
| Gerald A. Van Wagenen | Surveying Technician    |
| Keith P. Primm        | Land Surveyor (Trainee) |
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CERTIFICATE OF SURVEY

I, William P. Carpender, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 5th day of October, 1989, I have dependently resurveyed a portion of Homestead Entry Survey No. 481 and surveyed the metes-and-bounds survey of Tract 37 (Small Tracts Act AZ-35, Apache-Sitgreaves National Forest), in unsurveyed Township 4 1/2 North, Range 29 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 and under 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.

NOVEMBER 15, 1989  
(Date)

William P. Carpender  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Arizona State Office  
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of Homestead Entry Survey No. 481 and a metes-and-bounds survey of Tract 37 (Small Tracts Act AZ-35, Apache-Sitgreaves National Forest), in unsurveyed Township 4 1/2 North, Range 29 East, Gila and Salt River Meridian, Arizona, executed by William P. Carpender, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

DEC 20 1989  
(Date)

Jame P. Kelley  
(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I Certify that the foregoing transcript of the field notes of the above-described survey in unsurveyed T 4 1/2 N, R 29 E, Gila and Salt River Meridian, Arizona is a true copy of the original field notes.~~

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

~~\_\_\_\_\_~~  
(Chief Cadastral Surveyor of Arizona)