

Form 3400-11
(September 1967)
(formerly 4-683)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number	4714
State	Arizona
Land District	Arizona

Of the Survey of the Mining Claim of *(name and address of Claimant)*

Anamax Mining Company
P.O. Box 127
Sahuarita, Arizona 85629

Known as the *(name of group, if any)*

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
HATTIE FRACTION	3/22/63	5/2/75

Mining district Helvetia			County Pima	
Section 14	Township 18 South	Range 15 East	Meridian G&SR	Survey under order dated 3/28/72 and 5/2/77
Survey commenced 3/28/72		Survey completed 10/1/77	Name of Mineral Surveyor Harvey W. Smith	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

No. 1000

Date of Report

Date of Field Work

Name of Station

Name of Locality

Name of Geologist

Date	Description of Observations
1911	...

Name of Geologist

Name of Assistant

Name of Station

Name of Locality

FEET	
	<p>This survey was made with a Swiss Kern theodolite, Model DKM 1, No. 77769, having horizontal and vertical circles, 50 mm. in diam. The circles are graduated in degrees and 20-minute increments. An optical micrometer, adjustable to the vertical and horizontal circles, permits the reading of angles direct to 10-second accuracy and estimating to one-second accuracy. The instrument was in good condition at the time of the survey and all adjustments were in good order.</p> <p>All azimuths in this record were determined by the method of horizontal-angles-right referred to the meridian determined by the following observation:</p> <p>April 24, 1975, at Cor. No. 4 of the HATTIE FRACTION lode, in latitude $31^{\circ}51'44.8''$N., and longitude $110^{\circ}47'12.1''$W., elevation 4,420 ft. above sea level, and temperature 80°F., make a series of six altitude observations on the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from a reference point about 500 ft. northeastward S.W. to the sun.</p> <p style="text-align: center;"> Mean time of observation, 105th meridian standard time = $16^{\text{h}}02^{\text{m}}30^{\text{s}}$p.m. </p> <p style="text-align: center;"> Declination of sun at mean time of observation = $12^{\circ}54'02.4''$N. </p> <p style="text-align: center;"> Mean observed vertical angle to sun's center = $36^{\circ}22'08''$ </p> <p style="text-align: center;"> Mean horizontal angle from reference point to sun's center = $221^{\circ}09'10''$ </p> <p style="text-align: center;"> True bearing to reference point = $N.41^{\circ}19'E.$ </p> <p>The lines were measured with a Lufkin steel tape, 300 ft. in length, graduated every foot for 299 ft. and the remaining foot graduated to tenths and hundredths; the tape was compared to an Invar standard tape at the beginning of the survey and found to be correct.</p> <p>All lines and connections of this survey were run by direct methods.</p> <p>The magnetic declination observed at each corner of the survey gave a uniform value of $13^{\circ}30'E.$</p> <hr/> <p style="text-align: center;">Mineral Survey No. 4714</p> <hr/>

FEET		
	HATTIE FRACTION LODE	
	At Cor. No. 1 of the HATTIE FRACTION lode.	
	Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X H.F. 1 U.S.M.S. 4714; from which	
	The cor. of secs. 14, 15, 22 and 23, T.18 S., R.15 E., G.&S.R.M., bears S.69°32'51"W., 662.45 ft. dist.; monumented with an iron post, 2 ins. diam., 12 ins. above ground, firmly set, with a brass cap properly mkd., and with a mound of stone, 2 1/2 ft. base, 2 ft. high, S. of cor.	
	A cairn sets adjacent to the iron post.	
	No local bearing objects or bearing trees available.	
	Thence N.22°17'51"W.	
58.39	Intersect line 3-4 M.S. No. 1388A HATTIE lode, at a point from which Cor. No. 4 bears N.38°35'E., 363.60 ft. dist.	
107.62	Intersect line 6-1 M.S. No. 1304 NEWMAN lode, common with line 3-4, M.S. No. 1388A GENERAL lode, at a point from which Cor. No. 1 NEWMAN lode, bears N.67°45'16"E., 577.87 ft. dist. Cor. No. 4 M.S. No. 1388A GENERAL lode, on line 6-1 M.S. No. 1304 NEWMAN lode, bears N.67°45'16"E., 12.60 ft. dist.	
132.42	Cor. No. 2.	
	Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X H.F. 2 U.S.M.S. 4714; from which	
	Cor. No. 4 M.S. No. 1388A GENERAL lode, bears S.49°13'13"E., 27.82 ft. dist.	
	Cor. No. 4, M.S. No. 1388A HATTIE lode, bears N.49°45'09"E., 333.89 ft. dist.	
	A wood post, 4 x 4 ins. in size, 4 ft. above ground, stands adjacent to the iron post.	
	No local bearing objects or bearing trees available.	
	Thence N.67°45'20"E.	
48.18	Lode line; discovery point bears S.22°12'23"E., 26 ft. dist.	

FEET	
90.51	<p>Cor. No. 3.</p> <p>Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X H.F. 3 U.S.M.S. 4714; from which</p> <p style="padding-left: 40px;">Cor. No. 1 M.S. No. 1304 NEWMAN lode, bears N.70°40'E., 488.01 ft. dist.</p> <p style="padding-left: 40px;">A wood post, 4 x 4 ins. in size, 4 ft. above ground, stands adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.27°46'10"E.</p>
15.	Center of unimproved dirt road, 10 ft. wide, bears N.5°W. and S.5°E.
22.44	Intersect line 3-4 M.S. No. 1388A HATTIE lode, at a point from which Cor. No. 4 bears N.38°35'E., 257.54 ft. dist.
24.91	Intersect line 6-1 M.S. No. 1304 NEWMAN lode, at a point from which Cor. No. 1 bears N.67°45'16"E., 484.98 ft. dist.
133.04	<p>Cor. No. 4.</p> <p>Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X H.F. 4 U.S.M.S. 4714; from which</p> <p style="padding-left: 40px;">A cairn stands adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.67°45'20"W.</p>
24.74	Intersect line 4-1 M.S. No. 1388A GENERAL lode, at a point from which Cor. No. 4 bears N.53°44'W., 126.21 ft. dist.
55.19	Lode line; discovery point bears N.22°12'23"W., 106.42 ft. dist.
62.	Center of unimproved dirt road, 10 ft. wide, bears N.10°E. and S.10°W.
103.16	Cor. No. 1, and place of beginning.
Mineral Survey No. 4714	

FEET	AREAS Acres
	Total area, HATTIE FRACTION lode 0.294
	Area in conflict with --
	M.S. No. 1304 NEWMAN lode 0.052
	M.S. No. 1388A GENERAL lode 0.112
	M.S. No. 1388A HATTIE lode 0.193
	M.S. No. 1388A HATTIE lode, exclusive of its conflict with M.S. No. 1304 NEWMAN lode and M.S. No. 1388A GENERAL lode 0.102
	LOCATION
	This survey is located in the SW 1/4 sec. 14, T.18 S., R.15 E., G&SRM. The survey of the HATTIE FRACTION lode is identical with the location or amended location as marked on the ground.
	EXPENDITURES
	The improvements and the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said mining claim by the claimant or its grantors are as follows:
No. 1	The discovery point of the HATTIE FRACTION is on the lode line 26 ft. from a point on line 2-3, 48.18 ft. from Cor. No. 2. Value, None
No. 2	A drill hole, No. A-757, bears S.72°45'E., 62.5 ft. from Cor. No. 2 of the HATTIE FRACTION lode; Size BX, depth 389 ft. Value, \$2,358.93
	OTHER IMPROVEMENTS
	None
	OTHER CORNER DESCRIPTIONS and SUPPLEMENTAL DATA
	M.S. No. 1304 NEWMAN lode: Cors. Nos. 1 and 6 are wood posts 4 x 4 ins., 2 ft. above ground, in a mound of stones. The posts are slightly loose in the ground. The inscribed data are partially identifiable. Line 6-1 was found to be N.67°45'16"E., instead of N.67°41'E., as approved.
	M.S. No. 1388A GENERAL lode: Cors. Nos. 3 and 4 are wood posts 4 x 4 ins., 2 ft. above ground, in a mound of stones. The posts are slightly loose in the ground. The inscribed data are partially identifiable. Cor. No. 1 could not be found. Line 3-4 was found to be N.67°45'16"E., instead of N.67°41'E., as approved. From Cor. No. 4 of GENERAL lode, to Cor. No. 1, M.S. No. 1304 NEWMAN lode, was found to be N.67°45'16"E., 565.27 ft. dist., instead of N.67°41'E., 553.7 ft. dist., as approved.

	FEET	<p>M.S. No. 1388A HATTIE lode: Cors. Nos. 3 and 4 are lost. Cor. No. 4 is calculated at record course and distance from Cor. No. 1, M.S. No. 1304 NEWMAN lode. Line 3-4 is shown as approved.</p>				
		<p style="text-align: center;">FIELD ASSISTANTS</p> <table><thead><tr><th>Name</th><th>Capacity</th></tr></thead><tbody><tr><td>George Erickson</td><td>Instrumentman</td></tr><tr><td>Ted Hilbrands</td><td>Chainman</td></tr></tbody></table>	Name	Capacity	George Erickson	Instrumentman
Name	Capacity					
George Erickson	Instrumentman					
Ted Hilbrands	Chainman					

FEET

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

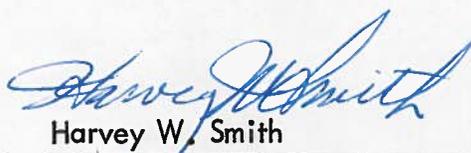
Name of Mineral Surveyor Harvey W. Smith	Date October 1, 1977
--	--------------------------------

I HEREBY CERTIFY That in pursuance of an order received from the Chief, Branch of Cadastral Survey, Bureau of Land Management, at Phoenix, Arizona, dated **March 28, 1972 and May 2, 1977**, I have carefully executed the survey of the claim of **Anamax Mining Company**, known as the (lode, placer, or mill site) **Hattie Fraction Lode**, situated in **Helvetia Mining District, Pima County, Sec. 14**, Township **18 S.**, Range **15 E.**, **Gila and Salt River** Meridian, in the State of **Arizona**.

This survey, designated as number **4714**, has been executed by me and under my direction and has been made in strict conformity with said order, the Manual of Instructions for the Survey of Public Lands of the United States, and in specific manner described in the foregoing field notes.

I FURTHER CERTIFY That the labor expended and improvements made upon and for the benefit of the (lode or placer) **Hattie Fraction Lode** location(s) embraced in the said mining claim by claimant(s) or its grantors are fully stated in my report. The character, extent, location, and itemized value are specified in full detail. No portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

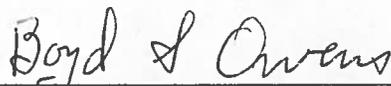
Paradise Valley, Arizona
(Location)


Harvey W. Smith
(Signature of Mineral Surveyor)

CERTIFICATE OF APPROVAL

Office Arizona State Office
Location Phoenix, Arizona
Date April 5, 1979

The foregoing field notes of mineral survey number **4714**, in **Section 14**, Range **15 E**, **Gila and Salt River** Meridian, in the State of **Arizona**, surveyed unsurveyed Township **18 S.**, executed by **Harvey W. Smith** Amended, Mineral Surveyor, under order dated **March 28, 1972/ & May 2, 1977**, having been critically examined and the necessary corrections made prior to their certification by the surveyor, the field notes and the survey therein described are hereby approved.


Boyd S. Owens
(Authorized Signature)

Chief, Branch of Cadastral Survey
(Title)

CERTIFICATE OF TRANSCRIPT

I HEREBY CERTIFY That the foregoing transcript of field notes of the above-described mineral survey number _____ is a true copy of the original field notes.

(Authorized Signature)

(Title)

