

ORIGINAL

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

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF PORTIONS OF

MINERAL SURVEY 1406, GEORGIA LODE

AND

MINERAL SURVEY 2566, NOONDAY MINE LODE

AND THE SURVEY OF TRACT 39,

IN UNSURVEYED

TOWNSHIP 23 SOUTH, RANGE 16 EAST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Adrien J. Rodriguez, Cadastral Surveyor

Under Special Instructions dated January 27, 2003, approved January 27, 2003, which provided for the surveys included under Group No. 900, and assignment instructions dated January 27, 2003.

Survey commenced January 28, 2003

Survey completed January 28, 2003

INDEX DIAGRAM

UNSURVEYED TOWNSHIP 23 SOUTH, RANGE 16 EAST

6	5	4	3	2	1
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T. 23 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of portions of Mineral Survey 1406, Georgia lode, and Mineral Survey 2566, Noonday Mine lode, and the survey of Tract 39, in unsurveyed Township 23 South, Range 16 East, Gila and Salt River Meridian, Arizona.

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

Mineral Survey 1406, Georgia lode, was surveyed by John A. Storm, in 1899. Mineral Survey 2566, Noonday Mine lode, was surveyed by Philip Contzen, in 1909. Mineral Survey 1406, Georgia lode, was dependently resurveyed by Dennis K. McKay, in 1984.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated January 27, 2003, for Group No. 900, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 4400 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. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control, NAD83(1992), was established utilizing static GPS observations post-processed by the National Geodetic Survey's Online Positioning User Service (OPUS). Three Continuously Operating Reference Stations (CORS), SCOTTSDALE CORS ARP, TUCSON CORS ARP and PIETOWN CORS ARP were utilized in the post-processing. The geographic position of Angle Point 1, Tract 39, Township 23 South, Range 16 East, is as follows:

Latitude: 31° 23' 00.26" N. Longitude: 110° 41' 36.40" W.

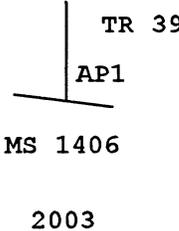
The mean magnetic declination is 11° E.

**Dependent Resurvey of a Portion of M.S. 1406, Georgia lode,
T. 23 S., R. 16 E., Gila and Salt River Meridian, Arizona**

Restoring the resurvey executed by
Dennis K. McKay, Cadastral Surveyor, in 1984

Beginning at cor. 3, M.S. 1406, Georgia lode, monumented with a stainless steel post, 2½ ins. diam., firmly set, projecting

Dependent Resurvey of a Portion of M.S. 1406, Georgia lode,
T. 23 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
12.05	<p>20 ins. above ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd. COR 3 G MS 1406 1984.</p> <p>Add the marks 2003 to the brass cap.</p> <p>S. 81°20' E., on line 3-4, M.S. 1406, Georgia lode.</p> <p>Over rolling land, through juniper, oak and undergrowth.</p> <p>Point for AP 1, Tract 39, occupied with a rebar, ¼ in. diam., 19 ins. long, firmly set, projecting 3 ins. above ground.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 23 ins. in the ground, in a collar of stone, with brass cap mkd.</p> <div style="text-align: center;">  <p>TR 39 AP1 MS 1406 2003</p> </div> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post and place rebar inside stainless steel post.</p> <p>Thence, along line 1-2, Tract 39.</p>
21.19	<p>Point for AP 2, Tract 39, falls in a graded dirt road, 25 ft. wide, bears N. and S. 10° W.</p> <p>Set an iron spike, 1½ ins. long, ¼ in. diam., 2 ins. below surface of graded dirt road, mkd. PK.</p> <p>from which</p> <p style="padding-left: 40px;">A stainless steel post, 28 ins. long, 2½ ins. diam., set 24 ins. in the ground for a reference monument, bears N. 45°00' E., 45.0 ft. dist., with brass cap mkd. RM 45 FT TO COR and an arrow pointing to the corner.</p> <p style="padding-left: 40px;">A stainless steel post, 28 ins. long, 2½ ins. diam., set 26 ins. in the ground for a reference monument, bears S. 45°00' E., 45.0 ft. dist., with brass cap mkd. RM 45 FT TO COR and an arrow pointing to the corner.</p>
22.69	<p>Cor. 4, M.S. 1406 Georgia lode, monumented with a stainless steel post, 2½ ins. diam., firmly set, projecting 10 ins. above ground, mkd. COR 4 G MS 1406 1984, from which a bearing tree reported in 1984</p>

**Dependent Resurvey of a Portion of M.S. 1406, Georgia lode,
T. 23 S., R. 16 E., Gila and Salt River Meridian, Arizona**

CHAINS

A juniper, 7 ins. diam., bears S. $32\frac{1}{2}^{\circ}$ E., 26 lks. dist., with scribe marks 4/1406 BT visible on partially open blaze.

Add the marks 2003 to the brass cap.

**Dependent Resurvey of M.S. 2566, Noonday Mine lode,
T. 23 S., R. 16 E., Gila and Salt River Meridian, Arizona**

Restoring the survey executed by
Philip Contzen, in 1909

From cor. 1, M.S. 2566, Noonday Mine lode, reestablished by Robert L. Feather, Arizona Registered Land Surveyor No. 16814, in 1986, for Coronado National Forest, from the record tie to cor. 4, M.S. 1406, Georgia lode, as shown in Book of Surveys No. 1, Page 62, filed March 22, 1986, in the National Forest Service Office, Tucson, AZ., identical with AP 3, Tract 39, monumented with an aluminum rod, 1 in. diam., firmly set, 2 ins. below surface of graded dirt road, with aluminum cap mkd. COR 1 NOONDAY MS2566 LS16814 1986. This is accepted as a careful and faithful reestablishment of the cor. position, from which reference monuments set by Feather

An aluminum rod, 1 in. diam., firmly set, projecting 10 ins. above ground, bears S. $47^{\circ}33'$ W., 30.0 ft. dist., with aluminum cap mkd. COR1 NOONDAY RM 30.00 FT LS16814 1986 and an arrow pointing to the corner.

An aluminum rod, 1 in. diam., firmly set, projecting 10 ins. above ground, bears N. $89^{\circ}49'$ W., 30.0 ft. dist., with aluminum cap mkd. COR1 NOONDAY RM 30.00 FT LS16814 1986 and an arrow pointing to the corner.

Cor. falls in a graded dirt road, 20 ft. wide, bears S. 10° E. and N. 10° W.

From this cor. point, cor. 4, M.S. 1406, Georgia lode bears S. $37^{\circ}24'$ E., 2.436 chs. (160.8 ft.) dist., hereinbefore described.

N. $0^{\circ}17'$ E., on line 1-2, M.S. 2566, Noonday Mine lode.

Over rolling land, through juniper, oak and undergrowth.

22.84

Cor. 2, M.S. 2566, Noonday Mine lode, perpetuated by Robert L. Feather, Arizona Registered Land Surveyor No. 16814, in 1986, for Coronado National Forest, as shown in Book of Surveys No. 1,

**Dependent Resurvey of M.S. 2566, Noonday Mine lode,
T. 23 S., R. 16 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Page 62, filed March 22, 1986, in the National Forest Service Office, Tucson, AZ., monumented with an aluminum post, 2½ ins. diam., firmly set, projecting 10 ins. above ground, with aluminum cap mkd. COR 2 NOONDAY MS2566 LS16814 1986, from which bearing trees mkd. by Feather</p> <p style="padding-left: 40px;">A juniper, 10 ins. diam., bears S. 41° E., 14 lks. dist., with scribe marks BT1 visible on partially open blaze.</p> <p style="padding-left: 40px;">A juniper, 12 ins. diam., bears S. 46° W., 46 lks. dist., with illegible scribe marks visible on partially open blaze.</p>
	<hr style="width: 20%; margin: 0 auto;"/> <p>N. 89°24' W., on line 2-3, M.S. 2566, Noonday Mine lode.</p> <p>Over rolling land, through juniper, oak and undergrowth.</p>
9.01	<p>Cor. 3, M.S. 2566, Noonday Mine lode, perpetuated by Robert L. Feather, Arizona Registered Land Surveyor No. 16814, in 1986, for Coronado National Forest, as shown in Book of Surveys No. 1, Page 62, filed March 22, 1986, in the National Forest Service Office, Tucson, AZ., falls in S. shoulder of road where the U.S.D.A brass cap could not be recovered, from which reference monuments set by Feather</p> <p style="padding-left: 40px;">An aluminum post, 2½ ins. diam., firmly set, flush with ground, bears S. 0°18' W., 50.0 ft. dist., with aluminum cap mkd. RP2 NOONDAY COR3 MS 2566 LS 16814 50.00 FT 1986 and an arrow pointing to the corner.</p> <p style="padding-left: 40px;">An aluminum post, 2½ ins. diam., firmly set, projecting 10 ins. above ground, bears S. 50°45' W., 40.0 ft. dist., with aluminum cap mkd. RP1 ND3 40.00 FT MS 2566 LS 16814 1986 and an arrow pointing to the corner.</p>
	<hr style="width: 20%; margin: 0 auto;"/> <p>S. 0°22' W., on line 3-4, M.S. 2566, Noonday Mine lode.</p> <p>Over rolling land, through juniper, oak and undergrowth.</p>
22.67	<p>Cor. 4, M.S. 2566, Noonday Mine lode, perpetuated by Robert L. Feather, Arizona Registered Land Surveyor No. 16814, in 1986, for Coronado National Forest, as shown in Book of Surveys No. 1, Page 62, filed March 22, 1986, in the National Forest Service Office, Tucson, AZ., identical with AP 4, Tract 39, monumented with an aluminum post, 2½ ins. diam., firmly set, projecting 18 ins. above ground, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd. COR 4 NOONDAY MS2566 LS16814 1986. This is accepted as a careful and faithful perpetuation of the cor. position, from which the original bearing trees</p>

Dependent Resurvey of M.S. 2566, Noonday Mine lode,
T. 23 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	
9.04	<p>An oak, 20 ins. diam., bears North, 44 lks. dist., with a rotten blaze.</p> <p>A juniper, 20 ins. diam., bears S. 76½° E., 39 lks. dist., with healed blaze.</p> <p>and bearing trees mkd. by Feather</p> <p>A dead juniper, 15 ins. diam., bears S. 31° W., 67 lks. dist., with scribe marks X BT visible on partially open blaze.</p> <p>A mesquite, 9 ins. diam., bears N. 75° W., 26 lks. dist., mkd. with healed blaze.</p> <hr/> <p>S. 88°18' E., on line 4-1, M.S. 2566, Noonday Mine lode, identical with line 4-3, Tract 39.</p> <p>Over rolling land, through juniper, oak and undergrowth.</p> <p>Cor. 1, M.S. 2566, Noonday Mine lode.</p> <hr/> <p style="text-align: center;">Metes-and-Bounds Survey of Tract 39, T. 23 S., R. 16 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From AP 2, Tract 39, on line 3-4, M.S. 1406, Georgia lode, hereinbefore described.</p> <p>N. 0°17' E., on line 2-3, Tract 39, on an extension of line 2-1, M.S. 2566, Noonday Mine lode.</p> <p>Over rolling land.</p>
1.71	<p>AP 3, Tract 39, identical with cor. 1, M.S. 2566, Noonday Mine lode, hereinbefore described.</p> <hr/> <p>From AP 4, Tract 39, identical with cor. 4, M.S. 2566, Noonday Mine lode, hereinbefore described.</p> <p>S. 0°22' W., on line 4-1, Tract 39, on an extension of line 3-4, M.S. 2566, Noonday Mine lode.</p> <p>Over rolling land, through juniper, oak and undergrowth.</p>
0.60	<p>AP 1, Tract 39, on line 3-4, M.S. 1406, Georgia lode, hereinbefore described.</p> <hr/>

T. 23 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS	GENERAL DESCRIPTION
	<p data-bbox="418 359 1409 415">This survey is located near Nogales, Arizona. Elevations range from about 5000 to 6000 feet above sea level.</p> <p data-bbox="418 449 1393 506">The land is extremely rough and mountainous, and covered with oak, juniper, and scattered cacti.</p> <p data-bbox="418 541 1409 569">Access is by way of County Road 82 and Forest Service road 61.</p> <p data-bbox="418 604 1425 722">The mean magnetic declination of 11° E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 2000 for the dates of survey.</p> <hr data-bbox="407 747 1430 751"/>

CERTIFICATE OF SURVEY

I, Adrien J. Rodriguez, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 27th day of January, 2003, I have dependently resurveyed portions of M.S. 1406, Georgia lode and M.S. Survey 2566, Noonday Mine lode and surveyed Tract 39, in unsurveyed T. 23 S., R. 16 E., Gila and Salt River Meridian, 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 Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

March 24, 2003
(Date)

Adrien J. Rodriguez
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of portions of M.S. 1406, Georgia lode and M.S. Survey 2566, Noonday Mine lode and the survey of Tract 39, in unsurveyed T. 23 S., R. 16 E., Gila and Salt River Meridian, Arizona, executed by Adrien J. Rodriguez, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

July 9, 2003
(Date)

Denny D. Ravmbar
(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. 16 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____~~
~~(Date)~~

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