

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE



MINERAL SURVEY NO. 4376

TRADER LODE

ARIZONA Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Eunice M. Eldredge, and D. F. Eldredge

Known As The

Trader lode claim

Hartford Mining District,

Cochise County, Arizona

Section 32, Township 23 South, Range 21 East, G&SRM, Arizona

Surveyed under instructions dated April 28, 1953

by Robert Lenon  
U. S. Mineral Surveyor.

Claim located November 15, 1930

Survey commenced May 6, 1953

Survey completed May 12, 1953

Address of claimant H.W. Beumler, Atty, Douglas, Ariz.

DATES OF AMENDED LOCATIONS

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE

MINERAL SURVEY NO. 1

FIELD NOTES

Of the Survey of the Mining District of

Known as the

Mining District

Section Township Range

Government and land sections dated

U. S. Mineral Survey

Date located  
Survey completed  
Address of claimant

DATE OF AMENDED LOCATION

## Survey No. 4376

Mineral Survey No. 4376 was made with a Bausch & Lomb Precise Transit No. 9259, with horizontal limb 5-1/2 inches in diameter, having two single opposite verniers, and full vertical circle 4-1/2 inches in diameter, having two double opposite verniers, all verniers reading to one minute of arc. 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 deflection angles referred to the meridian determined by the following observation:

May 6, 1953, at the southerly quarter-corner of Sec. 32, T. 23 S. R. 21 E., G. & S. R. B. & M., Arizona, in Latitude  $31^{\circ} 22' 45''$  N, and Longitude  $110^{\circ} 13'$  W, I made a series of four altitude observations upon the sun for azimuth at approximately equal time intervals, two each with the telescope in direct and in inverted positions, observing opposite limbs of the sun, and reading the horizontal angles from a point set on the Easterly prolongation of the southerly line of the SW<sup>1/4</sup> of said Sec. 32, about 2500 feet easterly, to the sun.

Mean time of observations,  
105th Meridian Std. Time:      4:16 PM              4:21 PM

Declination of sun at mean  
time of observation:               $16^{\circ} 39.7'$  North

Mean vertical angles, ob-  
served to sun's center:           $34^{\circ} 27.5'$                $33^{\circ} 17.5'$

Mean observed horizontal angles  
to sun's center, clockwise  
from the reference point:  $179^{\circ} 16'$                $179^{\circ} 59.5'$

True bearing to reference point  
(equals bearing of southerly  
line of the SW<sup>1/4</sup> of Sec. 32):      S  $89^{\circ} 54'$  E

The lines were measured with a Lufkin steel tape 300 feet in length graduated every foot, with the end feet graduated to tenths, and a Lufkin steel tape 100 feet in length, graduated to feet, tenths, and hundredths. Both tapes were compared with a Chicago standard at the time of beginning the survey, and found to be correct.

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

## Survey No. 4376

Feet

## TRADER LODE

At Cor. No. 1 of the Trader lode, identical with the SW corner of the Prince placer, patented, found a mound of stone on the southerly line of Sec. 32; T. 23 S., R. 21 E., G. & S. R. B. & M.

Replaced a wooden stake in said monument with a marble stone, 5x12x36 ins., 18 ins. in the ground, mkd. X-T-1-4376; from which

The quarter-corner on the southerly line of the said Sec. 32 bears N  $89^{\circ} 54'$  W, 646.0 ft. dist.; a stone, firmly set and properly marked.

Cor. No. 1, Survey No. 4370, Ash lode bears N.  $7^{\circ} 25'$  W., 205.66 ft. dist.



Feet	<p>An oak, 6 ins. diam., bears S 16° 45' E, 11.7 ft. dist., Mkd. T-1-X-4376-BT</p> <p>Raise a mound of stone alongside corner.</p> <p>Thence N 0° 31' W</p>
300.0	<p>Lode line; discovery point bears S 88° 53' W, 1,291.0 ft. dist.</p> <p>Set a 3/4 in. iron pipe flush with the ground and raise a mound of stone alongside.</p>
468	Gulch, 4 ft. wide; course East
600.0	<p>Cor. No. 2</p> <p>Set a lime stone, 8x10x24 ins., 12 ins. in the ground, mkd. X-T-2-4376; from which</p> <p>A double-trunked black oak, 16 ins. in diam., bears N 83° 30' W, 12.7 ft. dist., mkd. T-2-X-4376-BT</p> <p>The NW corner of the Prince placer, patented, bears N 0° 31' W, 60.0 ft. dist.</p> <p>Raise a mound of stone alongside corner.</p> <p>Thence S 87° 21' W</p>
137	Barbed-wire fence; course North-South.
1,500.95	<p>Cor. No. 3</p> <p>Set a rhyolite stone, 8x12x30 ins., 16 ins. in the ground, mkd. X-T-3-4376, from which</p> <p>A black oak, 6 ins. in diam., bears S 61° 00' E, 33.1 ft. dist., mkd. T-3-X-4376-BT</p> <p>Raise a mound of stone alongside corner.</p> <p>Thence S 0° 31' E</p>
260.0	<p>Lode line; discovery point bears N 88° 53' E, 209.0 ft. dist.</p> <p>Set a 3/4 in. iron pipe flush with the ground and raise a mound of stone alongside.</p>
528.0	<p>Cor. No. 4, lying on the southerly line of said Sec. 32.</p> <p>Set a steel nail with a brass washer on the top of a rhyolite boulder in place, 18x24x36 ins., 6 ins. above ground, mkd. T-4-4376, from which</p> <p>A white oak, 6 ins. diam., bears S 21° 00' E, 15.5 ft. dist., mkd. T-4-X-4376-BT</p> <p>A mound of stone bears S 17° 50' E, 44 ft. dist.</p> <p>A corner of the location bears S 55° 00' W, 51 ft. dist., a mound of stone.</p> <p>Thence S 89° 54' E</p>
12.7	<p>Intersect line 3-4, Sur. No. 4370, Ash lode, at a point from which Cor. No. 4 bears N 0° 26' E, 221.7 ft. dist.</p> <p>From Cor. No. 4 Sur. 4370 Ash lode Cor. No. 1 of said lode bears S. 89 12' E., 1459.2 ft. dist.</p>

## Survey No. 4376

Feet	Set a 3/4 inch iron pipe flush with the ground.
526	Face of open cut, 8 ft. face; running S 80° W, 16 ft. to face.
529	Center of shaft, 13 ft. deep, sunk in face of open cut.
829.9	Northerly quarter-corner, Sec. 5; T. 24 S., R. 21 E.; a brass-capped iron GLO pipe, firmly set and properly marked.
854.0	Southerly quarter-corner, Sec. 32; T. 23 S., R. 21 E.; a granite stone, firmly set, mkd. "1/4" on North face; stone mound alongside.
1419	Barbed-wire fence; course North-South; turns Easterly at a point 5 ft. distant Southerly from this point.
1474.5	Intersect line 1-2, Sur. No. 4370, Ash lode, at a point from which Cor. No. 1 bears N 0° 18' W, 203.9 ft. dist.; and Cor. No. 2 bears S 0° 18' E, 394.2 ft. dist.
	Set a 3/4 in. iron pipe flush with the ground.
1500.0	Cor. No. 1, and place of beginning.

## AREAS

Acres

Total area, Trader lode..... 19.421

Area in conflict with Sur. 4370, Ash lode..... 7.135

## LOCATION

This survey is located in the S<sup>2</sup>S<sup>2</sup>, Sec. 32, T. 23 S., R. 21 E., Gila and Salt River Base and Meridian, Cochise County, Arizona; line 4-1 falling along the southerly line of said Sec. 32. The survey of the Trader lode is identical with the location as marked on the ground, except for Cor. No. 4, which differs to the extent previously shown.

## EXPENDITURE OF \$500.

I certify that the value of the labor and improvements made upon the lode location embraced by this mining claim by the claimants or their grantors is not less than \$500., and that such improvements consist of:

- No. 1 The discovery cut of the Trader lode, the center of the face being the discovery point, is on the lode-line 1, 291.0 ft. from the center of line 1-2; a cut 40 ft. in length, maximum height of face, 5 ft.  
Value, \$200.
- No. 2 An open cut; 5 ft. wide, the face of which bears S 5° 30' E, 243 ft. from Cor. No. 3; runs S 45° E, 5 ft. to 2 ft. face.  
Value, \$15.
- No. 3 A sidehill trench, 6 ft. wide, the center of which bears S 7° 15' E, 298 ft. from Cor. No. 3; runs East-West, 20 ft.; maximum height of face, 4 ft.  
Value, \$125.
- No. 4 An open cut, 6 ft. wide, the face of which bears S 24° 00' E, 303 ft. from Cor. No. 3; runs South, 12 ft. to 4 ft. face.  
Value, \$50.
- No. 5 An open cut, 6 ft. wide, the face of which bears S 40° 45' E, 417 ft. from Cor. No. 3; runs South, 25 ft. to 6 ft. face.  
Value, \$150.

## Survey No. 4376

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| No. 6  | An open cut, 5 ft. wide, the face of which bears S 44° 45' E, 395 ft. from Cor. No. 3; runs South, 10 ft. to 2 ft. face.<br>Value, \$50.    |
| No. 7  | An open cut, 6 ft. wide, the face of which bears S 45° 00' E, 412 ft. from Cor. No. 3; runs South, 15 ft. to 4 ft. face.<br>Value, \$100.   |
| No. 8  | An open cut, 5 ft. wide, the face of which bears S 56° 30' E, 315 ft. from Cor. No. 3; runs South, 10 ft. to 2 ft. face.<br>Value, \$50.    |
| No. 9  | An open cut, 6 ft. wide, the face of which bears S 65° 30' E, 363 ft. from Cor. No. 3; runs S 35° E, 30 ft. to 9 ft. face.<br>Value, \$250. |
| No. 10 | A shaft, 6x6 ft., 18 ft. deep, the center of which bears S 87° 00' E, 432 ft. from Cor. No. 3.<br>Value, \$300.                             |
| No. 11 | An open cut, 8 ft. wide, the face of which bears S 86° 30' E, 390 ft. from Cor. No. 3; runs South, 6 ft. to 3 ft. face.<br>Value, \$25.     |
| No. 12 | An open cut, 8 ft. wide, the face of which bears N 89° 00' E, 386 ft. from Cor. No. 3; runs South, 6 ft. to 3 ft. face.<br>Value, \$25.     |
| No. 13 | A shaft, 4 x 5 ft., 10 ft. deep, the center of which bears S 84° 15' W, 345 ft. from Cor. No. 2.<br>Value, \$150.                           |

## OTHER IMPROVEMENTS

A shaft, the center of which is on line 4-1, 529 ft. from Cor. No. 4; 6x6 ft., 13 ft. deep, sunk in the face of an open cut, the center of the face of which being on line 4-1, 526 ft. from Cor. No. 4; runs S 80° W, 16 ft. to 8 ft. face.  
Claimant of each unknown.

## OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Prince placer, patented: NW corner is a mound of stone. No markings or accessories found.

SW cor., Sec. 32 is a stone, firmly set and properly marked.

NW cor., Sec. 5 is a brass-capped iron GLO pipe, firmly set and properly marked.

Sur. No. 4370, Ashlode: Cor. No. 1 was found to have been recently moved from its record location. Set a 3/4 in. iron pipe in the hole left by the removal of the original pipe in the center of a stone mound. No other accessories found. Cors. Nos. 2 and 3 are brass-capped pipes firmly set and properly marked. Cor. No. 4 was found to have been recently moved from its record location. Set a 3/4 in. iron pipe in the hole left by the removal of the original pipe in the center of a stone mound. No other accessories found.

Line 1-2 was found to be S 0° 18' E, 598.1 ft., instead of S 0° 02' E, 600.0 ft., as approved. Line 3-4 was found to bear N 0° 26' E, instead of N 0° 02' W, as approved. Line 4-1 was found to be S 89° 12' E, 1,459.2 ft., instead of S 89° 56' E, 1,500.0 ft., as approved.

## NAMES OF ASSISTANTS, AND THEIR CAPACITIES

The assistants employed to assist in running, measuring, and marking the lines, corners, and boundaries described in the foregoing field notes of Sur. No. 4376 were: Raymond C. Taylor, Chainman; and Frank Vasquez, Axman.




UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

I, Robert Lenon, Mineral Surveyor,  
 hereby certify upon honor that in pursuance of an order received from the  
Bureau of Land Management, at Albuquerque, New Mexico,  
 dated April 28, 1953, I have faithfully and correctly executed the survey  
 of the mining claim of Eunice M. Eldredge and D. F. Eldredge  
 known as the Trader lode  
 (lode, placer, or millsite)  
 situate in Section 32  
T. 23 S., R. 21 E.,  
Gila and Salt River Meridian, Arizona, and designated  
 (State)  
 as Survey No. 4376, which is represented in the fore-  
 going 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 ex-  
 pended and improvements made upon or for the benefit of the Trader lode  
 (lode or placer)  
 location— embraced in the said mining claim by claimant— or their 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.

Patagonia, Arizona  
(Place)

June 11, 1953  
(Date)



(Mineral Surveyor)





CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF  
MINING CLAIM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
~~PUBLIC SURVEY OFFICE~~  
Division of Cadastral Engineering

At Albuquerque, New Mexico

August 27, 1953

I, Office Cadastral Engineer at Albuquerque, New Mexico

do hereby certify that the forgoing and hereto attached Field Notes and return of the Survey of the  
Mining Claim of Eunice M. Eldredge and D. F. Eldredge

.....  
....., known as the

Traderlode claim

situate in Hartford ..... mining district,

Cochise County, Arizona

in Section 32 ....., Township No. 23 South ....., Range No. 21 East,

G&SRM, Arizona ....., designated as Survey No. 4376

executed by Robert Lenon ....., Mineral

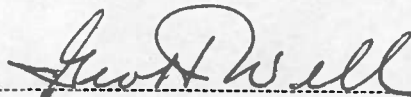
Surveyer, May 6 to May 12, 1953 ....., 19 ....., under my instructions dated

April 28, 1953 ....., 19 ....., have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

included and made a part of these field notes.



Geo. H. Well, Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF  
MINING CLAIM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
WASHINGTON, D. C.

Office of the District Engineer, New Mexico

Albuquerque, New Mexico

Office of the District Engineer, New Mexico

Whereas, the following named persons have filed with the Bureau of Land Management, New Mexico, certain field notes and survey of the

mining claim of \_\_\_\_\_ and \_\_\_\_\_

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