

ORIGINAL

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A
PORTION OF THE SUBDIVISIONAL LINES
AND
THE SUBDIVISION OF SECTION 23
IN
TOWNSHIP 23 SOUTH, RANGE 20 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Gordon R. Bubel, Cadastral Surveyor

Under Special Instructions dated February 25, 2013, approved February 25, 2013, which provided for the surveys included under Group No. 1112, and assignment instructions dated February 25, 2013.

Survey commenced July 11, 2013

Survey completed November 26, 2013

INDEX DIAGRAM

TOWNSHIP 23 SOUTH RANGE 20 EAST
GILA & SALT RIVER MERIDIAN, ARIZONA

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T. 23 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines and the subdivision of the east 1/2 of section 23, Township 23 South, Range 20 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this survey is as follows:

Philip Contzen surveyed the subdivisional lines in 1906.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, (2009), and the Special Instructions dated February 25, 2013, for Group Number 1112, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation R8 and 5700 model receivers.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from Global Positioning System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) COCHISE COUNTY 2 CORS ARP, SOPORI ELEM SCH CORS ARP and KBC LIBRARY CORS ARP.

The NAD 83 (2011)(EPOCH:2010.0000) the geographic position of the following two corners:

The section corner of section 23, 24, 26, and 26, Township 24 South, Range 21 East:

Latitude: 31°24'33.492" N. Longitude: 110°16'27.457" W.

The section corner of section 13, 14, 23, and 24, Township 24 South, Range 21 East:

Latitude: 31°25'25.660" N. Longitude: 110°16'27.493" W.

The mean magnetic declination is 10° E.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 23 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS							
	<p>Beginning at the cor. of secs. 23, 24, 25, and 26, reestablished from record data provided in Book 48 of Maps of Surveys at page 1, Cochise County Recorder's Office, executed by Kevin P. Gilbert, Arizona R.L.S. No. 14181 in 2012, and corroborated by data furnished by the Cochise County Surveyor.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <table border="1" data-bbox="792 661 1015 766"> <tr> <td>T 23 S</td> <td>R 20 E</td> </tr> <tr> <td>S 23</td> <td>S 24</td> </tr> <tr> <td>S 26</td> <td>S 25</td> </tr> </table> <p>2014</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>The original granite stone, 16 x 8 x 6 ins. was found lying loose nearby, marked with 2 notches on an edge and one notch on an adjacent edge. Incorporate the marked stone within the mound of stone.</p> <p>N. 0°02' W., bet. secs. 23 and 24.</p> <p>Over mountainous land, through burned and unburned oak timber.</p>	T 23 S	R 20 E	S 23	S 24	S 26	S 25
T 23 S	R 20 E						
S 23	S 24						
S 26	S 25						
19.975	Point for the S. 1/16 sec. cor. of secs. 23 and 24, not monumented.						
39.95	<p>The 1/4 sec. cor. of secs. 23 and 24, reestablished by Kevin P. Gilbert, Arizona R.L.S. No. 14181 in 2012, recorded in Book 48 of Maps of Surveys at page 1, Cochise County Recorder's Office. Monumented with a rebar, 1/2 in. diam., firmly set, 4 ins. below the surface, with attached aluminum cap mkd. GTS T23S R20E S23 S24 1/4 RLS 14181. This is accepted as a careful and faithful reestablishment of the orig. cor. position.</p> <p>Cor. is located in Miller Canyon flood plain, 2 chs. N. of active stream of Miller Creek.</p> <hr data-bbox="641 1627 1169 1638"/> <p>N. 0°02' W., beginning new measurement.</p>						
2.40	Miller Canyon road, graded 20 ft. wide, bears NE and SW.						
39.95	The cor. of secs. 13, 14, 23, and 24, monumented with a granite stone, 21 x 10 x 8 ins., set 17 ins. in the ground, marked with 3 notches on the S. edge and 1 notch on the E. edge.						

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 23 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS					
	<p>from which the remains of an original bearing tree</p> <p>An oak stump, 16 ins. diam., bears N. 5° W., 25 lks. dist.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T 23 S R 20 E</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 14</td> <td style="padding: 0 5px;">S 13</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 23</td> <td style="padding: 0 5px;">S 24</td> </tr> </table> <p style="text-align: center;">2014</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post</p> <p>Incorporate the mkd. stone within the mound of stone.</p> <hr/>	S 14	S 13	S 23	S 24
S 14	S 13				
S 23	S 24				
	<p>From the cor. of secs. 23, 24, 25, and 26.</p> <p>S. 89°50' W., bet. secs. 23 and 26.</p> <p>Over steep N. and NE facing slopes, through oak timber and dense brush.</p>				
19.87	<p>Point for the E. 1/16 sec. cor. of secs. 23 and 26, not monumented.</p>				
39.74	<p>The 1/4 sec. cor. of secs. 23 and 24, monumented with a granite stone, 18 x 6 ins., firmly set, projecting 11 ins. above ground, mkd. 1/4 on the N. face.</p> <p>from which</p> <p>An oak stump, bears N. 35 1/4° E., 35 lks. dist.</p> <p>The cor. of secs. 22, 23, 26, and 27, within the Miller Peak Wilderness Area, was searched for and not found, the search area was located on a steep E. facing slope, within the burn area of the 2011 Monument fire.</p> <hr/> <p>From the cor. of secs. 13, 14, 23, and 24.</p> <p>N. 89°14' W., bet. secs. 14 and 23.</p> <p>Ascend, 1300 ft., over E. facing slopes and near vertical cliffs, through burned oak timber.</p>				

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 23 S., R. 20 E., Gila and Salt River Meridian, Arizona**

CHAINS	
40.35	True point for the 1/4 sec. cor. of secs. 14 and 23, at proportionate dist.; falls on nearly vertical cliff face, impracticable to establish a permanent monument.
44.39	<p>The witness cor. to the 1/4 sec. cor. of secs. 14 and 23, perpetuated in 1995 by Wallace L. Craig, Arizona R.L.S. No. 20354. Monumented with an aluminum post, 2 1/2 ins. diam., firmly set, projecting 14 ins. above ground, in a mound of stone 3 ft. base, to top, with aluminum cap mkd. 1/4 WC 14 23 LS 20354 1995. This is accepted as a careful and faithful perpetuation of the orig. cor.</p> <p>from which an original bearing tree</p> <p style="padding-left: 40px;">A burnt pine stump, 20 ins. diam., 12 ins. high, bears S. 57° E., 3 lks. dist.</p> <p>and the bearing objects established by Craig in 1995</p> <p style="padding-left: 40px;">A granite boulder, 21 x 30 x 30 ins., bears N. 23 1/2° E., 31 lks. dist., mkd. X BO on top face.</p> <p style="padding-left: 40px;">A pine, 10 ins. diam., bears S. 67° W., 29.5 lks. dist., mkd. 1/4 BT.</p> <p>The cor. of secs. 14, 15, 22, and 23 was searched for and not found, the search area was located within the burn area of the 2011 Monument fire.</p>
<hr/> <p>Subdivision of Section 23, T. 23 S., R. 20 E., Gila and Salt River Meridian, Arizona</p> <hr/>	
<p>From the 1/4 sec. cor. of secs. 23 and 26, hereinbefore described.</p>	
<p>N. 0°28' W., on the N. and S. center line of sec. 23.</p>	
<p>Over mountainous land, across Miller Canyon.</p>	
19.90	Point for the center S. 1/16 sec. cor. of sec. 23, not monumented.
39.80	Point for the center 1/4 sec. cor. at intersection with the E. and W. center line of sec. 23, not monumented.
80.55	The true point for the 1/4 sec. cor. of secs. 14 and 23, hereinbefore described.

Subdivision of Section 23,
T. 23 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From the 1/4 section cor. of secs. 23 and 24, hereinbefore described.</p> <p>S. 88°30' W., on the E. and W. center line of sec. 23.</p> <p>Ascending out of Miller Canyon, through burnt oak timber.</p>
10.03	<p>The center E-E 1/64 sec. cor. of sec. 23. monumented with an 105MM brass shell casing, 5 ins. diam., firmly set, projecting 9 ins. above ground, with a rebar, 1/2 in. diam. inserted in the top center. This is accepted as a careful and faithful reestablishment of the cor.</p> <p>Cor. is located on the S. side of a fence cor., with woven wire fences, 8 ft. high, bearing S. and W.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 89°59' W., beginning new measurement.</p> <p>In and along, woven wire fence, 8 ft. high, on the N. bdy. of Beatty's Guest Ranch.</p>
5.03	<p>The Center W-E-E 1/256 sec. cor. of sec. 23, monumented with an iron rod, 30 ins. long, 1 1/2 ins. diam., with attached 3 1/2 ins. diam. sprocket, firmly set, 3 ins. below the surface, This is accepted as a careful and faithful reestablishment of the cor.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T 23 S R 20 E S 23 C-W-E-E 1/256 2013</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post, bury the iron rod alongside the stainless steel post.</p> <p>Cor. is located 6 lks. N. of a fence cor., with woven wire fences, 8 ft. high, bearing E. and S.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 89°59' W., beginning new measurement.</p>
4.995	<p>Point for the center E. 1/16 sec. cor. of sec. 23, not monumented.</p>

Subdivision of Section 23,
T. 23 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS	
24.98	<p>The point for the center 1/4 sec. cor. of sec. 23.</p> <p>The 1/4 sec. cor. of secs. 22 and 23, within the Miller Peak Wilderness, was searched for and not found, the search area was located on a steep E. facing slope, within the burn area of the 2011 Monument fire.</p> <hr/> <p style="text-align: center;">SE 1/4 Section 23</p> <hr/> <p>From the point for the E. 1/16 sec. cor. of secs. 23 and 26, hereinbefore described.</p> <p>N. 0°18' W., on the E. and W. center line of the SE 1/4 of sec. 23.</p> <p>Across Miller Canyon</p>
19.90	Point for the SE 1/16 sec. cor. at intersection with the E. and W. center line of the SE 1/4 of sec. 23, not monumented.
39.74	Point for the center E. 1/16 sec. cor.
	<hr/> <p>From the point for the S. 1/16 sec. cor. of secs. 23 and 24, hereinbefore described.</p> <p>S. 89°19' W., on the E. and W. center line of the SE 1/4 of sec. 23.</p> <p>Over N. facing slope through burned oak timber.</p>
9.86	<p>The Center E-SE 1/64 sec. cor. of sec. 23. monumented with an 105MM brass shell casing, 5 ins. diam., firmly set, projecting 4 ins. above ground. This is accepted as a faithful and careful establishment of the cor.</p> <p>From this cor., a fence cor. bears N. 63°33' W., 23 lks. dist., with woven wire fences, 8 ft. high bearing N. and W.</p> <hr/> <p>N. 89°59' W., beginning new measurement, parallel with the N. bdy. of the Beatty's Guest Ranch.</p> <p>In and along, woven wire fence, 8 ft. high, on the S. bdy. of Beatty's Guest Ranch.</p>
5.03	<p>Point for the center W-E-SE 1/256 sec. cor. of sec. 23, at a dist. identical with S. bdy. of Beatty's Guest Ranch.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.</p>

SE 1/4 Section 23
T. 23 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T 23 S R 20 E S 23 C-W-E-SE 1/256 2013
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Cor. is located in an abandoned barbed wire fence, bears E. and W. and 4.5 lks. W. of a fence cor., with woven wire fences, 8 ft. high, bearing N. and E.

	S. 89°51' W., beginning new measurement.
5.08	Point for the SE 1/16 sec. cor. of secs. 23.
25.01	Point for the center S. 1/16 sec. cor. of sec. 23

	From the center E-SE 1/64 sec. cor.
	N. 0°32' W., on the N. and S. center line of the NE 1/4 of the SE 1/4 of sec. 23,
	Descending through oak timber, E. of a woven wire fence, 8 ft. high, on the E. bdy. of Beatty's Guest Ranch.
10.95	Woven wire fence, 10 ft. high, bears irregularly N. and S., at center of Miller Creek, 1 ch. wide, drains NE
11.94	From this point, the cor. of woven wire fences, 8 ft. high, bears E. 14 lks. dist., fence bears E. and irregularly N. and S., thence on W. side of parking area for Beatty's Guest Ranch.
14.54	From this point, the cor. of block fence, 2 1/2 ft. high, bears E., 1.5 lks. dist., fence bears S. and N. 60° W.
15.40	From this point, the cor. of a block fence, 2 1/2 ft. high, bears E., 12 lks. dist., fence bears N. and W.
18.17	From this point, the cor. of a woven wire fence, 8 ft. high, bears E., 5 lks. dist., fence bears N., S. and W.
18.66	From this point, the cor. of a woven wire fence, 8 ft. high, bears E., 4 lks. dist., fence bears N., S. and W.
19.83	The center E-E 1/64 sec. cor.

SE 1/4 Section 23
T. 23 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From the center W-E-SE 1/256 sec. cor. of 23.</p> <p>N. 0°32' W., on the N. and S. center line of the SW 1/4 of the NE 1/4 of the SE 1/4 and the N. and S. center line of the NW 1/4 of the NE 1/4 of the SE 1/4, identical with a portion of the Miller Peak Wilderness boundary.</p> <p>Descending through oak timber, on the W. bdy. of Beatty's Guest Ranch.</p>
2.70	From this point, gate in woven wire fence, 8 ft. high, bears W., 27 lks. dist., fence bears irregularly N. and S.
7.00	From this point, gate in woven wire fence, 8 ft. high, bears W., 19 lks. dist., fence bears irregularly N. and S.; thence across Miller Creek, drains NE.
8.71	Woven wire fence, 8 ft. high, bears irregularly N. and S.
19.83	The center W-E-E 1/256 sec. cor. of sec. 23.
<hr/> GENERAL DESCRIPTION <hr/>	
<p>Section 23, lies on the east facing slopes of the Huachuca Mountains, Miller Canyon enters the section near the S. 1/4 section corner and departs at the E. 1/4 section corner. In 2011, the Monument Fire was within the entire section, with only a small portion in the south half of section 23 left unburned.</p> <p>The Beatty's Guest Ranch, occupies the E 1/2 of the W 1/2 of the NE 1/4 of the SE 1/4 of section 23. The remainder of the section is within the Coronado National Forest, the majority lying within Miller Peak Wilderness.</p> <p>Access is by way of Miller Canyon Road and several USFS hiking trails.</p> <p>The mean magnetic declination of 10° E. was derived from the National Oceanic and Atmospheric Administration, National Geophysical Data Center, on line Magnetic Field Calculator, utilizing the World Magnetic Model for Epoch 2010 for the dates of the survey.</p> <hr/>	

CERTIFICATE OF SURVEY

I, Gordon R. Bubel, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 25th day of February, 2013, I have dependently resurveyed a portion of the subdivisional lines and subdivided section 23, Township 23 South, Range 20 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. Said survey has been made in strict conformity with said special instructions, the Manual of Surveying Instructions, (2009), and in specific manner described in the foregoing field notes.

April 24, 2015
(Date)

Gordon R. Bubel
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines and the subdivision of section 23, Township 23 South, Range 20 East, Gila and Salt River Meridian, in the State of Arizona, executed by Gordon R. Bubel, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

5/13/2015
(Date)

[Signature]
(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. 23 S., R. 20 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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