

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4490

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Banner Mining Company

Known As The

Taurus Fraction Lode

Pima Mining District,

Pima County, Arizona

Section 1, Township 18S., Range 12E.

Surveyed under order dated May 20, 19 59

by Harvey W. Smith  
Mineral Surveyor.

Claim located October 4, 19 55

Survey commenced July 15, 19 59

Survey completed July 20, 19 60

Address of claimant P.O. Box  
Tucson, Arizona

DATES OF AMENDED LOCATIONS

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SURVEY NO. 4490

(1)

Chains

This survey was made with a C.L. Berger & Sons transit, No. 15045, with horizontal limb  $6\frac{1}{2}$  ins. diam., having two double opposite verniers and full vertical circle 5 ins. diam. having one double opposite vernier; the verniers read to one minute of arc. The instrument is equipped with a colored eye-shade to be attached for making direct observations on the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of horizontal-angles-right referred to the meridian established by the following direct observation on the sun: At 9:10 AM on July 24, 1959 at Cor. No. 1 of the Taurus Fraction lode, Latitude  $31^{\circ}52'12''$ N., Longitude  $111^{\circ}04'14''$ W., turning from a reference pt. about 90 ft. southwest clockwise to the sun in an east direction.

True bearing of reference pt.  
S.  $83^{\circ}05'$ W.

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 a standard at the beginning of the survey and found to be correct.

All lines and connections of this survey were run by direct methods. The magnetic declination observed at each corner of the survey gave a uniform value of  $13^{\circ}30'$ E.

TAURUS FRACTION LODE

At Cor. No. 1 of the Taurus Fraction lode, identical with Cor. No. 1, Sur. No. 2030, Senator Morgan No. 2 lode. Found a mound of stones with a wooden post in center.

Set a galvanized iron post, 18 ins. long,  $\frac{3}{4}$  in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post; mkd. MS 4490 T F 1 2030 SM 2 1X; from which

The S.  $\frac{1}{4}$  cor. of sec. 1, T. 18S., R. 12E., G. & S. R. B. & M. bears S.  $83^{\circ}05'$ W., 91.75 ft.

dist.; a stone, 6x8 ins. in size, 5 ins. above ground, properly marked;  $\frac{1}{2}$  X.

Cor. No. 1, Sur. No. 4493, Taurus lode, bears N.  $62^{\circ}32'$ W., 842.51 ft. dist.

Cor. No. 4, Sur. No. 4493, Taurus lode, bears N.  $35^{\circ}59'$ W., 1220.68 ft. dist.

Chains Feet	
924.64	<p>unapproved            A mound of stones constructed adjacent to the            iron post.            Thence N. 63° 23' W. 83.19 ft. dist.            Intersect line 1-2, Sur. 4493, Taurus lode at a point from            which Cor. No. 1 bears S. 71° 59' E., 83.19 ft. dist.</p>
1500.0	<p>Cor. No. 2, on line 5-1, Sur. No. 2030, Senator Morgan No. 2            lode.            Set a galvanized iron post, 18 ins. long, 3/4 in. diam.,            in a 15 pound concrete and rock base, 12 ins. in the            ground, with a brass cap, 2 ins. diam. firmly fastened            within the iron post; mkd. MS 4490 T F 2 X; from which            A mound of stones constructed adjacent to            the iron post.</p>
301.82	<p>Thence N. 11° 04' E. 1450.0 ft. dist.            Lode line; discovery pt. bears S. 63° 23' E., 1450.0 ft. dist.</p>
375.16	<p>unapproved            Intersect line 3-4, Sur. No. 4493, Taurus lode at a point            from which Cor. No. 4 bears S. 84° 34' E., 554.33 ft. dist.</p>
525.0	<p>Right bank dry wash, 12 ft. wide, course, east.</p>
603.63	<p>Cor. No. 3.            Set a galvanized iron post, 18 ins. long, 3/4 in. diam.,            in a 15 pound concrete and rock base, 12 ins. in the            ground, with a brass cap, 2 ins. diam., firmly fasten-            ed within the iron post; mkd. MS 4490 T F 3 X; from            which</p>
1500.0	<p>A mound of stones constructed adjacent to the            iron post.            Thence S. 63° 23' E. 1450.0 ft. dist.</p>
1500.0	<p>Cor. No. 4.            Set a galvanized iron post, 18 ins. long, 3/4 in. diam.,            in a 15 pound concrete and rock base, 12 ins. in the            ground, with a brass cap, 2 ins. diam., firmly fasten-            ed within the iron post; mkd. MS 4490 T F 4 X; from            which</p>
	<p>A mound of stones constructed adjacent            to the iron post.            Thence S. 11° 04' W.</p>

Chains  
Feet

No. 6

A pit, the SE. cor. of which bears N. 52° W., 760 ft. dist. from Cor. No. 1 of the Taurus Fraction lode; 8x6 ft., 7 ft. deep.

Value, \$170.

OTHER IMPROVEMENTS

None

(b) OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Sur. 2030, Senator Morgan No. 2 lode; Cor. No. 1 was a mound of stones with a wooden post, 4x4 ins., 4 ft. above ground in the center. No permanent markings were found. Cor. No. 5 identical with Cor. No. 3, Senator Morgan lode of the same survey was a mound of stones with a wooden post, 4x4 ins., 4 ft. above ground in the center. No permanent marker was found. Line 5-1, Senator Morgan No. 2 lode was found to be S. 63° 23' E., 1514.37 ft. instead of S. 63° 30' E., 1500.0 ft. as approved.

unapproved

Sur. No. 4493, Taurus lode; Cors. 1 and 4 are iron posts with brass caps, properly marked. Line 4-1 was found to be S. 2° 54' W., 600.0 ft. Line 1-2 was found to bear N. 71° 59' W. and line 3-4 to bear S. 84° 34' E.

FIELD ASSISTANTS

Name

Capacity

Russell Hart

Chainman

Richard Cleveland

Axeman

Chains- Feet	
20.	Left bank of a wash, 12 ft. wide, course east.
301.81	Lode line; discovery pt. bears N.63°23'W., 50.0 ft. dist.
603.63	Cor. No.1 and place of beginning.

## IMPROVEMENTS

	Acres
Total area Taurus Fraction lode	20.025
Area in conflict with Sur. No. 4493, Taurus lode (unapproved)	6.639

## LOCATION

This survey is located in the SE $\frac{1}{4}$  & SW $\frac{1}{4}$ , Sec.1, T. 18S., R.12E., G.&S.R.:B.&M.

The survey of the Taurus Fraction lode is identical with its 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 monument of the Taurus Fraction lode is on the lode line, 50.0 ft. from a pt. on line 4-1, 301.81 ft. from Cor. No.4.	Value, None
No.2	A pit, the SE. cor. of which bears north, 295 ft. dist. from Cor. No.1 of the Taurus Fraction lode; 4x6 ft., 10 ft. deep.	Value, \$200.
No.3	A pit, the SE. cor. of which bears N.28° W., 495 ft. dist. from Cor. No.1 of the Taurus Fraction lode; 6x6 ft., 10 ft. deep.	Value, \$220.
No.4	An adit, the portal of which bears N.33° W., 670 ft. dist. from Cor. No.1 of the Taurus Fraction lode; 4x4 ft., running N.80° E., 15 ft.	Value, \$175.
No.5	A pit, the SE. cor. of which bears N.47° 30' W., 755 ft. dist. from Cor. No.1 of the Taurus Fraction lode; 9x6 ft., 5 ft. deep.	Value, \$140.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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CERTIFICATE OF SURVEYOR

August 30, 1960

I, Harvey W. Smith,  
 Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the \_\_\_\_\_  
Cadastral Engineer, at Phoenix, Arizona  
 dated May 20, 1959, I have faithfully and correctly executed the survey of  
 the mining claim of Banner Mining Company,  
 known as the Taurus Fraction Lode  
(Lode, placer, or mill site)  
 situate in Pima Mining District, Pima County, Sec. 1  
18 S., 12 E., G.&S.R.B.& Meridian, Arizona, and  
(State)  
 designated as Survey No. 4490, which is 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 order,  
 the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner  
 described in the foregoing field notes, and I do further certify that the labor expended and improvements made  
 upon or for the benefit of the Lode location(s) embraced in the said mining claim by  
(Lode or placer)  
 claimant(s) or its grantors are fully stated in my report therein, and that the character,  
 extent, location, and itemized value thereof are specified therein with particularity and full detail, and that 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.

Scottsdale, Arizona  
(Place)

Harvey W. Smith  
(Mineral Surveyor)  
 Harvey W. Smith

CERTIFICATE OF APPROVAL

Bureau of Land Management, Survey Office  
(Office)  
Phoenix, Arizona June 8, 1961  
(Place) (Date)

The foregoing field notes of mineral survey No. 4490, in Pima Mining District  
Sec. 1, T. 18 S., R. 12 E., Gila & Salt River Meridian,  
Arizona, executed by Harvey W. Smith, Mineral Surveyor,  
(State)  
 under order dated May 20, 1959, 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.

Fred J. Weiler  
 Fred J. Weiler  
 State Director  
(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. \_\_\_\_\_  
is a true copy of the original field notes.

\_\_\_\_\_  
 \_\_\_\_\_  
(Title)

