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08/14/86

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: STELLA MARIS NO. 2 MINE

ALTERNATE NAMES:
STELLA MARIS
BLUFF MINE

PIMA COUNTY MILS NUMBER: 112

LOCATION: TOWNSHIP 11 S RANGE 2 E SECTION 36 QUARTER C
LATITUDE: N 32DEG 25MIN 45SEC LONGITUDE: W 112DEG 07MIN 15SEC
TOPO MAP NAME: GU ACHI - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
MANGANESE DIOXIDE

BIBLIOGRAPHY:
S.B. KEITH, AZBM BULL. 189, P. 116, 1974
FULL, ROY P., 1970, INDIAN CLAIMS COMM DOCKET 345, V. I, P. 411
ADMMR STELLA MARIS NO. 2 FILE
USBM IC 7990, P. 111

BLUFF MINE REFERENCES PIMA COUNTY
T11S R2E Sec. 36

ABM Bul. 189, p. 116

Indian Claims Comm. Docket 345, Vol. 1, P. 411

USBM IC 7990, p. 111

MILS Sheet sequence number 0040190415 (Stella Maria No. 2)

Secretary

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Not for publication

Mine Stella Maris No. 2 (Mine & Mill) Date June 20, 1957

District Cimarron Mts. District, Pima Co. Engineer Axel L. Johnson

Subject: Present Status. Information from Mrs. Thad Watkins, et. al.

References Report of Stella Maris No. 2 under date of April 18, 1957.

CHanges from above mentioned report

Present Mining Activity None. Mine is ~~ni~~ idle.
Lessee, Mr. Watkins, is reported to have worked only a few days on the property, and then closed down operations. Reason give is lack of funds to continue operations.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Stella Maris No. 2 (Mine and Mill) Date April 18, 1957

District Cimarron Mts. District -- Pima Co. Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Thad Watkins, lessee. No Visit.

Location About 43 miles south of Casa Grande. Drive south from Casa Grande on the Casa Grande-Covered Wells road for a distance of 37 miles. Turn right (west) at road sign and drive west for 6 miles to the mine. This is next to the Stella Maris No. 1 mine.

Number of Claims 1 unpatented claim.

Owner Don DeSilvia, 515 E. Willetta St., Phoenix, Ariz.

Lessee and Operator Thad Watkins, ~~519 W. 11th St.~~, Casa Grande, Ariz.
917 W. 6th St.

Principal Minerals Manganese ore.

Present Mining Activity Preparations for mining and milling manganese.

Ore Values Mr. Watkins reports that the manganese ore runs from 15 to 20 % in Mang., and that the jig concentrates obtained from jigging runs on an average of 38 % Mang.

Ore in Sight and Probable Not determined.

Milling and Marketing Facilities

(a) Milling Mr. Watking, has installed 2 jigs at his Turning Point mill, 25 miles south of Casa Grande, for milling the manganese ore from this property. (This mill will also be used for the milling of lead ores from the Camino Mine by means of rod mill and tables). Mr. Watkins expects to be able to mill about 2 tons per hour with these jigs or about 24 tons per two 8 hour shifts. (Lead ores from the Camino mine will be milled ~~x~~ simultaneously*). Water for milling will be obtained from the old Turning Point shaft.

(b) Marketing Operator will sell the 38% manganese concentrates to Stovall Manganese Co., who has a screening and upgrading plant in Casa Grande. According to Mr. Watkins, the prices paid by Stovall Manganese Co. are as follows:

35 to 40 % ores and concentrates	------	$ 1.25 per unit.
33 to 35 % " " "	------	1.15 " "
30 to 33 % " " "	------	22.75 per ton.

No ore below 30 % & no concentrates below 30 % are accepted.

*

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Bluff Mine Date Sept. 1, 1955

District Cimarron Mts. Dist.---Pima County. Engineer Axel L. Johnson

Subject: Field Engineers Report.

Location About 50 miles north of Sells. Drive 22 miles north of Sells on Highway 86. Turn right (north) on the Covered Wells-Casa Grande road, and drive 22 1/2 miles to road signs "Black Jack Mining" and "Stella Maris No. 1". Turn left (west) and drive about 6 miles to the mine.

Owner Don DeSilvia, 515 E Willetta St., Phoenix, Arizona.

Lessees and Operators A. R. Powell, and Leon Powell, Sells, Arizona.

Number of Claims 1 unpatented claim (Stella Maris # 2)

Principal Minerals Manganese ore.

Number of Men Working 2 -----A. R. Powell and Leon Powell, lessees.

Production Rate Production rate not definitely established. Operators have been moving the overburden, getting ready for production, and have been stockpiling the ore which they have mined to date, pending the completion of the Golden Mining and Milling Co. mill about 1 mile east of the mine, where the ore will be milled. Operators expect to obtain about 1 carload of concentrates per week from the mining and milling operations, after the mill gets into steady production.

Geology The manganese ore is found in fissures and shattered portions of the rhyolite rock, as small veins and pockets. It appears to be associated with a considerable amount of siliceous material, some of which seems to be tightly associated with the manganese particles, and may be hard to separate with the dry mill erected for this purpose.

Ore Values The ore values seem to vary within wide limits, and the value of the ore sent to the mill will depend to a large extent of how much selectivity will be used in the mining of the ore. No estimate of the ore mined , the percentage of manganese in same, and the silica content of the ore could be obtained from the operators.

Ore in Sight and Probable Blocked out ore ----none. Probable ore ----uncertain.

Milling and Marketing Facilities The ore from the Bluff mine will be milled at the Golden Mining and Milling Co. mill, about 1 mile east of the property. (See separate report on the mill). It is understood that the milling company will share in the profits from the mining and milling operations, but no definite contract or terms were given out by either the mine or the mill operators.

Present Mine Workings One open cut----about 300 x 200 x 50 (approximate), from which a large amount of rock material had been removed, and some ore removed and stocked.

Present Operations A bull dozer, car loader and trucks is being used for this operation. Operators expect that the mill will be operating for concentrating the ore in a very few days.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

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Lessees and Operators A. R. Powell, and Leon Powell, Sells, Arizona.

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Number of Men Working 2 -----A. R. Powell and Leon Powell, lessees.

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DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Stella Maris No. 2 (Mine and Mill) Date April 18, 1957

District Cimarron Mts. District -- Pima Co. Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Thad Watkins, lessee. No Visit.

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Lessee, Mr. Watkins, is reported to have worked only a few days on the property, and then closed down operations. Reason give is lack of funds to continue operations.

DON DeSILVIA (OWNER)
515 E. Willetta Street
Phoenix, Arizona

MINE: BLUFF MINE, Cimarron Mts. Dist., Pima Co.- About 50 Mi. N of Sells.

LESSEES & OPERATORS - A. R. POWELL, & Leon Powell, Sells, Ariz.9-1-55

MINE: STELLA MARIS NO. 1, Cimarron Mts. Dist., Pima Co. -
LESSEE & OPER. - Arizona Mines Consolidated,
Box 126,
Casa Grande, Ariz. - 9-1-55

POWELL, A. R. & Leon (LESSEES & OPERATORS)
Sells, Ariz.

MINE: BLUFF MINE, Cimarron Mts. Dist., Pima Co. - About 50 Mi. N of Sells.

OWNER: Don DeSilvia, 515 E. Willetta Street, Phoenix, Ariz. 9-1-55

*