

Form 4-683
(January 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number
4664
State
Arizona
Land District
Arizona

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

Chemi-Cote Perlite Corporation
3815 North 55th Place
Phoenix, Arizona 85018

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

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

| NAME OF LOCATION | DATE | |
|------------------|---------|---------|
| | LOCATED | AMENDED |
| Mary T. | 4/22/44 | |

| | | | | |
|------------------------------|-----------------|-----------------------------|---|--------------------------------------|
| Mining district Pioneer | | | County Pinal | |
| Sections 8 & 9 | Township 2S. | Range 12E | Meridian G. & S.R. | Survey under order dated 11/29/67 |
| Survey commenced 11/29/67 | | Survey completed 12/4/67 | Name of Mineral Surveyor Harvey W. Smith | |

FEET

This survey was made with a Swiss Kern theodolite, Model DKM1, No. 77769, having horizontal and vertical circles, 50 mm. in diam. The circles are graduated in degrees and twenty-minute increments. An optical micrometer, adjustable to the vertical and horizontal circles, permits the reading of angles, direct to 10 seconds accuracy. 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 direct observation on the sun. At 10:15:00 A.M. on December 30, 1967 at Cor. No. 1 of the Mary T. Lode, latitude $33^{\circ}15'56.7''$ N., longitude $110^{\circ}08'09.6''$ W., turning from a reference point about 300 ft. southerly, clockwise to the sun in a southeast direction.

True bearing of reference point $S.9^{\circ}59'20''E.$

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. One additional foot at the zero end is also graduated in tenths and hundredths. The tape was compared to a standard 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 14° East.

Mary T. LODE

At cor. No. 1 of the Mary T. lode.

Set an iron post, $3/4$ in. diam., 30 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4664 M.T.1X; from which

The $1/4$ cor. of secs. 8 and 9, T.2S., R.12E., G. & S.R.M., bears $N.1^{\circ}49'55''E.$, 813.68 ft. dist.; a stone, 8x8 ins. in size, 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

A mound of stones adjacent to the iron post.

Thence $N.84^{\circ}57'E.$

| FEET | |
|--------------------------------------|--|
| <p>710.0 1503.45</p> | <p>Unimproved road bears N.20°E. and S.20°W. Cor. No. 2</p> <p>Set an iron post, 3/4 in. diam., 30 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4664 M.T. 2X; from which</p> <p>A mound of stones adjacent to the iron post. A corner of the location bears East, 175.0 ft. dist. Thence S.13°22'25"E.</p> |
| <p>248.50 548.09</p> | <p>Lode line; discovery cut bears S. 83°04'W., 998.67 ft. dist.</p> <p>Cor. No. 3</p> <p>Set an iron post, 3/4 in. diam., 30 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4664 M.T. 3X; from which</p> <p>A mound of stones adjacent to the iron post. A corner of the location bears S.65°E., 29 ft. dist. Thence S.83°16'15"W.</p> |
| <p>1497.68 294.18 592.43</p> | <p>Cor. No. 4</p> <p>Set an iron post, 3/4 in. diam., 30 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4664 M.T. 4X; from which</p> <p>A mound of stones adjacent to the iron post. Thence N.13°22'25"W.</p> <p>Lode line; discovery cut bears N.83°04'E., 500 ft. dist.</p> <p>Cor. No. 1, and place of beginning.</p> |
| | <p>Survey No. 4664</p> |
| | <p>AREAS</p> |

| FEET | ACRES | | | | |
|--------------------|---|------|----------|--------------------|-----------------|
| | <p>Total area Mary T. lode 19.475</p> | | | | |
| | <p>LOCATION</p> <p>This survey is located in the SE. 1/4 sec. 8 and SW. 1/4 sec. 9, T.2S., R.12E., G. & S.R.M.</p> <p>The survey of the Mary T. lode is wholly within the location as marked on the ground; Cors. Nos. 1 and 4 are identical with corners of the location; Cors. Nos. 2 and 3 differ to the extent previously shown.</p> | | | | |
| | <p>EXPENDITURES</p> <p>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 his grantors are as follows:</p> | | | | |
| <p>No. 1</p> | <p>The discovery cut of the Mary T. lode is on the lode line, the NW. cor. of which bears S.74°30'E, 522.0 ft. dist. from Cor. No. 1; 230 ft. wide, from 0 to 25 ft. deep and running S.10°E., 360 ft.</p> <p style="text-align: right;">Value, \$25,000.00</p> | | | | |
| | <p>OTHER IMPROVEMENTS</p> <p>None</p> | | | | |
| | <p>OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA</p> <p>None</p> | | | | |
| | <p>FIELD ASSISTANTS</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Capacity</th> </tr> </thead> <tbody> <tr> <td>Theodore Hilbrands</td> <td>Chainman-Axeman</td> </tr> </tbody> </table> | Name | Capacity | Theodore Hilbrands | Chainman-Axeman |
| Name | Capacity | | | | |
| Theodore Hilbrands | Chainman-Axeman | | | | |

SURVEY NO. 1000

3.

| | FEET | | |
|--|--------|---|-------|
| | 10.175 | Total area Mary T. Lodge | |
| | | <p>LOCATION</p> <p>This survey is located in the SW 1/4 sec. 8 and SW 1/4 sec. 9, T.22S., R.12E., G. 2, N.M.</p> <p>The survey of the Mary T. Lodge is wholly within the location as marked on the original Gore Nos. 1 and 2 and is identical with corners of the location; Gore Nos. 2 and 3 differ to the extent previously shown.</p> | |
| | | <p>EXEMPTIONS</p> <p>The improvements and the value of the labor and improvements made upon or for the benefit of each of the Lodge locations embraced in said mining claim by the claimant or his transferees are as follows:</p> | |
| | | <p>The discovery pit of the Mary T. Lodge is on the Lodge line, the NE. cor. of which bears S. 70° 00' E. 522.0 ft. dist. from Cor. No. 1; 230 ft. wide, from 0 to 25 ft. deep and running S. 10° E. 360 ft.</p> <p>Value, \$25,000.00</p> | No. 1 |
| | | <p>OTHER IMPROVEMENTS</p> <p>None</p> <p>OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA</p> <p>None</p> | |
| | | <p>FIELD ASSISTANTS</p> <p>Capacity</p> <p>Operator - A. ...</p> | |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

| | |
|--|------------------------|
| Name of Mineral Surveyor Harvey W. Smith | Date 12/5/67 |
|--|------------------------|

I HEREBY CERTIFY That in pursuance of an order received from the Chief, Div. of Engineering Bureau of Land Management, at Phoenix, Arizona, dated Nov. 29, 1967, I have carefully executed the survey of the claim of Chemi-Cote Perlite Corporation, known as the (lode, placer, or mill site) Mary T. Lode, situated in the Pioneer Mining District, Pinal County, Secs. 8 & 9 Township 2S., Range 12E., G. & S.R. Meridian, in the State of Arizona.

This survey, designated as number 4664, 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 the 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) lode location(s) embraced in the said mining claim by claimant(s) or their 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.

Scottsdale, Arizona
(Location)

Harvey W. Smith
(Signature of Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management
Office
Arizona State Office
Location
Phoenix, Arizona
Date
February 28, 1968

The foregoing field notes of mineral survey number 4664, in Sections 8 and 9 Township 2 S., Range 12 E., Gila and Salt River Meridian, in the State of Arizona, executed by Harvey W. Smith, Mineral Surveyor, under order dated November 29, 1967, 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. Weller
(Authorized Signature)
Fred J. Weller

State Director
(Title)

CERTIFICATE OF TRANSCRIPT

I 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)

Title 18, U. S. C. section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

