

ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF

MINERAL SURVEY NO. 2108B

AND

MINERAL SURVEY NO. 4097

AND THE METES-AND-BOUNDS SURVEY OF

TRACTS 37 AND 38 IN

TOWNSHIP 10 SOUTH, RANGE 16 EAST

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

EXECUTED BY

Gordon R. Bube1

Cadastral Surveyor

Under Special Instructions dated June 13, 1995, approved June 13, 1995, which provided for the surveys included under Group Number 790, and assignment instructions dated June 29, 1995.

Survey Commenced July 10, 1995

Survey Completed July 18, 1995

BOOK 5447
INDEX DIAGRAM

TOWNSHIP 10 SOUTH, RANGE 16 EAST,

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BOOK 5447

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

CHAINS

The following field notes describe the dependent resurvey of Mineral Survey No. 2108B and Mineral Survey No. 4097, and the metes-and-bounds survey of Tracts 37 and 38, in Township 10 South, Range 16 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this survey 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. 2108B was surveyed by Philip Contzen, in 1905. Mineral Survey No. 4097 was surveyed by T. N. Stevens in 1929.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated June 13 1995, for Group No. 790, 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 SET2BII total station instrument.

The geographic position of the 1/4 sec. cor. of secs. 21 and 28 was determined by the technique of static differential positioning using Ashtech models M-XII and MS-XII geodetic units. U.S. Coast and Geodetic Survey triangulation station "PEPPER" was used as the control station. The elevation and coordinates refer to the top of the monument.

Latitude: 32°32'33.60" N. Longitude: 110°42'48.54" W. NAD27

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

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Dependent Resurvey of Mineral Survey No. 2108B
T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS	<p style="text-align: center;">Restoring the survey executed by Philip Contzen, in 1905</p> <hr style="width: 20%; margin: auto;"/> <p>Beginning at Cor. No. 1, Lewis Mill Site, identical with A.P. 1 of Tract 38, perpetuated by Norman W. Wisner, Arizona Registered Land Surveyor No. 12900, in 1992, monumented with an aluminum post, 2 ins. diam., firmly set, projecting 7 ins. above ground, encircled with a collar of stone, with aluminum cap mkd. LMS COR1 MS 2108B LS 12900 1992.</p> <p>from which the original bearing tree</p> <p style="padding-left: 40px;">A rotted mesquite stump, 8 ins. diam., bears S. 52° W., 9 lks dist., no marks visible.</p> <p>and bearing trees established by Wisner</p> <p style="padding-left: 40px;">A forked mesquite, 16 ins. diam., at base, bears N. 70 1/2° E., 24 lks. dist., mkd BT.</p> <p style="padding-left: 40px;">A mesquite, 6 ins. diam., bears S. 66° W., 53 lks. dist., mkd BT.</p> <p>This is accepted as a careful and faithful perpetuation of the orig. cor. position.</p> <p>From this cor. point, the 1/4 sec. cor. of secs. 21 and 28 bears N. 12°29'E., 13.92 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 24 ins. above ground, in a supporting mound of stone, 3 ft. base, to top, with brass cap mkd. 1/4 S21 S28 1915.</p> <p>Add the marks T10S R16E 1995 to the brass cap.</p> <p>S. 84°27' E., on line 1-2.</p> <p>Over rolling land, through dense mesquite, scattered oaks and sycamores.</p> <p>9.99 Cor. No. 2, perpetuated by Norman W. Wisner, Arizona Registered Land Surveyor No. 12900, in 1992, monumented with an aluminum post, 2 ins. diam., firmly set, projecting 7 ins. above ground, encircled with a collar of stone, with aluminum cap mkd. LMS COR2 MS 2108B LS 12900 1992.</p>
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Dependent Resurvey of Mineral Survey No, 2108B
T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS	
	<p>from which the original bearing trees</p> <p>A mesquite, 17 ins. diam., bears S. 42 3/4° E., 1.62 chs. dist., with illegible marks on a partially healed blaze.</p> <p>A mesquite, 16 ins. diam., bears N. 86 1/2° W., 1.32 chs. dist., with healed over blaze.</p> <p>This is accepted as a careful and faithful perpetuation of the orig. cor. position.</p> <p>Cor. is located in a barbed wire fence, 4 strand, bears E. and W.</p> <hr/> <p>S. 13°31' E., on line 2-3.</p> <p>Over rolling land, through dense mesquite, scattered oaks and sycamores, across Arizona Boys Ranch.</p>
0.14	<p>Intersect line 4-1 of M.S. No. 4097, Mischief Mill Site.</p> <p>From this point cor. No. 1 of M.S. No. 4097, Mischief Mill Site bears N. 11°39' W., 2.06 chs. dist., hereinafter described.</p>
5.00	<p>Cor. No. 3, determined from the lone remaining bearing tree. This cor. position falls in a gravel driveway, and is not remonumented at the request of Az. Boys Ranch.</p> <p>from which the original bearing tree</p> <p>A sycamore, 6 1/2 ft. diam., bears N. 30 1/4° E., 76 lks. dist., with healed blaze.</p> <hr/> <p>N. 84°35' W., on line 3-4, a portion of which is identical with line 3-2, of Tract 38.</p> <p>Over rolling land, through dense mesquite, scattered oaks and sycamores, across Arizona Boys Ranch.</p>
0.17	<p>Intersect line 4-1, M.S. No. 4097, Mischief Mill Site, identical with the point for A.P. 3 of Tract 38, hereinafter described.</p> <p>From this point Cor. No. 4, Mischief Mill Site, bears S. 11°39' E., 0.19 chs. dist., hereinafter described.</p>
10.00	<p>Cor. No. 4, identical with A.P. 2 of Tract 38, perpetuated by Norman W. Wisner, Arizona Registered Land Surveyor No. 12900, in 1992, monumented with an aluminum post, 2 ins. diam., firmly set, projecting 6 ins. above ground, with aluminum cap mkd. LMS COR4 MS 2108B LS 12900 1992.</p>

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Dependent Resurvey of Mineral Survey No, 2108B
T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS	
	<p>from which the original bearing tree</p>
	<p>A sawed sycamore stump, 4 ft diam., bears N. 27 3/4° E., 78 lks. dist., with no marks remaining.</p>
	<p>and bearing trees established by Wisner</p>
	<p>A walnut, 13 ins. diam., bears N. 49 3/4° W., 13 lks. dist., mkd. BT.</p>
	<p>A hackberry, 14 ins. diam., bears S. 32° W., 2 lks. dist., mkd. BT.</p>
	<hr/> <p>N. 13°23' W., on line 4-1, identical with line 2-1, of Tract 38.</p>
	<p>Over rolling land, through dense mesquite, scattered oaks and sycamores, across Arizona Boys Ranch.</p>
1.80	<p>Peppersauce Creek, 15 lks. wide, 1 ft. deep, course SE.</p>
5.02	<p>Cor. No. 1, and point of beginning.</p>
	<hr/> <p>Dependent Resurvey of Mineral Survey No. 4097 T. 10 S., R. 16 E., G. & S.R. Mer., Arizona</p> <hr/>
	<p>Restoring the survey executed by T. N. Stevens, in 1929</p> <hr/>
	<p>From Cor. No. 1, Mischief Mill Site, monumented with an iron post, 2 ins. diam, firmly set, in concrete, projecting 22 ins. above ground, with lead cap mkd. USMS 4097 1 MIS MS.</p>
	<p>from which the original bearing tree</p>
	<p>A dead mesquite 12 diam., bears N. 38 3/4° W., 15 lks. dist., with no marks visible. (Record N. 44° W.)</p>
	<p>S. 78°57' E., on line 1-2.</p>
	<p>Over rolling land, through dense mesquite, scattered oaks and sycamores, across Arizona Boys Ranch.</p>
7.06	<p>Cor. No. 2, identical with A.P. 1 of Tract 37, monumented with an iron post, 2 ins. diam, firmly set, in concrete, projecting 24 ins. above ground, with lead cap mkd. 2 MIS MILL SITE USMS 4097.</p>

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Dependent Resurvey of Mineral Survey No. 4097
T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS	
	<p>Cor. is located in a barbed wire fence, 5 strands bears ESE and WSW.</p> <hr/>
	<p>S. 11°40' E., on line 2-3, identical with a portion of line 1-8 of Tract 37.</p>
	<p>Over rolling land, through dense mesquite, scattered oaks and sycamores, across Arizona Boys Ranch.</p>
4.42	<p>Point for A.P. 8 of Tract 37, hereinafter described.</p>
5.00	<p>Peppersauce Creek, 6 lks. wide, 3 ft. deep, course E.</p>
7.06	<p>Cor. No. 3, identical with A.P. 5 of Tract 38, monumented with an iron post, 2 ins. diam, firmly set, in concrete, projecting 16 ins. above ground, with lead cap mkd. 3 MIS MILL SITE USMS 4097.</p>
	<p>from which the original bearing tree</p>
	<p>An oak, 16 ins. diam., bears N. 14° W., 26 lks. dist., with healed over blaze.</p>
	<p>Cor. is located in a barbed wire fence, 6 strands bears E and W.</p> <hr/>
	<p>N. 78°55' W., on line 3-4, identical with line 5-4 of Tract 38.</p>
	<p>Over rolling land, through dense mesquite, scattered oaks and sycamores, across Arizona Boys Ranch.</p>
7.06	<p>Cor. No. 4, identical with A.P. 4 of Tract 38, monumented with an iron post, 2 ins. diam., firmly set, in concrete, projecting 8 ins. above ground, with illegible marks on smashed lead cap.</p>
	<p>from which the original bearing tree</p>
	<p>A sycamore, 6 1/2 ft. diam., bears N. 30 1/4° E., 98 lks. dist., with healed blaze. (Sycamore is identical with bearing tree recorded at Cor. No. 3, M.S. 2108B, Lewis Mill Site.)</p>
	<p>From this point cor. No. 3 of M.S. No. 2108B, Lewis Mill Site bears N. 36°06' E., 21 lks. dist., hereinbefore described.</p>
	<p>N. 11°39' W., on line 4-1.</p>
	<p>Over rolling land, through dense mesquite, scattered oaks and sycamores, across Arizona Boys Ranch.</p>

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Dependent Resurvey of Mineral Survey No. 4097
T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS	
0.19	Intersect line 3-4 of M.S. No. 2108B, Lewis Mill Site, identical with the point for A.P. 3 of Tract 38, hereinafter described.
	From this point Cor. No. 3 of M.S. No. 2108B, Lewis Mill Site, bears S. 84°35' E., 0.17 chs. dist., hereinbefore described.
5.00	Intersect line 2-3 of M.S. No. 2108B, Lewis Mill Site.
	From this point cor. No. 2 of M.S. No. 2108B, Lewis Mill Site, bears N. 13°31' W., 0.14 chs. dist., hereinbefore described.
7.06	Cor. No. 1, and point of beginning.
	<hr/> <p>Metes-and-Bounds Survey of Tract 37 T. 10 S., R. 16 E., G. & S.R. Mer., Arizona</p> <hr/>
	From A.P. 1, identical with Cor. No. 2 of M.S. 4097, Mischief Mill Site, hereinbefore described.
	S. 85°16' E., on line 1-2.
	Over rolling land, through dense mesquite, scattered oaks and sycamores.
16.68	Point for A.P. 2.
	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>T10S R16E</p> 
	1995
	Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.
	S. 7°44' W., on line 2-3.
	Over rolling land, through dense mesquite, scattered oaks and sycamores.
4.64	Point for A.P. 3.

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Metes-and-Bounds Survey of Tract 37
T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS

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.

T10S R16E

TR 37 /
AP3 / S28

1995

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

N. 75°38' W., on line 3-4.

Over rolling land, through dense mesquite, scattered oaks and
sycamores.

3.80 Point for A.P. 4.

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.

T10S R16E

TR37
AP4

S28
1995

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

S. 81°38' W., on line 4-5.

Over rolling land, through dense mesquite, scattered oaks and
sycamores.

3.64 Point for A.P. 5.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,
23 ins. in the ground, encircled with a collar of stone, with
brass cap mkd.

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Metes-and-Bounds Survey of Tract 37
T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona

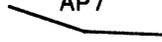
CHAINS	
	<p style="text-align: center;">T10S R16E</p> <p style="text-align: center;">TR37 AP5</p> <p style="text-align: center;">S28</p> <p style="text-align: center;">1995</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 82°44' W., on line 5-6.</p> <p>Over rolling land, through dense mesquite, scattered oaks and sycamores.</p>
2.63	<p>Point for A.P. 6.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p>
	<p style="text-align: center;">T10S R16E</p> <p style="text-align: center;">TR37 AP 6</p> <p style="text-align: center;">S28</p> <p style="text-align: center;">1995</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> <hr style="width: 20%; margin: auto;"/> <p>N. 87°09' W., on line 6-7.</p> <p>Over rolling land, through dense mesquite, scattered oaks and sycamores.</p>
2.42	<p>Point for A.P. 7.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p>

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Metes-and-Bounds Survey of Tract 37
T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS

T10S R16E
TR37
AP7



S28
1995

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

N. 74°22' W., on line 7-8.

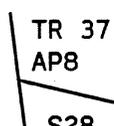
Over rolling land, through dense mesquite, scattered oaks and sycamores.

2.91 Point for A.P. 8, on line 2-3, M.S. No. 4097, Mischief Mill Site.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, encircled with a collar of stone, with brass cap mkd.

T10S R16E

MS 4097 | TR 37
AP8
S28
1995



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

From this point Cor. No. 3 of M.S. No. 4097, Mischief Mill Site bears S. 11°40' E., 2.64 chs. dist., hereinbefore described.

N. 11°40' W., on line 8-1, identical with a portion of line 3-2, M.S. No. 4097, Mischief Mill Site.

4.42 A.P. 1, identical with Cor. No. 2, M.S. No. 4097, Mischief Mill Site, and point of beginning.

Metes-and-Bounds Survey of Tract 38,
T. 10 S., R. 16 E., G. & S.R. Mer., Arizona

From A.P. 1, identical with Cor. No. 1, M.S. No. 2108B, Lewis Mill Site, hereinbefore described.

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Metes-and-Bounds Survey of Tract 38
T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS	
	S. 13°23' E., on line 1-2, identical with line 1-4, M.S. No. 2108B, Lewis Mill Site.
5.02	A.P. 2, identical with Cor. No. 4, M.S. No. 2108B, Lewis Mill Site, hereinbefore described. <hr/>
	S. 84°35' E., on line 2-3, identical with a portion of line 4-3, M.S. No. 2108B, Lewis Mill Site.
	Over rolling land, through dense mesquite, scattered oaks and sycamores, across Arizona Boys Ranch.
9.83	Point for A.P. 3, at intersection with line 4-1, M.S. No. 4097, Mischief Mill Site. Not monumented.
	From this point, cor. No. 3, M.S. No. 2108B, Lewis Mill Site, bears S. 84°35' E., 0.17 chs. dist., hereinbefore described.
	From this same point, cor. No. 1, M.S. No. 4097, Mischief Mill Site, bears N. 11°39' W., 6.87 chs. dist., hereinbefore described. <hr/>
	S. 11°39' E., on line 3-4., identical with a portion of line 1-4, M.S. No. 4097, Mischief Mill Site,
	Over rolling land, through dense mesquite, scattered oaks and sycamores, across Arizona Boys Ranch.
0.19	A.P. 4, identical with Cor. No. 4, M.S. No. 4097, Mischief Mill Site, hereinbefore described. <hr/>
	S. 78°55' E., on line 4-5, identical with line 4-3, M.S. No. 4097, Mischief Mill Site.
	Over rolling land, through dense mesquite, scattered oaks and sycamores, across Arizona Boys Ranch.
7.06	A.P. 5, identical with Cor. No. 3, M.S. No. 4097, Mischief Mill Site, hereinbefore described. <hr/>
	N. 88°44' W., on line 5-6.
	Over rolling land, through dense mesquite.
18.34	Point for A.P. 6.

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Metes-and-Bounds Survey of Tract 38
T. 10 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS

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.

T10S R16E

S28 / TR38
AP6

1995

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

N. 3°25' E., on line 6-1.

Over rolling land, through dense mesquite.

0.22 Barbed wire fence, 6 strand, bears ENE and WSW.

6.97 A.P. 1, identical with Cor. No. 1, M.S. No. 2108B, Lewis Mill Site, and point of beginning.

GENERAL DESCRIPTION

The area surveyed within unsurveyed section 28, Township 10 South, Range 16 East, is situated in the foothills of the Santa Catalina Mountains, approximately 8 miles SE of Oracle.

The terrain is rolling with elevations ranging from 4300 ft. to 4600 ft. above sea level. Peppersauce Creek is the main water course, crossing the area surveyed in a easterly direction. The vegetation consists of dense stands of mesquite, with sycamores, oaks and hackberry trees along the watercourse. The soil is predominantly sandy loam.

The Arizona Boys Ranch have a camp, consisting of over a dozen buildings within the area surveyed.

BOOK 5447

UNITED STATES

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
W. William Foster	Surveying Technician
Geoffrey A. Graham	Surveying Technician

CERTIFICATE OF SURVEY

BOOK 5447

I, Gordon R. Bubl, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 13th day of June, 1995, I have dependently resurveyed Mineral Survey No. 2108B and Mineral Survey No. 4097, and executed the metes-and-bounds survey of Tracts 37 and 38, in 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. Bubl

 (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
 Arizona State Office
 Phoenix, Arizona

The foregoing field notes of the dependent resurvey of Mineral Survey No. 2108B and Mineral Survey No. 4097, and the metes-and-bounds survey of Tracts 37 and 38 in partially unsurveyed Township 10 South, Range 16 East, Gila and Salt River Meridian, Arizona, executed by Gordon R. Bubl, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

OCT 12 1995

 (Date)

Dale T. Wilson

 (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)~~

~~_____~~
~~(Chief Cadastral Surveyor of Arizona)~~