

ORIGINAL

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BOOK 5446

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE  
DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES

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AND A PORTION OF MINERAL SURVEY NO. 747

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AND

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THE SUBDIVISION AND METES-AND-BOUNDS SURVEY IN

---

IN SECTION 16

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TOWNSHIP 10 SOUTH, RANGE 16 EAST

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

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EXECUTED BY

Gordon R. Bube1

Cadastral Surveyor

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Under Special Instructions dated March 21, 1995, approved March 21, 1995, which provided for the surveys included under Group Number 786, and assignment instructions dated June 21, 1995.

Survey Commenced June 26, 1995

Survey Completed July 6, 1995

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## BOOK 5446

T. 10 S., R. 16 E., Gila and Salt River Meridian, Arizona

## CHAINS

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines and a portion of Mineral Survey No. 747 and the subdivision and metes-and-bounds survey in section 16, Township 10 South, Range 16 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this resurvey is as follows: The north half of the subdivisional lines were surveyed by William B. Alexander, in 1904. A portion of the south half of the subdivisional lines were surveyed by John F. Hesse, in 1915. Mineral Survey No. 747 was surveyed by George J. Raskrue, in 1885.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated March 21, 1995, for Group No. 786, Arizona.

Preliminary to the resurvey, the lines of the original survey were retraced and search was made for all corners and other calls of the 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 direct hour angle observations on the sun, and refer to the true meridian. Distances and angles were measured with a Sokkia SET 2BII total station instrument.

The geographic position of the 1/4 sec. cor. of secs. 15 and 16 as determined by differential positioning using the Ashtech MXII Geodetic Positioning System. U.S. Coast and Geodetic Survey triangulation station "PEPPER" was used as a control station.

Latitude: 32° 33' 51.80" N. Longitude 110° 42' 18.04" W. NAD 27

The mean magnetic declination as taken from quadrangle map CAMPO BONITO, ARIZ., published in 1948 by U.S. Geological Survey, is 13° E.

Dependent Resurvey of a Portion of the Subdivisional Lines  
T. 10 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">Restoring the survey executed by William B. Alexander, in 1904</p> <hr style="width: 20%; margin: auto;"/> <p>Beginning at the cor. of secs. 16, 17, 20 and 21, perpetuated by George W. McKay, Arizona Registered Land Surveyor No. 20369, in 1987, monumented with an aluminum post, 2 ins. diam, firmly set, projecting 14 ins. above ground, in a mound of stone, 3 ft. base, 2 ft. high, with aluminum cap mkd. T10S R16E 16 17 20 21 LS 20369 1987, and witnessed with an iron pipe, 1 in. diam., firmly set, projecting 4 ins. above ground, alongside aluminum post.</p> <p>from which bearing trees established by McKay</p> <p style="padding-left: 40px;">A forked mesquite, 12 ins. diam. at base, bears S. 26 1/4° E., 15 lks. dist. mkd. BT1 on a limb.</p> <p style="padding-left: 40px;">A mesquite, 8 ins. diam., bears S. 78 1/2° W., 76 lks. dist., mkd. BT2.</p> <p>This is accepted as a careful and faithful perpetuation of the orig. cor. position.</p> <p>N. 0°11' W., bet. secs. 16 and 17.</p> <p>Over rolling land, through dense mesquite and catclaw.</p> <p>8.91 Intersect line 6-1, Mineral Survey No. 747, Independent Lode.</p> <p>From this point, cor. No. 1, Independent Lode, bears N. 54°09' E., 1.04 chs. dist., hereinafter described.</p> <p>From this same point, cor. No. 6, Independent Lode, bears S. 54°09' W., 3.52 chs. dist., hereinafter described.</p> <p>Not monumented.</p> <p>18.45 Intersect line 2-3, Mineral Survey No. 747, Independent Lode, identical with AP 4 of the metes-and-bounds survey in sec. 16, hereinafter described.</p> <p>From this point, cor. No. 2, Independent Lode, bears S. 36°00' E., 7.67 chs. dist., hereinafter described.</p> <p>From this same point, cor. No. 3, Independent Lode, bears N. 36°00' W., 14.99 chs. dist., hereinafter described.</p>

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Dependent Resurvey of a Portion of the Subdivisional Lines  
T. 10 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
19.96	<p>The S. 1/16 sec. cor. of secs. 16 and 17, identical with AP 1 of the metes-and-bounds survey in sec. 16, established by Francis Rollins, Arizona Registered Land Surveyor No. 8024, date unknown, and remonumented by Ronald E. Stoll, Arizona Registered Land Surveyor No. 11758, in 1991, with an aluminum rod, 3/4 in. diam., firmly set, projecting 4 ins. above ground, encircled with a collar of stone, with aluminum cap mkd. T10S R16E S1/16 S17 S16 LS 11758 1991.</p> <p>This is accepted as a careful and faithful determination of the cor. position.</p> <p>From this cor. point, a rebar, 1/2 in. diam., firmly set, projecting 3 ins. above ground, with a 1 1/2 ins. diam. lead cap, stamped 1/16 17 16 4154, established by Vincent Coxon, Arizona R.L.S. 4154, bears N. 62°47' E., 2 lks. dist. Established using improper procedures and is not utilized in the course of this resurvey.</p> <hr/> <p>N. 0°11' W., beginning new measurement.</p> <p>Over rolling hills, dense mesquite, scattered oaks, dense undergrowth.</p>
19.95	<p>The 1/4 sec. cor. of secs. 16 and 17, perpetuated by George W. McKay, Arizona Registered Land Surveyor No. 20369, in 1987, monumented with an aluminum post, 2 ins. diam, firmly set, projecting 12 ins. above ground, in a mound of stone, 3 ft. base, 2 ft. high, with aluminum cap mkd. 1/4 S17 S16 LS 20369 1987.</p> <p>from which bearing trees established by McKay</p> <p style="padding-left: 40px;">A mesquite, 8 ins. diam., bears N. 16 3/4° W., 44 lks. dist., mkd. BT.</p> <p>and bearing objects established by Ronald E. Stoll, Az. R.L.S. No. 11758, in 1991</p> <p style="padding-left: 40px;">A 80d spike nail set in the top center of a 4 1/2 ft. high wood corner fence post, 8 ins. diam., bears S. 24° W., 20 lks. dist.</p> <p style="padding-left: 40px;">A rebar, 1/2 in. diam., set flush with surface of the ground, bears N. 72° W., 73 lks. dist.</p>

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Dependent Resurvey of a Portion of the Subdivisional Lines  
T. 10 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>This is accepted as a careful and faithful perpetuation of the orig. cor. position.</p> <hr/>
	<p>Dependent Resurvey of a Portion of Mineral Survey No. 747 T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona</p> <hr/>
	<p>Restoring the survey executed by George J. Raskrue, in 1885</p> <hr/>
	<p>From cor. 1, Independent Lode, monumented with an iron post, 2 ins. diam, firmly set, projecting 2 ins. above ground, encircled with a collar of stone, with lead cap mkd. I No 1.</p>
	<p>Cor. is located in a 4 strand barbed wire fence, bears NE and SW.</p> <hr/>
	<p>N. 53°10' E., on line 1-2.</p>
	<p>Over rolling land, through dense mesquite and catclaw.</p>
<p>4.54</p>	<p>Cor. 2, identical with AP 3 of the metes-and bounds survey in sec. 16, monumented with an iron post, 2 ins. diam., firmly set, projecting 8 ins. above ground, encircled with a collar of stone, with lead cap mkd. I No 2.</p>
	<p>Cor. is located alongside the cor. of fences, with 4 strand barbed wire fences bearing, SW and NW.</p> <hr/>
	<p>N. 36°00' W., on line 2-3, a portion of which is identical with line 3-4, of the metes-and bounds-survey in sec. 16.</p>
	<p>Over rolling land, through dense mesquite and catclaw.</p>
<p>7.67</p>	<p>Point for AP 4, of the metes and bounds survey in sec. 16, at intersection with the line between secs. 16 and 17, hereinafter described.</p>
<p>22.66</p>	<p>Cor. 3, monumented with an iron post, 2 ins. diam., firmly set, projecting 12 ins. above ground, in a mound of stone, 3 ft. base, to top, with lead cap mkd. I No 3.</p>
	<p>from which</p>
	<p>A mesquite stump, 14 ins. diam., bears N. 75° E., 73 lks. dist., with illegible marks on a partially healed blaze. (Record: 64 lks.)</p>

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Dependent Resurvey of a Portion of Mineral Survey No. 747  
T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS	
	<p>Cor. is located alongside a cor. of fences, with 4 strand barbed wire fences extending SE and SW.</p>
	<p>From Cor. 6, monumented with an iron post, 2 ins. diam, firmly set, projecting 12 ins. above ground, in a mound of stone, 2 ft. base, 2 ft. high, with lead cap mkd. I No 6.</p>
	<p>N. 54°09' E., on line 6-1.</p>
3.52	<p>Intersect the line between secs. 16 and 17.</p>
	<p>From this point, the cor. of secs. 16, 17, 20 and 21, bears S. 0°11' E., 8.91 chs. dist., hereinbefore described.</p>
4.56	<p>Cor. 1, hereinbefore described.</p>
<hr/> <p>Subdivision of Section 16 T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona</p> <hr/>	
	<p>From the 1/4 sec. cor. of secs. 16 and 21, perpetuated by George W. McKay, Arizona Registered Land Surveyor No. 20369, in 1987, monumented with an aluminum post, 2 ins. diam, firmly set, projecting 15 ins. above ground, in a mound of stone, 3 ft. base, 2 ft. high, with aluminum cap mkd. 1/4 S16 S21 LS 20369 1987.</p>
	<p>from which an original bearing tree</p>
	<p style="padding-left: 40px;">A dead and downed mesquite, 12 ins. diam., bears S. 40 1/4° E., 32 lks. dist., no marks visible.</p>
	<p>and a bearing tree established by McKay</p>
	<p style="padding-left: 40px;">A mesquite 12 ins. diam., bears S. 34 1/4° E., 27 lks. dist., mkd. BT</p>
	<p>and a bearing object established by Ronald E. Stoll, Az. R.L.S. No. 11758, in 1991</p>
	<p style="padding-left: 40px;">A rebar, 1/2 in. diam., set flush with surface of ground, bears S. 33 1/4° E., 61 lks., dist., with 1 in. diam. plastic cap mkd. RES LS 11758.</p>
	<p>This is accepted as a careful and faithful perpetuation of the orig. cor. position.</p>
	<p>N. 0°07' W. on the N. and S. center line of sec. 16.</p>

Subdivision of Section 16  
T. 10 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over rolling land, through dense mesquite and catclaw.
1.65	Overhead powerline, 4 wire, bears NE and SW.
19.98	<p>The center S. 1/16 sec. cor. of sec. 16, established by Francis Rollins, Arizona Registered Land Surveyor No. 8024, date unkown, and remonumented by Ronald E. Stoll, Arizona Registered Land Surveyor No. 11758, in 1991, with an aluminum rod, 3/4 in. diam., firmly set, projecting 6 ins. above ground, encircled with a collar of stone, with 3 ins. diam. aluminum cap mkd., T10S R16E C-S1/16 S16 LS 11758 1991.</p>
	<p>This is accepted as a careful and faithful determination of the cor. position.</p>
	<p>Cor. is located 33 lks. N. of ridgetop, bears NE and SW.</p>
	<hr style="width: 20%; margin: auto;"/> <p>N. 0°07' W., beginning new measurement.</p>
	Over rolling land, through dense mesquite and catclaw.
19.98	<p>The center 1/4 sec. cor. of sec. 16, established by Ronald E. Stoll, Arizona Registered Land Surveyor No. 11758, in 1991, monumented with an aluminum rod, 3/4 in. diam., firmly set, projecting 6 ins. above ground, encircled with a collar of stone, with aluminum cap mkd. T10S R16E C 1/4 S16 1995.</p>
	<p>This is accepted as a careful and faithful determination of the cor. position.</p>
	<hr style="width: 20%; margin: auto;"/> <p>N. 0°06' W., beginning new measurement.</p>
	Over rolling land, through dense mesquite and catclaw.
20.03	<p>The center N. 1/16 sec. cor. of sec. 16, established by Francis Rollins, Arizona Registered Land Surveyor No. 8024, date unkown, and remonumented by Ronald E. Stoll, Arizona Registered Land Surveyor No. 11758, in 1991, with an aluminum rod, 3/4 in. diam., firmly set, projecting 7 ins. above ground, encircled with a collar of stone, with 3 ins. diam. aluminum cap mkd. T10S R16E C-N1/16 S16 LS 11758 1991.</p>
	<p>from which</p>
	<p style="padding-left: 40px;">A cor. of barbed wire fences, 4 strands, extending S. and W., bears S. 64° W., 1.69 chs. dist.</p>



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Subdivision of Section 16

T. 10 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
20.02	<p>This is accepted as a careful and faithful determination of the cor. position.</p> <hr/> <p>N. 0°08' W., beginning new measurement.</p> <p>Over rolling land, through dense mesquite and catclaw.</p> <p>The 1/4 sec. cor. of secs. 9 and 16, perpetuated by George W. McKay, Arizona Registered Land Surveyor No. 20369, in 1987, monumented with an aluminum post, 2 ins. diam, firmly set, projecting 10 ins. above ground, in a mound of stone, 3 ft. base, 2 ft. high, with aluminum cap mkd. 1/4 S9 S16 LS 20369 1987.</p> <p>from which a bearing tree established by McKay</p> <p style="padding-left: 40px;">A mesquite, 11 ins. diam., bears S. 21 1/4° W., 44 lks. dist., mkd. BT.</p> <p>and bearing objects established by Ronald E. Stoll, Az. R.L.S. No. 11758, in 1991</p> <p style="padding-left: 40px;">A rebar, 1/2 in. diam., set flush with surface of ground, bears S. 84 1/4° W., 59 lks., dist., with 1 in. diam. plastic cap mkd. RES LS 11758.</p> <p style="padding-left: 40px;">A rebar, 1/2 in. diam., set flush with surface of ground, bears N. 3 1/4° W., 72 lks., dist., with 1 in. diam. plastic cap mkd. RES LS 11758.</p> <p>This is accepted as a careful and faithful perpetuation of the orig. cor. position.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 15 and 16 perpetuated by George W. McKay, Arizona Registered Land Surveyor No. 20369, in 1987, monumented with an aluminum post, 2 ins. diam, firmly set, projecting 10 ins. above ground, in a mound of stone, 3 ft. base, 1 ft. high, with aluminum cap mkd. 1/4 16 15 LS 20369 1987.</p> <p>from which a bearing object established by McKay</p> <p style="padding-left: 40px;">A stone 12 ins. x 12 ins. x 16 ins. high, bears N. 6 1/4° E., 62 lks. dist., mkd. X BO on S. face.</p> <p>and a bearing object established by Ronald E. Stoll, Az. R.L.S. No. 11758, in 1991</p> <p style="padding-left: 40px;">A rebar, 1/2 in. diam., set flush with surface of ground, bears S. 74° W., 44 lks., dist., with 1 in. diam. plastic</p>

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Subdivision of Section 16

T. 10 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
	cap mkd. RES LS 11758.
	This is accepted as a careful and faithful perpetuation of the orig. cor. position.
	S. 89°58' W. on the E. and W. center line of sec. 16.
39.05	Center of graded road, 15 lks. wide, bears N. and S.
40.01	The center 1/4 sec. cor. of sec. 16.
	<hr/>
	S. 89°58' W., beginning new measurement.
0.86	Barbed wire fence, 4 strand bears, N. and S.
4.15	Center of trail road, 15 lks. wide, bears NNE and SSW.
39.30	Center of graded road, 23 lks. wide, bears N. and S.
39.95	Barbed wire fence, 4 strand bears, N. and S.
40.02	The 1/4 sec. cor. of secs. 16 and 17.
	<hr/>
	SW 1/4
	<hr/>
	From the center S. 1/16 sec. cor. of sec. 16.
	West, on the E. and W. center line of the SW 1/4 sec. 16.
	Over rolling land, through dense mesquite and catclaw.
14.16	Point for AP 2 of the metes-and-bounds survey in sec. 16, hereinafter described
15.70	Overhead power line, 4 strand, bears SE and NW.
40.01	The S. 1/16 sec. cor. of secs. 16 and 17.
	<hr/>
	Metes-and-Bounds Survey in Section 16 T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona
	<hr/>
	From the S. 1/16 sec. cor. of secs 16 and 17, identical with AP 1 of the metes-and-bounds survey in sec. 16., hereinbefore described.

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Metes-and-Bounds Survey in Section 16  
 T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS	
25.85	<p>East, on line 1-2, identical with a portion of the E. and W. center line of the SW 1/4 of sec. 16.</p> <p>Over rolling land, through dense mesquite and catclaw.</p> <p>Point for AP 2.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <div data-bbox="841 640 1015 798" style="text-align: center;"> <p>T10S R16E              S16              AP2              1995</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>From this point, the center S. 1/16 sec. cor. of sec. 16, bears East 14.16 chs. dist., hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 70°07' W., on line 2-3.</p> <p>Over rolling land, through dense mesquite and catclaw.</p>
22.68	<p>AP 3, identical with cor. No. 2, M.S. No. 747, Independent lode, hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 36°00' W., on line 3-4, identical with a portion of line 2-3, M.S. No. 747, Independent lode.</p>
7.67	<p>Point for AP 4, at the intersection with the line bet. secs. 16 and 17.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <div data-bbox="820 1627 998 1816" style="text-align: center;"> <p>T10S R16E              S17   S16              AP4              MS 747              IND              1995</p> </div>

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Metes-and-Bounds Survey in Section 16  
T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona

<p>CHAINS</p> <p>1.51</p>	<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>Cor. is located in a 4 strand barbed wire fence bearing, NW and SE.</p> <hr/> <p>N. 0°11' W., on line 4-1, identical with a portion of the line bet. secs. 16 and 17.</p> <p>AP 1, identical with the S. 1/16 sec. cor. of secs. 16 and 17, and point of beginning.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>Section 16, Township 10 South, Range 16 East is situated in the foothills of the Santa Catalina Mountains, approximately 5 miles SE of the town of Oracle.</p> <p>The terrain is rolling with elevations ranging from 4300 ft. to 4600 ft. above sea level. Bonito creek is the dominant water course, crossing the S 1/2 of the section in a easterly direction. The vegetation consists of dense stands of mesquite and catclaw with scattered oaks and sycamores. The soil is predominantly sandy loam.</p> <p>The Young Mens Christian Association has a camp in the N 1/2 of the SW 1/4 and the S 1/2 of the NW 1/4 of sec. 16.</p> <hr/>
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BOOK 5446

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Geoffrey A. Graham	Surveying Technician

CERTIFICATE OF SURVEY  
BOOK 5446

I, Gordon R. Babel, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 21st day of March, 1995, I have dependently resurveyed a portion of the subdivisional lines and a portion of Mineral Survey No. 747 and subdivided and executed a metes-and-bounds survey in section 16, Township 10 South, Range 16 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.

OCT. 4, 1995  
(Date)

Gordon R. Babel  
(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 the subdivisional lines and a portion of Mineral Survey No. 747 and the subdivision and metes-and-bounds survey in section 16, of Township 10 South, Range 16 East, Gila and Salt River Meridian, Arizona, executed by Gordon R. Babel, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

OCT 12 1995  
(Date)

Dale T. Wilson  
(Acting Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 10 S., R. 16 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

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

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