

ORIGINAL

BOOK 5387

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

DEPENDENT RESURVEY

OF A PORTION

OF MINERAL SURVEY NUMBER 4221

AND

A METES AND BOUNDS SURVEY OF TRACT 37,

IN

UNSURVEYED TOWNSHIP 11 SOUTH, RANGE 15 EAST

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

EXECUTED BY
Stephen K. Hansen, Cadastral Surveyor

Under Special Instructions dated November 10, 1992, approved November 10, 1992, which provided for the surveys included under Group Number 746 and assignment instructions dated November 10, 1992.

Survey commenced November 17, 1992
Survey completed June 1, 1993

INDEX DIAGRAM

TOWNSHIP 11 SOUTH, RANGE 15 EAST,

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

MS 4221
Metes-and-Bounds Survey

pp. 4-6
pp. 6-8

T. 11 S., R. 15 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes are those of the dependent resurvey of a portion of Mineral Survey Number 4221, and a metes-and-bounds survey of Tract 37, in unsurveyed Township 11 South, Range 15 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this resurvey is as follows: W.B. Alexander surveyed a portion of the east boundary in 1905-06. Sidney E. Blout, Benjamin J. Kinsey and Charles E. Hunter completed the survey of the east boundary in 1926-27. Mineral Survey No. 4221 was surveyed by Ralph L. Motz in 1938.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated November 10, 1992, for Group No. 746, 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 re-monumented 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.

This survey was performed at the request of Federal Land Exchange, Incorporated, in a letter dated July 17, 1992. The purpose of this survey was to facilitate a land exchange.

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 Lietz Set 4A electronic instrument.

The geographic position of Angle Point Number 3, Tract 37, identical with Corner 2, Catalina 4, Mineral Survey Number 4221, as determined from a traverse made to U.S. Coast and Geodetic Survey triangulation station "Summerhaven 1936", located in the northeast quarter of section 30, T. 11 S., R. 16 E., is as follows:

Latitude: 32°26'22.35" N. Longitude: 110°45'50.03" W. NAD 27

The mean magnetic declination as taken from quadrangle map Mt. Lemmon, ARIZ., published in 1981 by U.S. Geological Survey, is 12 1/2° E.

Dependent Resurvey of a Portion of MS 4221,
T. 11 S., R. 15 E., Gila and Salt River Meridian, Arizona

CHAINS

Restoring the survey executed by
Ralph L. Motz, in 1938

MS 4221, Catalina 4

Beginning at cor. 1 of Catalina 4, MS 4221, in T. 11 S.,
R. 16 E., perpetuated by William E. Johnson, R.L.S. 13178,
monumented with an aluminum post, 30 ins. long, 2 1/2 ins. diam,
firmly set, projecting 12 ins. above ground, in a mound of stone,
2 ft. base, 1 ft. high, with a granite stone, 22 x 15 x 5 ins.,
mkd. C4 1 4221 on a face, in the mound of stone, with aluminum
cap mkd. COR1 CAT4 MS4221 LS13178 1987, from which original
bearing trees

A pine, 14 ins. diam., bears S. 13 1/4° W., 7 lks.
dist., with healed blaze. (Record: S. 13°12'W., 4.4 ft.
dist.)

A pine, 16 ins. diam., bears N. 5 1/4° W., 15 lks.
dist., with healed blaze. (Record: N. 5° 15' W., 10.4 ft.
dist.)

This is accepted as a careful and faithful perpetuation of the
original cor. position.

At the cor. point

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.

T11S R16E

C1
CAT4 S30
MS4221
1993

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

Bury the mkd. stone and aluminum post alongside the stainless
steel post, in the collar of stone.

S. 23°08' W., on line 1-2, Catalina 4, MS 4221.

Over mountainous land, through thick stands of pine and fir.

Dependent Resurvey of a Portion of MS 4221,
T. 11 S., R. 15 E., Gila and Salt River Meridian, Arizona

CHAINS	
8.81	<p>Point for a witness point at intersection with the line bet. secs. 25 and 30, T. 11 S., Rs. 15 and 16 E.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>From this cor. point, the cor. of secs. 25, 30, 31 and 36, monumented with a stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 18 ins. in the ground, to bedrock, in a mound of stone, 4 ft. diam., to top, with brass cap mkd. T11S R15E R16E S25 S30 S36 S31 1993 as described in the field note record of the dependent resurvey of a portion of the W. bdy., T. 11 S., R. 16 E., executed concurrently under this same group, bears S. 0°04' E., 0.30 chs. dist.</p>
17.69	<p>Point for AP 2, Tract 37, hereinafter described.</p>
22.84	<p>Cor. 2 of Catalina 4, MS 4221, now identical with AP 3, Tract 37, T. 11 S., R. 15 E., perpetuated by William E. Johnson, R.L.S. 13178, monumented with an aluminum post, 30 ins. long, 2 1/2 ins. diam., firmly set, projecting 8 ins. above ground, encircled with a collar of stone, with a granite stone, 25 x 12 x 7 ins., mkd. C4 2 MS4221 on a face, in the collar of stone, with aluminum cap mkd. CORNER 2 CATALINA 4 MS4221 IS13178 1988, from which an original bearing tree</p> <p style="padding-left: 40px;">A root hole, bears S. 48° E., 23 lks. dist., with fallen fir, 10 ins. diam., alongside, with healed blaze. (Record: S. 48°02'E., 15.5 ft. dist.)</p> <p>and bearing trees established by Johnson in 1988</p> <p style="padding-left: 40px;">A fir, 24 ins. diam., bears S. 60 1/2° E., 43.5 lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A pine, 11 ins. diam., bears S. 29 1/4° W., 43 lks. dist., with healed blaze.</p>

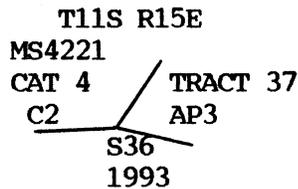
Dependent Resurvey of a Portion of MS 4221,
T. 11 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS

This is accepted as a careful and faithful perpetuation of the original cor. position.

At the cor. point

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.



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

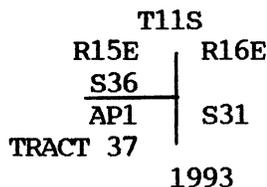
Bury the mkd. stone and the aluminum post alongside the stainless steel post, in the collar of stone.

From this cor. point, U.S. Coast and Geodetic Survey triangulation station "Summerhaven 1936", with published latitude of 32°27'12.347" N. and longitude of 110°45'10.740" W., NAD27, bears N. 33°40.6' E. (forward bearing), 92.03 chs. dist., monumented with a standard brass disk, 3 1/4 ins. diam., cemented flush with the surface of granite bedrock, with top of disk mkd. SUMMERHAVEN 1936 and a triangle.

Metes-and-Bounds Survey of Tract 37,
T. 11 S., R. 15 E., Gila and Salt River Meridian, Arizona

From the point for AP 1, Tract 37, on the line bet. secs. 31 and 36, T. 11 S., Rs. 15 and 16 E.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.



Metes-and-Bounds Survey of Tract 37,
T. 11 S., R. 15 E., Gila and Salt River Meridian, Arizona

CHAINS													
3.50	<p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>From this cor. point, the cor. of secs. 25, 30, 31 and 36, bears N. 0°05' W., 7.86 chs. dist., hereinbefore described.</p> <p>West, on line 1-2, Tract 37.</p> <p>Point for AP 2, Tract 37, on line 1-2, Catalina 4, MS 4221.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="0"> <tr> <td>T11S</td> <td>R15E</td> </tr> <tr> <td></td> <td>S36</td> </tr> <tr> <td>CAT 4</td> <td>AP2</td> </tr> <tr> <td>MS4221</td> <td>TRACT 37</td> </tr> <tr> <td></td> <td>1993</td> </tr> </table> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <hr style="width: 20%; margin: 10px auto;"/>	T11S	R15E		S36	CAT 4	AP2	MS4221	TRACT 37		1993		
T11S	R15E												
	S36												
CAT 4	AP2												
MS4221	TRACT 37												
	1993												
5.15	<p>S. 23°08' W., on line 2-3, Tract 37, identical with a portion of line 1-2, Catalina 4, MS 4221.</p> <p>AP 3, Tract 37, identical with cor. 2, Catalina 4, MS 4221, hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/>												
5.86	<p>S. 70°44' E., on line 3-4, Tract 37.</p> <p>Point for AP 4, Tract 37, on the line bet. secs. 31 and 36, T. 11 S., Rs. 15 and 16 E.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="0"> <tr> <td>T11S</td> <td></td> </tr> <tr> <td>R15E</td> <td>R16E</td> </tr> <tr> <td>TRACT 37</td> <td>S31</td> </tr> <tr> <td>AP 4</td> <td></td> </tr> <tr> <td>S36</td> <td></td> </tr> <tr> <td></td> <td>1993</td> </tr> </table> </div>	T11S		R15E	R16E	TRACT 37	S31	AP 4		S36			1993
T11S													
R15E	R16E												
TRACT 37	S31												
AP 4													
S36													
	1993												

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Gordon R. Bubel	Surveying Technician
Ted E. Cazier	Surveying Technician
Wallace R. Ott, Jr.	Surveying Technician
Steven B. Walton	Survey Aid

CERTIFICATE OF SURVEY

I, Stephen K. Hansen, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 10th day of November, 1992, I have dependently resurveyed a portion of MS 4221 and have performed a metes-and-bounds survey of Tract 37, Township 11 South, Range 15 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.

9/11/93

(Date)

Stephen K. Hansen

(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 MS 4221 and a metes-and-bounds survey of Tract 37, of Township 11 South, Range 15 East, Gila and Salt River Meridian, Arizona, executed by Stephen K. Hansen, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

SEP 14 1993

(Date)

James P. Kelly

(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. 11 S., R. 15 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~