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07/22/91

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: BLACK ROCK

ALTERNATE NAMES:

BLACK MAGIC
U.S. MN CORP. (BROCK & SCHUSTER

greenlee COUNTY MILS NUMBER: 57

LOCATION: TOWNSHIP 4 S RANGE 30 E SECTION 19 QUARTER NE
LATITUDE: N 33DEG 04MIN 59SEC LONGITUDE: W 109DEG 17MIN 30SEC
TOPO MAP NAME: CLIFTON - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

MANGANESE

BIBLIOGRAPHY:

USBM IC 7990, MANGANESE DEPOSITS OF EASTERN
AZ, FARNHAM, STEWART & DELONG, 1961, P. 57
USGS CLIFTON QUAD
ADMMR BLACK ROCK FILE
ADMMR U FILE

FOOTE, ERNEST et al Owners

10-10-51

MINE - Black Rock Mine, San Francisco Mining Dist.,

OWNERS - Foote, Ernest

Danenhauer, Matt and Ed, P.O.Box 422, Clifton, Ariz.

Gen. Mgr., -Matt Danenhauer.

LIME CAP MINE, Metcalf Mining Dist., Greenlee County 10-10-51

BUTTORFF, GORDON STEPHEN (LESSEE & OPERATOR)

Box 332,

Safford, Ariz.

MINE: Black Magic Mine (Formerly Black Rock Mine), San Francisco Dist.
Greenlee County - 6 unp. claims. 2 mi. N. of
Clifton, Ariz.

Operators have built small mill on San Francisco River about 1
mile from this property. 5-9-55

OWNER: Matt & Ed Danenhauer, Ernest Foote and N.T.Jackson, Box 422,
Clifton, Ariz.

WOLFE, TOM U.

4124 N. 29th Ave.,

Phoenix, Ariz.

MINE: BLACK ROCK MINE, San Francisco Dist., Greenlee Co.

OWNER: MATT DANENHAUER, ED DANENHAUER & ERNEST FOOTE

LESSEE & OPER.: Tom U. Wolfe. 12-7-55

BLACK ROCK MINE

MARICOPA COUNTY

IC 7990 p. 101

ABM Bull. 180, p. 217

Arizona Testing Laboratories

815 West Madison • Phoenix, Arizona 85007 • Telephone 254-6181

*Will be in Safford Friday
5/20/77 if I can meet him.*

For: Mr. Bruce Roberson
992-2258

Date: May 18, 1977

Lab. No.: 4283

Received: ----

Marked: Sample #1

Submitted by: same

REPORT OF QUALITATIVE SPECTROGRAPHIC EXAMINATION

<u>ELEMENT</u>	<u>APPROXIMATE PERCENT</u>
Boron	0.005
Silicon	Major Constituent
Aluminum	2.0
Manganese	Major Constituent
Magnesium	0.5
Lead	0.5
Copper	0.02
Iron	Intermediate Constituent
Barium	0.1
Calcium	2.0
Vanadium	0.005
Sodium	0.1
Titanium	0.005
Nickel	0.05

*Sample taken by Mr. Roberson, an individual interested
in possible relocation of the property. KAP May 23, 1977*

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E McLean

Claude E. McLean, Jr.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Black Rock Mine (called Black Magic by former lessee) correct name 'Black Rock' Date Dec. 7, 1955
District San Francisco District ---Greenlee Co. Engineer Axel L. Johnson
Subject: Present Status.

Location Sections 19 and 20 -- T 4 S -- R ³⁰ ~~29~~ E
2 miles north of Clifton. Go north on San Francisco River road for a distance of 1 1/2 miles to Limestone Canyon. Go up Limestone Canyon road for 1/4 mile and then along a wash for another 1/4 mile to the ore deposit.

Number of Claims 9 unpatented claims.

Owners Matt Danenhauer, Ed Danenhauer, and Ernest Foote

Lessee and Operator Tom U. Wolfe, 4124 - N 29th Ave., Phoenix, Arizona. (AM 5-3064)
This lease is reported as being taken out in October, 1955, after the previous lease to Gordon Stephen Buttorff, Box 332, Safford, Ariz. was cancelled on account of violation of lease contract.

Principal Minerals Manganese ore.

Number of Men Employed Work is being done by Mines Contracting Inc., Box 673, Wickenburg, Ariz. on a contract basis. Ike Kussisto is the manager of said company, and Jim Maurice is the foreman on the job. Work was started in Oct. 1955.
2 men are being employed on the job at the ~~present~~ present time.

Production Rate No definite rate of production has been established, as the lessee and contractor have been concentrating principally on exploration and development work. About 40 tons of ore, averaging about 30 %, were shipped to Deming before that depot closed on Nov. 30, 1955.

Geology and Ore Values See my report on this property under date of Oct. 10, 1951.

Ore in Sight and Probable Ore in Sight negligible. Probable ore may be considerable. There appears to be evidences of a considerable amount of low grade ore which can be milled by gravity concentration. Some of the ore, however, no doubt would require flotation.

Milling and Marketing Facilities No mill on the property. Construction of a mill is contemplated by the lessee and operator. The closing of the Deming depot makes it necessary for the operators to construct a mill for the milling of the ore, and then shipping the ore on the Car Lot Program.

Mine Workings A number of open cuts and open ~~cuts~~ stopes on the sides of the canyon walls were made by the previous operator, Gordon Buttorff, who mined high grade streaks of ore, hand sorted same, and shipped plus 40 % ore to the Deming depot.

1 -- 50 ft. deep vertical shaft sunk in low grade (10 to 20 % ore) by the owners in 1952.

Present operator has sunk a vertical shaft about 27 ft. deep, and has drifted about 13 ft. from same.

Proposed Plans Operators plan on mining the available high grade ore and shipping same to Phillipsburg, Mont. They report that the freight rate on same is about \$30 per ton. Exploration and development, in the mean time will be continued. If enough milling ore is developed, the operator plans the construction of a mill to treat the ore

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

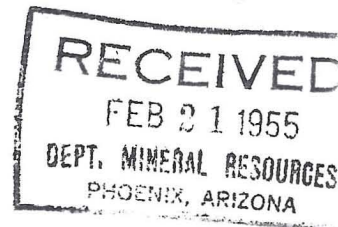
Mine	Black Magic Mine (formerly Black Rock Mine)	Date	June 9, 1955
District	San Francisco Dist., Greenlee Co.	Engineer	Axel L. Johnson
Subject:	Present Status - Personal Visit		

Location - for location and other information, see my report of Feb. 2, 1955.

Present Status. Operators have built a mill on the San Francisco River, about a mile away from the property, and have milled a small amount of ore with this mill. Mill consists of a jaw crusher, conveyor belt, and one jig. Numerous breakdowns of equipment were reported since the mill was completed, and at the present time the mill is shut down for repairs on the jig.

Proposed Plans. Operators plan to repair the present mill and put it into operating condition. The concentrates from the mill will be shipped to the Deming, N. M. manganese depot.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine Black Magic Mine
(formerly Black Rock Mine)
District San Francisco Dist., Greenlee Co.

Date Feb. 2, 1955.

Engineer Axel L. Johnson

Subject Mine Report ---Present Status. Personal Inspection & information by Mr. Buttorff.

Location See my report of Black Rock Mine under date of Sept. 2, 1952 for location.

Number of Claims 6 unpatented claims.

Owners Matt Danenhauer, Ed Danenhauer, Ernest Foote, and N. T. Jackson.

Lessees and Operators Gordon Stephen Buttorff, Box 332, Safford, Arizona.

Mr. Buttorff took out this lease about one year ago, but did not start mining until Dec. 9. Mr. Buttorff has a 5 year lease on the property, with 4 years remaining. Lease calls for a 10 % straight royalty.

Principal Minerals Manganese ore.

Number of Men Employed 5 men.

Geology See my report of this property under date of Oct. 10, 1951.

Ore Values Mining and shipping manganese ore assaying over 40 %. Yields about \$83 per ton.

Production Rate Have been shipping about 15 tons per week, and trucking the ore to the Deming Manganese depot in 7 & 7 1/2 ton loads. About 100 tons were shipped between Dec. 9 and Feb. 2.

Ore in Sight ^{amt.} No appreciable high grade ore in sight. Operators are doing no exploration work, but open up small veins or ore lenses on the side of the canyon and mine out the ore from these, one by one, as they find them. Evidence seems to indicate that there is considerable amount of low grade ore, but no exploration to indicate the amount has been conducted. The amount of the high grade 40 % ore seems to be quite limited, and it would seem that the operators will run out of high grade ore to mine in a relatively short time.

Milling Facilities No mill has been installed on the property to date. The operator, Mr. Buttorff, however, is considering installing a small mill to mill the low grade ore, of which there seems to be a considerable amount.

Present Mine Workings 1 -- vertical shaft about 50 ft. deep sunk in low grade ore (from 10 to 20 %). Sunk by Danenhauer in 1952.

A number of small cuts into the side of the canyon from which the ore has been extracted.

One cut into the side of the canyon, in which the operators are now working.

Past History See my report of this property under date of Sept. 2, 1952.

Present Operations Operator is stoping out the ore ~~about~~ in a narrow cut about 30 ft. up on the steep side of the canyon. He is using an old mine hoist, mounted on the opposite side of the canyon, with cables and scraper attached to same, ~~for~~^{to} scrape out the ore from this cut. He expects to buy a regular double drum slusher in the very near future.

Proposed Plans To mine out the high grade ore first, then mine and mill the low grade.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Black Rock Mine

Date Sept. 2, 1952.

District San Francisco Mining Dist., Greenlee Co. Engineer Axel L. Johnson

Subject: Mine Report ---- Present Status.

Location Sections 19 & 20 --- T 4 S --- R 29 E
 2 miles north of Clifton. Go north on San Francisco River road for
1 1/2 miles to Limestone Canyon. Go up Limestone Canyon road for 1/4 mile, and
then along a wash for another 1/4 mile to the ore deposit.

Number of Claims 9 unpatented claims.

Owners Matt Danenhauer, Ed Danenhauer, and Ernest Foote.

Operators Not in operation.

Principal Minerals Manganese ore.

Number of Men Employed None. Mine is idle.

Geology See report of this property under date of Oct. 10, 1951.

Ore Values The ore varies from 12 to 48 % in ore values. Some high grade ore
was found, but by far, most of the ore is of lower grade of about 12 to 15 %.

Ore in Sight No estimate of the ore in sight has been made, but evidences seem
to indicate that there is a considerable amount of low grade ore in this deposit.

Milling Facilities No milling facilities on the property. The ore should be
milled, as it is too low a grade to ship profitable to Deming, N.Mex. depot.

Past History Located by Del M. Potter in 1906. Held by Potter and Potter estate
until 1949. Located by Matt Danenhauer in 1949. Exploration work started by
present owners in Aug. 1951. Mining operations conducted by present owners during
winter of 1951 and 1952. About 60 tons of ore was mined by the present owners and
shipped to the Government manganese depot at Deming, N. Mex. Owners were forced
to suspend operations, as the ore petered out or turned into lower grade with depth,
and it was not profitable to ship low grade ore to the Deming depot.

Owners informed me that the U. S. Manganese Corp. (Brock and Schuster) took over the property about July 1st and operated same until Aug. 25th. These operators mined and shipped 10 carloads of ore to their mill at Deming, N.Mex. This ore averaged about 15 % in Manganese. U. S. Manganese Corp. discontinued operations on account of milling difficulties and small margin of profit, according to owners.

Present Operations None.

Proposed Plans Owners will lease the property to some company who will build
a mill for treating the ore. Lease will be given on very favorable terms.

NEWS ITEM

Oct. 10, 1951
By Axel L. Johnson

SOURCE OF INFORMATION --Personal Inspection & information from owner.

MINE --- Black Rock Mine.

DISTRICT --- San Francisco Mining District.

Location. 2 miles north of Clifton. Go north on San Francisco River Road for 1 1/2 miles to Limestone Canyon. Go up Limestone Canyon Road for 1/4 mile, and then along a wash for another 1/4 mile to where ore is being mined.

Number of claims 9 unpatented claims. Now surveyed and will be patented soon.

Owners Matt Danenhauer, Ed Danenhauer, and Ernest Foote.

Operators same as above.

Officers Matt Danenhauer, Gen. Mgr., P.O. Box 422, Clifton, Ariz.

Metals Mined Manganese ore

Men Employed 3 men on one shift.

Production Rate Rate of production is only about 2 tons per day. Drilling by compressed air. Ore is shoveled in wheelbarrows and wheeled to a stockpile. Only the high grade ore is mined and stockpiled, preparatory to shipping it to Deming, N. M. when that depot is ready to receive ore. The stockpile is now about 60 tons, running about 48 % Mn., a/s only ore running over 40 % is mined. It is planned to build a mill to treat the lower grade ores later on.

Milling Facilities No milling facilities at present, and the Deming, N. M. depot is not yet ready to accept ore shipments. Quotation from Regional Director, Otto G. Klein, in a letter to Matt Danenhauer under date of Sept. 11, 1951---"It is expected that we will have a depot at Deming, N. Mex. open for buying some time within the next 90 days!"

Ore Values. Some high grade ore running 40 to 55%. Most of the ore is of lower grade---running 20 to 40 % of Mn. The average may be around 30 %.

Geology The ore occurs as replacement of the limestone rock at the edge of a large fault. The deposit seems to have a width of 25 to 75 feet. The width can not be directly measured as most of it is covered by overburden to a depth of 25 to 35 ft. Along the edge of a wash, the ore is exposed, and it is there that the present mining operations are being conducted.

Past History Located in 1906 by former owner, Del M. Potter, who died in 1941. Held by the Potter estate until 1949. Located by Mr. Danenhauer in 1949. No work has been done on the property before Mr. Danenhauer started work 2 months ago. The assessment work was not done by Mr. Potter or his estate while they held the property, although it is said to have been recorded as being done.

Proposed Plans. The plans are to continue mining and stockpiling ore, and mine only high grade ore at present. This will be shipped to Deming, N.M., as soon as this depot will accept ore. Later, the owners expect to build a mill to treat the lower grade ore running 20 to 40 % Mn. The principal treatment of the ore is expected to be with Jigs. Mining to be done with scrapers & portable conveyors at about \$2 per ton.

Special Difficulties - Hard to get good miners. Phelps Dodge hiring all miners available.