

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF
MINERAL SURVEY NUMBER 3550
AND
MINERAL SURVEY NUMBER 4281
TOWNSHIPS 24 SOUTH, RANGES 20 AND 21 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 March 14, 2013

Survey completed March 26, 2013

INDEX DIAGRAM

TOWNSHIP 24 SOUTH RANGE 20 AND 21 EAST
GILA & SALT RIVER MERIDIAN, ARIZONA

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T. 24 S., Rs. 20 and 21 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of Mineral Survey number 3550 in Section 1, Township 24 South, Range 20 East and Section 6, Township 24 South, Range 21 East, and the dependent resurvey of Mineral Survey number 4281, in sections 1 and 12, Township 24 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 east 5 miles of the North boundary of Township 24 South, Range 21 East in 1901, terminating his survey at the corner of sections 5, 6, 31, and 32.

The corner common to Townships 23 and 24 South, Ranges 20 and 21 East, was established in 1906 by Philip Contzen.

Sydney E. Blout, in 1916 retraced the east five miles of the North boundary, Township 24 South, Range 21 East and completed the North boundary, surveying the line between sections 6 and 31 and establishing a new township corner for Townships 23 and 24 South, Range 21 East.

In 1916, Sydney E. Blout, established the west boundary of Township 24 South, Ranges 21 East, at 40.00 chains intervals south of the newly established township corner, the east boundary of Township 24 South, Range 20 East was established at 40.00 chains intervals south of the original township corner, common to Townships 23 and 24, Ranges 20 and 21 East.

Ralph L. Motz, surveyed Mineral Survey number 3550 in 1919, and Mineral Survey number 4281 in 1944. Robert Lenon surveyed Mineral Survey number 4586 in 1962.

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.

T. 24 S., Rs. 20 and 21 E., Gila and Salt River Meridian, Arizona

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

The 1/4 section corner of section 6 only, Township 24 South, Range 21 East, is as follows:

Latitude: 31°22'21.83" N. Longitude: 110°15'26.59" W.

The 1/4 section corner of sections 1 and 12, Township 24 South, Range 21 East, is as follows:

Latitude: 31°21'57.182" N. Longitude: 110°15'56.931" W.

The mean magnetic declination is 10° E.

**Dependent Resurvey of M.S. No. 3550, Yaqui Placer,
T. 24 S., Rs. 20 and 21 E., Gila and Salt River Meridian, Az.**

**Restoring the survey executed by
Ralph L. Motz, in 1919**

Beginning at cor. No. 1, M.S. No. 3550, Yaqui placer, identical with cor. No. 3, M.S. No. 4586, Depression placer, determined from the remaining original bearing object

A granite boulder, 48 x 20 x 12 ins. high, bears
S. 57°20' W., 13.0 ft. dist., mkd. X 3550 on top face.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 14 ins. in the ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T24S R21E
S6 C3 DP
 C1
 YP MS 4586
MS 3551
 2013

Dependent Resurvey of M.S. No. 3550, Yaqui Placer,
T. 24 S., Rs. 20 and 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>An iron pipe, 26 ins. long, 1 1/2 ins. diam., with attached 2 1/2 ins. diam., lead cap, stamped YP 1 3550 DEPRESSION 3 4586, was found lying loose, between mounds of stone, 3 1/2 ft. base, 2 ft. high. Bury the iron post alongside the stainless steel post, disassemble the mounds of stone.</p> <p>Set an aluminum post, with attached USFS sign # 54-2, alongside the stainless steel post.</p> <p>Raise a mound of stone, 3 1/2 ft. base, 2 ft. high, N. of the stainless steel post.</p> <p>Cor. is located at the corner of downed barbed wire fences, extending S. 50° E. and S. 50° W.</p> <p>From this cor. point, the 1/4 section cor. of sec. 6, T. 24 S., R. 21 E, bears S 7°15' W., 17.74 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 13 ins. above ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. 1/4 S6 1916. Add the marks T24S R21E to the E. side of the brass cap and the marks 2013 to the bottom.</p> <p>from which</p> <p style="padding-left: 40px;">A burnt oak stump, with regrowth, bears N. 58 3/4° E., 15 lks. dist., no marks visible.</p> <p style="padding-left: 40px;">A madrone snag, 6 ins. diam., bears N. 70° E., 14 lks. dist., no marks visible.</p> <p>S. 49°04' E., on line 1-2, M.S. No. 3550, Yaqui placer, identical with line 3-2, M.S. No. 4586, Depression placer.</p> <p>Across S. fork of Ash Canyon, through burnt oak timber, along dilapidated barbed wire fence.</p> <p>3.50 South fork of Ash Creek at bottom of canyon, 30 ft. wide, drains S. 25° E.</p> <p>8.80 Cor. No. 2, M.S. No. 4586, Depression placer, monumented with a mound of stone, 3 ft. base, 1 ft. high, with an iron pipe, 26 ins. long, 1 1/2 ins. diam., with attached 2 1/2 ins. diam., lead cap, stamped YP MS 3550 2 DEPRESSION MS 4586, lying loose alongside.</p> <p>9.07 Cor. No. 2, M.S. No. 3550, Yaqui placer, perpetuated by Robert Lenon, in the execution of M.S. No. 4586, monumented with an iron pipe, 16 ins. long, 1 1/2 ins. diam., loosely set, in a collapsed mound of stone, projecting 12 ins. above ground, with attached 2 1/2 ins. diam. lead cap, stamped 2 YP 3550.</p>

Dependent Resurvey of M.S. No. 3550, Yaqui Placer,
T. 24 S., Rs. 20 and 21 E., Gila and Salt River Meridian, Arizona

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	<p>from which the original bearing objects</p> <p>A limestone boulder, 24 x 14 x 6 ins. high, bears S. 68°05' W., 8.45 ft. dist., with scribe mark 5 visible on fractured top side.</p> <p>A limestone ledge, 48 x 14 x 8 ins. high, bears N. 55°09' W., 24.4 ft. dist., with scribe marks 550 visible on eroded top side.</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, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T24S R21E</p> <p style="text-align: center;">MS 3550 S6 YP C2</p> <p style="text-align: center;">2013</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set an aluminum post, with attached USFS sign # 54-2, alongside the stainless steel post.</p> <p>Cor. is located 3 lks. ENE from a fence cor., with downed barbed wire fences, extending S. 45° W. and N. 50° W.</p> <hr/> <p>S. 47°19' W., on line 2-3, M.S. No. 3550, Yaqui placer.</p> <p>Along N. facing slope, above Ash Canyon, through burnt oak timber, along dilapidated and wandering barbed wire fence.</p>
21.51	<p>Cor. No. 3, M.S. No. 3550, Yaqui placer, monumented with a scattered mound of stone, and corroborated by the remaining bearing object.</p> <p>A limestone boulder, 12 x 12 x 5 ins. high, bears S. 47°16' E., 16.8 ft. dist., with faint illegible scribe mark on top face.</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, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p>

Dependent Resurvey of M.S. No. 3550, Yaqui Placer,
T. 24 S., Rs. 20 and 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T24S R20E MS 3550 YP C3 S1 2013</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>A burnt and squared wood post, 26 x 3 x 3 ins., was found lying loose nearby, bury this post alongside the stainless steel post.</p> <p>An accessory mound of stone, 4 ft. base, 1 1/2 ft. high is S. 40° W., 7 lks. dist.</p> <p>Cor. is located 1 1/2 lks. SW of a fence cor., with barbed wire fences extending N. 45° E. and N. 50° W.</p> <p>Set an aluminum post, with attached USFS sign # 54-2, alongside the stainless steel post.</p> <hr/> <p>N. 49°04' W., on line 3-4, M.S. No. 3550, Yaqui placer, parallel with line 2-1, Yaqui placer</p> <p>Across South fork of Ash Canyon, through burnt oak timber, along dilapidated barbed wire fence.</p> <p>4.90 South fork of Ash Creek at bottom of canyon, 30 ft. wide, drains E.</p> <p>6.00 USFS road No. 59, graded, 20 ft. wide, bears N. 70° E. and S. 70° W.</p> <p>9.09 Point for cor. No. 4, M.S. No. 3550, Yaqui placer at record dist. (600 ft.), there is no remaining evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, in a collar of stone, with brass cap mkd.</p>
	<p style="text-align: center;">T24S R20E MS 3550 S1 C4 YP 2013</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>

**Dependent Resurvey of M.S. No. 3550, Yaqui Placer,
T. 24 S., Rs. 20 and 21 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>Set an aluminum post, with attached USFS sign # 54-2, alongside the stainless steel post.</p> <p>Cor. is located in a dilapidated barbed wire fence, bears N. 45° E. and S. 45° W., for 8.5 lks., to intersection with barbed wire fence, bearing S. 50° E.</p> <p>From this cor. point, a mound of stone, 3 ft. base, 1 1/2 ft. high, with attached claim notice bears S. 43°04' W., 18.5 lks. dist.</p> <hr/> <p>N. 47°23' E., on line 4-1, M.S. No. 3550, Yaqui placer.</p> <p>Along S. facing slope, above Ash Canyon, through burnt oak timber, along dilapidated and wandering barbed wire fence.</p> <p>16.90 USFS road # 59, graded, 20 ft. wide, bears N. 35° E. and S. 35° W.</p> <p>21.51 Cor. No. 1, M.S. No. 3550, Yaqui placer.</p> <hr/> <p style="text-align: center;">Dependent Resurvey of M.S. No. 4281, Nugget No. 1-One lode T. 24 S., R. 20 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p style="text-align: center;">Restoring the survey executed by Ralph L. Motz, in 1944</p> <hr/> <p>From cor. No. 1, M.S. No. 4281, Nugget No. 1-One lode, determined from the original bearing object</p> <p style="padding-left: 40px;">A volcanic boulder, 8 x 20 ins., projecting 12 ins. above ground, bears S. 26° 51' E., 14.0 ft. dist., marked BR N1 4281 on the N. face.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 13 ins. in the ground, to bedrock, in a mound of stone, 3 1/2 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T24S R20E MS 4281 C1 S1 NUG 1 2013</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
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Dependent Resurvey of M.S. No. 4281, Nugget No. 1-One lode
T. 24 S., Rs. 20 and 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set an aluminum post, with attached USFS sign # 54-2, alongside the stainless steel post.</p> <p>A collapsed accessory mound of stone, 5 ft. diam., was found NW of the cor., relocate this mound around the stainless steel post.</p> <p>From this cor. point, the 1/4 section cor. of secs. 1 and 12, T. 24 S., R. 20 E, bears S. 16°23' E., 12.99 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 13 ins. above ground, with brass cap mkd. 1/4 S1 S12 1916. Add the marks T24S R20E 2013 to the brass cap.</p> <p>from which the remaining original bearing tree</p> <p style="padding-left: 40px;">An oak, 18 ins. diam., bears S. 21 3/4° E., 55 lks. dist., no marks visible.</p> <p>Build a mound of stone, 3 1/2 ft. base, to top, around the iron post.</p> <p>S. 45°57' W., on line 1-2, M.S. No. 4281, Nugget No. 1-One lode.</p> <p>Ascending over N. facing slopes, through burnt oak timber.</p>
22.61	<p>Cor. No. 2, M.S. No. 4281, Nugget No. 1-One, lode, determined from the original bearing objects and accessory mound of stone</p> <p style="padding-left: 40px;">A granite outcropping, 35 x 20 x 25 ins. high, bears S. 32°12' E., 9.8 ft. dist., no marks visible.</p> <p style="padding-left: 40px;">A quartz boulder, 24 x 19 x 20 ins. high, bears S. 38°35' W., 9.8 ft. dist., no marks visible.</p> <p>On the north side of a collapsed mound of stone</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 5 ins. in the ground, to bedrock, in a mound of stone, 5 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T24S R20E NUG 1 MS 4281 C2 2013</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set an aluminum post, with attached USFS sign # 54-2, alongside the cor.</p>

Dependent Resurvey of M.S. No. 4281, Nugget No. 1-One lode
T. 24 S., Rs. 20 and 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>The collapsed accessory mound of stone, was relocated around the stainless steel post.</p> <hr/> <p>N. 45°13' W., on line 2-3, M.S. No. 4281, Nugget No. 1-One lode.</p> <p>Over steep N. facing slopes, through burned and unburned oak timber.</p>
4.45	<p>The south end center, M.S. No. 4281, Nugget No. 1-One lode, monumented with a mound of stone, 5 ft. base, 3 ft. high.</p> <p>Set an aluminum post, with attached USFS sign # 54-2, alongside the stainless steel post.</p> <hr/> <p>N. 44°17' W., beginning new measurement.</p>
4.70	<p>Cor. No. 3, M.S. No. 4281, Nugget No. 1-One lode, monumented with a quartz outcropping, 36 x 12 x 12 ins. high, with the marks 4281 visible on the vertical face, and witnessed by a collapsed mound of stone to the NE.</p> <p>from which</p> <p style="padding-left: 40px;">A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 16 ins. in the ground for a reference monument, bears N. 46°08' E., 8.4 ft. dist. with brass cap mkd. RM T24S R20E S1 8.4 FT TO COR. MS 4281 N1 C3 2013 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Chisel an X above the marks 4281</p> <p>Rebuild the mound of stone, 3 ft. base, 1 1/2 ft. high, 4 ft. N. of the cor.</p> <p>Set an aluminum post, with attached USFS sign # 54-2, alongside the stainless steel post.</p> <hr/>
22.73	<p>N. 46°08' E., on line 3-4, M.S. No. 4281, Nugget No. 1-One, lode.</p> <p>Descending, over burned oak timber.</p> <p>Point for cor. No. 4, M.S. No. 4281, Nugget No. 1-One lode, restored at record dist. (300 ft.), from the north end center (hereinafter described), on the projection of the bearing from cor. No. 1, M.S. No. 4281, Nugget No. 1-One, through the north end center, there is no remaining evidence of the original cor.</p>

Dependent Resurvey of M.S. No. 4281, Nugget No. 1-One lode
 T. 24 S., Rs. 20 and 21 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 14 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T24S R20E S1</p> <p style="text-align: center;">C4 MS 4281 NUG 1 2013</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set an aluminum post, with attached USFS sign # 54-2, alongside the stainless steel post.</p> <hr/> <p>S. 44°00' E., on line 4-1, M.S. No. 4281, Nugget No. 1-One, lode.</p> <p>Over burnt oak timber.</p>
4.545	<p>The north end center, monumented with a mound of stone, 4 ft. base, 3 ft. high.</p> <p>Set an aluminum post, with attached USFS sign # 54-2, alongside the stainless steel post.</p> <hr/> <p>S. 44°00' E., beginning new measurement.</p>
4.53	<p>Cor. No. 1, M.S. No. 4281, Nugget No. 1-One.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>This survey is located in the Ash Canyon area of the Huachuca Mountains. The vegetation is dominated by a regrowth of oak timber, succeeding the 2011 monument fire. Access is by way of Ash Canyon Road and migrant foot trails.</p> <p>Some recreational placer mining was observed, large scale mining was absent.</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 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 Mineral Survey number 3550 in section 1, Township 24 South, Range 20 East, and section 6, Township 24 South, Range 21 East and dependently resurveyed Mineral Survey number 4281, in section 1 and 12, Township 24 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 23, 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 Mineral Survey numbers 3550 and 4281, Tps. 24 S., Rs. 20 and 21 E., 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 Tps. 24 S., Rs. 20 and 21 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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