



## United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
State Office  
3022 Federal Building  
Phoenix, Arizona 85025

IN REPLY REFER TO

9183.1 (E)  
M.S. #2966 and  
M.S. #2967

February 4, 1971

## Memorandum

To : Chief, Division of Engineering, ASO  
From : Paul G. Bauer, Cadastral Surveyor  
Subject: Location of Mineral Survey #2966 Black Diamond Lode and  
Mineral Survey #2967 Isabel Lode

I, Paul G. Bauer, was instructed by your memorandum of January 29, 1971, to make a field check of the location of Mineral Survey #2966 Black Diamond lode and Mineral Survey #2967 Isabel lode, in Township 20 South, Range 14 East, Gila & Salt River Meridian, Arizona.

This field check was completed February 1, 1971, and following is a complete report of my findings:

Cor. No. 4, M.S. #2967 Isabel lode, is determined from the remains of the bearing rocks; point for the cor. is located on the west side of a wash, draining N.

from which

A bearing rock, on exposed ledge, approximately 6 x 5 x 3 ft. in size, bears S. 45°30' W., 6 ft. dist., marked 4-2967 BR. (record size 3 x 2 x 1 ft.).

A bearing rock, on exposed ledge, approximately 4 x 3 x 2 ft. in size, bears N. 41° W., 4 ft. dist., with the face of the rock ledge crumbled to such an extent that no markings were visible.

The  $\frac{1}{4}$  sec. cor. of secs. 20 and 29, T. 20 S., R. 14 E., G&SR M., Arizona, bears N. 1°42' E., 7.95 chs. dist., monumented by an iron post, 1 in. diam., projecting 12 ins. above ground, firmly set in a collar of stone and with a steel fence post and F.S. marker alongside, brass cap marked

$\frac{1}{4}$   $\frac{S20}{S29}$   
1923

The  $\frac{1}{4}$  sec. cor. of secs. 20 and 29, is located about 50 lks. west of the same wash near Cor. No. 4 of M.S. #2967 Isabel lode and about 3.00 chs. south of a graded road bearing easterly to Mt. Hopkins and westerly down Montosa Canyon.

The Isabel lode is bounded on the south by Mineral Survey #2966 Black Diamond lode.

*Paul G. Bauer*

cc: Field Notes (M.S. #2966)  
" " (M.S. #2967)  
" " (T. 20 S., R. 14 E.)  
Land Office Manager  
U.S. Forest Service, Albuquerque, New Mexico

UNITED STATES GOVERNMENT

Department of Agriculture—Forest Service  
Phoenix, Arizona 85025**Memorandum**

TO : Engineering Branch, BLM  
Department of the Interior

FROM : Gordon Long, Cadastral Surveyor  
Land Line Location - Forest Service

SUBJECT: Mineral Surveys -  
Black Diamond and Isabel Lodes

File No. 7150

Date: February 12, 1968

Your reference:

Adrian Hill, Patagonia District Forest Ranger, was contacted by local residents, who stated that the location of Mineral Surveys Nos. 2966 and 2967, Black Diamond and Isabel Lodes, on BLM Status Plats, Forest Service Maps and Ownership Patents, is incorrect. The status plats show claims in sec. 20, T. 20 S., R. 14 E. The claims actually lay in sec. 29.

The Forest Service Zone Land Line Location crew located a bearing rock for Corner No. 4 of Mineral Survey 2967, which is an exposed rock ledge, 6'x3'x5' (3'x2'x1'-record) chiseled x 4 2967 BR on the east face. The other bearing rock (2'x2'x1'-record) was not recovered as the ledge on the north of the found bearing rock has crumbled. A recent mound of stone with a 2"x4" post in the center makes recognition of the original point for the MS impossible, so the tie was made to the original bearing rock. From the bearing rock for Corner No. 4 MS 2967, the  $\frac{1}{4}$  corner for sec. 20 and 29 BRs N. 02° W., 531.0 feet dist. (An accurate bearing was not observed due to a lack of time and poor weather conditions; the magnetic declination was set at 13° E.) If a more accurate tie is desired, it can be made upon request at a later date.

This information should be sufficient to indicate that the original mineral surveyor misidentified the township corner for secs. 13, 18, 19, 24, which should have been 24, 25, 19 and 30.

*Gordon H. Long*

*Notation made on plat of Black Diamond lode  
M.S. 2966  
and on plat of Isabel lode M.S. 2967.*

*A.50 Engineering Div. B.W.*

Original of this letter filed w/Field Notes  
of M.S. #2966. One copy filed w/Field Notes M.S. #2967.  
One copy sent to Land Office

FEB 29 1912

*Platted*

(4-683.)

Mineral Survey No. 2966.

Lot No. \_\_\_\_\_

ARIZONA Land District.

### FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

M. P. Freeman and Frances E. Smith

KNOWN AS THE

BLACK DIAMOND

SALERO Mining District.

SANTA CRUZ County, ARIZONA.

Section 20, Township 20 S., Range 14 E. (unsurveyed)

Coronado National Forest

Surveyed under instructions dated January 27, 1912.

by Edgar C. Dietrich  
U. S. Deputy Mineral Surveyor

Claim located See location notice, 1

Survey commenced January 30, 1912., 1

Survey completed January 30, 1912., 1

Address:

M. P. Freeman,  
Tucson, Arizona.

*Attorney  
Selim Franklin  
Tucson - Arizona*



BLACK DIAMOND  
SURVEY NO. 2966

Beginning at Cor.No.1, identical with the location, and Cor.No.2  
I label lode, Sur. No. 2967,  
which is a mound of stone; 3ft. base, 3 ft. high, I

chisel on limestone rock, 4x3x1 ft. above ground, cross  
(X) and B D-1-2966; from which

Cor. of Secs. 13, 18, 19 and 24, Tps. 20 S., Rs. 13 and 14 E.  
brs. N. 86° 21' W., 7085.7 ft. dist.

Helmet Peak, brs. N. 22° 30' W.

Mt. Hopkins, brs. N. 64° 00' E.

Thence South  
Var. 13° E.

260. Wire fence, brs. N. 85° W. and S. 85° E.

300. To West End Center Monument, identical with the location,  
which is a mound of stone, 3 ft. base 2½ ft. high; from  
which

San Cayetano Peak, brs. S. 29° 00' W.

Rocky Peak, brs. S. 20° 30' E.

600. To Cor.No.2, identical with the location, which is an oak  
post, 4 ins. sq., 4 ft. long, set 18 ins. in the ground, and  
surrounded by a mound of stone; I scribe same on NE face  
B D-2-2966. No bearings available.

Thence East  
Var. 13° E.

1250. Trail, brs. NW and SE.

1500. To Cor.No.3, identical with the location, which is an oak  
post, 4 ins. sq., 4 ft. long, set 18 ins. in the ground and  
surrounded with a mound of stone; I scribe same on NW  
face B D-3-2966. No bearings available.

Thence North  
Var. 13° E.

300. To East End Center Monument, identical with the location,  
which is a mound of stone, 3 ft. base, 3 ft. high.

600. To Cor.No.4, identical with the location, which is an oak  
and Cor. No. 3 label lode, Sur. No. 2967,

post, 4 ins. sq., 4 ft. long, set 18 ins. in the ground, and surrounded by a mound of stone; whence

An oak, 6 ins. diam., brs. S. 80° 30' W., 22 ft. dist.

An oak, 8 ins. diam., brs. N. 73° 00' W., 24 ft. dist.

Both blazed and scribed, 4-2966 B T

Thence West  
Var. 13° E.

700. Trail, brs. N. and S.

1500. To Cor. No. 1, the place of beginning.

380

#### AREA

Area, ----- 20.661 Acres.

#### LOCATION

This claim is located in Section 20, Township 20 S., R. 14 E., G. & S. R. B. & M., unsurveyed, and within the Coronado National Forest, in the Salero Mining District, Santa Cruz County, Arizona.

#### ADJOINING CLAIMS.

This claim is bounded on the North by the Isabel Lode (Survey No. 2967).

#### PRESUMED COURSE OF THE VEIN

The course of the vein of this lode is East 1500 ft. from the West End Center Monument.

#### EXPENDITURE OF FIVE HUNDRED DOLLARS

I hereby certify that the value of the labor and improvements on this claim, placed thereon by the claimants, or their grantors, is not less than Five Hundred Dollars, and that said improvements consist of:

From East End Center:

No. 1. Discovery shaft, 4x6 ft. 10 ft. deep, brs. W. 75° ft.

Value \$100.00

No. 2. Shaft, 4x6 ft. 30 ft. deep, brs. N. 79° W., 200 ft.

Value \$300.00

No.3. Shaft, 4x6 ft. 55 ft. deep, brs. N. 51° W., 125 ft.

Value \$550.00

#### INSTRUMENT.

This survey was executed with a Young & Sons Light Mountain Transit, with solar attachment. The courses were deflected from the true meridian, as determined by Polaris observation. The distances were measured with a 100-foot steel tape.

#### POLARIS OBSERVATION

On January 29th, 1912, at 10h 50m p.m., l.m.t., I set up my transit at Cor.No.1, and observe Polaris at its Western elongation, and mark said line by an iron rod driven in the ground about 600 ft. North of said corner.

January 30th, 1912: At 8h 30m a.m., l.m.t., I deflect from line marked on the ground 1°22' to the East, and mark the meridian thus determined by chiseling a cross (X) on a boulder in place, from which line I deflected all courses of this survey.

*Edgar C. Dietrich*  
 U.S. Mineral Surveyor.



## FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Edgar C. Dietrich,  
 United States ~~Deputy~~ Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and  
 boundaries described in the foregoing field notes of the survey of the mining claim of M. P. Freeman,  
Frances E. Smith  
 known as the BLACK DIAMOND  
 and showing the respective capacities in which they acted.

Peter G. Smith ..... , *Chainman.*  
Andrew Keen ..... , *Chainman.*  
Peter G. Smith ..... , *Arman.*  
Andrew Keen ..... , *Flagman.*

## FINAL OATHS OF ASSISTANTS.

We, Peter G. Smith  
 and Andrew Keen ..... , do solemnly swear that we assisted Edgar C.  
Dietrich ..... , United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of M. P. Freeman and Frances E. Smith  
 known as the BLACK DIAMOND  
 represented in the foregoing field notes as having been surveyed by said deputy mineral surveyor and under his  
 direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and  
 correctly executed, and the corner and boundary monuments established according to law and the instructions  
 furnished by the United States Surveyor-General for Arizona.

Peter G. Smith ..... , *Chainman.*  
Andrew Keen ..... , *Chainman.*  
Peter G. Smith ..... , *Arman.*  
Andrew Keen ..... , *Flagman.*

Subscribed and sworn to by the above-named persons before me this 3rd

day of February, 1912, ~~190~~

H. G. Power

Notary Public

My commission expires May 16, 1912.



(4-686.)

FINAL OATH OF U. S. ~~DEPUTY~~ MINERAL SURVEYOR

I, Edgar C. Dietrich, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated January 27, 1912, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of M. P. Freeman and Frances E. Smith, known as the BLACK DIAMOND, situate in Salero Mining District, Santa Cruz County, Arizona, in Section 20, Township No. 20 S., Range No. 14 E. (unsurveyed) Coronado National Forest, and designated as Survey No. 2966, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimants or their grantors are as therein fully stated, and that the character, extent, location and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

*Edgar C. Dietrich*  
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Edgar C. Dietrich  
U. S. ~~Deputy~~ Mineral Surveyor, before me W. G. Power, a  
Notary Public this 3rd  
day of February, 1912

*W. G. Power*  
Notary Public  
My commission expires May 16, 1912.



## NOTICE OF MINING LOCATION.

JAN 27 1912

## Quartz Claim

## TO WHOM IT MAY CONCERN:-

This mining claim, the name of which is the BLACK DIAMOND mining claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by M. P. Freeman, the undersigned on the first day of July, 1901.

The length of this claim is 1500 feet and I claim 750 feet in an easterly direction and 750 feet in a westerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 600 feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the East to the West.

The claim is situated and located in the Salero Mining District, in Santa Cruz County, in the Territory of Arizona, about 250 yards in a southerly direction from the location shaft of the Isabel claim.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stones at a point in an easterly direction 750 feet from the discovery shaft (at which this notice is posted) being in the center of the Eastern end line of said claim; thence southerly 300 feet to a monument being the S. E. corner of said claim; thence westerly 1500 feet to a monument being at the S. W. corner of said claim; thence northerly 300 feet to a monument being the center of the western end line of said claim; thence northerly 300 feet to a monument being at the N. W. corner of said claim; thence easterly 1500 feet to a monument at the N. E. corner of said claim; thence southerly 300 feet to the place of beginning.



All done under the provisions of Chapter Six of Title XXXII of the Revised Statutes of the United States and of an Act of the General Assembly of Arizona, entitled "An Act to Codify and Revise the Laws of the Territory of Arizona", approved March 16th, 1901.

Dated and posted on the ground this first day of July, 1901.

M. P. FREEMAN.

Filed and recorded at request of M. P. Freeman, Aug. 7, A. D. 1901 at 9 o'clock A. M.

M. Breen, County Recorder,  
By Phil Herold, Deputy.

Territory of Arizona,) :  
County of Santa Cruz.) s s.

I, Phil Herold, County Recorder in and for the County and Territory aforesaid, do hereby certify that the foregoing is a full, true and correct copy of location notice of the BLACK DIAMOND mining claim, as the same appears of record in my office in Book 2 of Mining Locations at pages 311 and 312.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal this 22nd day of January, A. D. 1912.

*Phil Herold*  
\_\_\_\_\_  
County Recorder.

RECORDED  
JAN 22 1912



U. S. SURVEYOR GENERAL'S FINAL CERTIFICATE ON  
FIELD NOTES.

DEPARTMENT OF THE INTERIOR,  
OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona,

April 12, 1912.

I, U. S. Surveyor General for District of Arizona,  
do hereby certify that the foregoing transcript of the Field Notes, return and approval  
of the Survey of the mining claim of

M. P. Freeman and Frances F. Smith

, known as the BLACK DIAMOND

, situate in Salero

Mining District, Santa Cruz County,

Arizona, in Section 20, Township No. 20 S.,

Range No. 14 E., Unsurveyed, and designated as Survey

No. 2966, has been correctly copied from the originals on

file in this office; that said Field Notes furnish such an accurate description of said  
mining claim as will, if incorporated into a patent, serve fully to identify the premises,  
and that such reference is made therein to natural objects or permanent monuments as  
will perpetuate and fix the locus thereof.

And I further certify that five hundred dollars' worth of labor has been expended  
or improvements made upon said mining claim by claimants or their grantors, and  
that said improvements consist of

and that no portion of said labor or improvements has been included in the estimate of  
expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix,  
Arizona, is correct and in conformity with the foregoing Field Notes.

Frank S. Ingalls,

United States Surveyor General for Arizona.

4-687.

SURVEYOR-GENERAL'S CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM.

Department of the Interior.

Office of U. S. Surveyor-General,

Phoenix, Arizona,

April 12, 1912.

I, U. S. Surveyor-General for District of Arizona,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of

M. P. Freeman and Frances E. Smith

known as the

BLACK DIAMOND

situate in Salero mining district,

Santa Cruz County, Arizona

in Section 20, Township No. 20 S., Range No. 14 E., Unsur.,

designated as Survey No. 2966

executed by Edgar C. Dietrich, U. S. Deputy Mineral

Surveyor, January 30, 1912, under my instructions dated

January 27, 1912, have been critically examined and the necessary cor-

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

are hereby approved. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

Frank S. Lyall

U. S. Surveyor-General for Arizona.