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08/18/86

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: DAISY MINE

ALTERNATE NAMES:

PIMA COUNTY MILS NUMBER: 221

LOCATION: TOWNSHIP 17 S RANGE 12 E SECTION 1 QUARTER NW
LATITUDE: N 31DEG 59MIN 13SEC LONGITUDE: W 111DEG 04MIN 27SEC
TOPO MAP NAME: TWIN BUTTES - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER SULFIDE
SILVER
ZINC SULFIDE
LEAD SULFIDE
GOLD LODE
TUNGSTEN
MOLYBDENUM SULFIDE

BIBLIOGRAPHY:

AZBM BULL. 189, P. 134, 1974
ADMMR DAISY MINE FILE

DAISY MINE

Pima Mining Company continued production of ore from Banner ground during 1963 in conjunction with their open pit mine as per agreement between the two companies dated November, 1959. Pima met the contract requirements of mining and milling an annual average tonnage of 256,670. We were paid by Pima for the proceeds from this ore which contained 7,336,193 pounds of recoverable copper. This volume of ground on which Pima has a custom mining and milling agreement is not included in the Banner-Anaconda agreement and we will continue to receive proceeds for an equal amount of copper annually through 1968. Banner did not conduct any active underground mining at this mine during the year.

1,500,559 tons of oxidized material in a limestone gangue have been excavated from the volume under contract to Pima Mining Company. This tonnage is estimated to average about 1% copper. Stockpiled low grade sulphides from the upper cone volume of the Daisy Mine under the contract with Pima Mining Company totals about 119,564 tons.

Banner Mining Co. Annual Report 1963

DAISY MINE

The Company received net proceeds of \$694,623.51 from Pima Mining Company under the Custom Mining & Milling Agreement between the two companies for the 1964 production from this mine. Under the agreement Pima is required to mine and mill Banner's ore at an annual average rate of 256,670 tons through 1968 from which Banner will continue to receive income for the ensuing four-year period.

Banner Mining Co. Annual Report 1964

*See: USGS D.P. # 550-A - Page # 3
Engineering & Mining Journal,
May, 1960, p. 122*

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DAISY MINE

PIMA COUNTY
PIMA DIST.

See: ENGINEERING & MINING JOURNAL, May, 1960, p 122

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Daisy Mine

Date Feb. 2, 1961 and Feb. 27, 1961

District Pima District, Pima Coutny.

Engineer Axel L. Johnson

Subject: Present Status. Information from F. D. MacKenzie on 2/2 & from F. C. Prince on 2/27.

References Report of Sept. 28, 1960 and previous reports.

Present Mining Activity Exploration work on the 600 ft. level, consisting of drifting and long hole drilling. 3 men working. No ore produced from the Daisy Mine at the present time.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Daisy Mine

Date July 26, 1961

District Pima District, Pima County

Engineer Axel L. Johnson

Subject: Present Status. Information from F. C. Prince.

References Report of Feb. 2, 1961 and previous reports.

Present Activity Mine is completely closed down.
Pima Mining Co. is stripping on part of the Daisy ground, according
to agreement between the two companies.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine " Daisy Mine

Date Sept. 28, 1960

District Pima District, Pima County

Engineer Axel L. Johnson

Subject: Present Status. Information from F. C. Prince, Chief Accountant.

References: Report of June 7, 1960

Present Mining Activity Mining copper ore. Mine is working 3 shifts, 6 days per week. A total of 90 men are working underground at the Daisy. The monthly production is about 6,000 tons per month.

The ore from the Daisy Mine is milled at the Mineral Hill Mill. The shops and offices are also located at Mineral Hill. (See report on Mineral Hill Mine)

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Daisy Mine

Date June 7, 1960

District Pima District, Pima County

Engineer Axel L. Johnson

Subject: Present Status. Information from F. D. MacKenzie.

References Report of Jan. 21, 1960 and previous reports.

Present Mining Activity Mining copper ore. Mine is now working 3 shifts, 6 days per week. A total of 61 men are working underground at the Daisy. The average monthly production is about 5,500 tons per month. In addition, a considerable amount of development work is being done.

See Mineral Hill Mine and Mill for number of men in mill, on surface, in shops and the office.

Handwritten notes:
Axel L. Johnson
T/M/S - 37.0
61 M/S 61 20 M/S
Monthly 20 M/S

DEPARTMENT OF MINERAL RESOURCES

**STATE OF ARIZONA
FIELD ENGINEERS REPORT**

Mine Daisy

Date Jan. 21, 1960

District Pima District, Pima County

Engineer Axel L. Johnson

Subject: Present Status. Information from F. D. MacKenzie.

References: Report of Sept. 3, 1959 and previous reports.

Present Mining Activity: Mining copper ore. 24 men working 1 shift, 6 days per week, part of these men are on development and part on ore production. This does not include the mill, shops and offices which are located at the Mineral Hill.

DEPARTMENT OF MINERAL RESOURCES

**STATE OF ARIZONA
FIELD ENGINEERS REPORT**

Mine Daisy

Date September 3, 1959

District Pima, Pima County

Engineer Axel L. Johnson

Subject: Present Status - Information from Creighton Bowman

Reference: Report of July 8, 1958

Present Mining Activity: Mining copper ore. 30 men working 1 shift, 6 days per week, part of these men on development work and part on ore production. (About 130 men have been laid off recently.)

The mill has been closed down. The ore obtained from the mining operations is now stockpiled either in the ore bins at the mill or on the surface stockpiles.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine **Daisy Mine**

Date **May 29, 1959**

District **Pima Mining District, Pima County**

Engineer **Axel L. Johnson**

Subject: **Present Status. Information from F. D. MacKenzie, Geologist. Not visited.**

References Report of July 8, 1958, and previous reports.

Principal Minerals Copper ores, all sulphides, principally chalcopyrite, except the 200 ft. level, which is still in oxide ore.

Present Mining Activity Mining copper ore and milling same at the Banner Mining Co. mill. About 100 men working at the Daisy Mine ---- 3 shifts on a 6 day week. (this does not include the mill, shops and offices, which are located at the Mineral Hill) Monthly production at the Daisy Mine averages 10,227 tons per month, or about 400 tons per day. The 600 ft. level is now being developed by means of drifting. No production from the 600 ft. level as yet.

Geology and Mineralization Contact metamorphic deposit (also called pyro-metasomatic) along a limestone-arkosite contact.

Milling & Marketing Facilities Ore is milled at the Banner Mining Co. mill at the Mineral Hill Mine about one-half mile west of the Daisy shaft. Straight flotation is used. A small amount of ore (about 75 tons per day) from the Mineral Hill Mine is also milled there.

Mine Workings

- (1) Daisy shaft (vertical) ----- about 640 ft. deep.
- (2) The 100 ft. level --- worked out.
- (3) The 200 ft. level ---- mining oxides on the 200 ft. level and stockpiling same for future treatment by leaching and electric precipitation.
- (4) The 300, 400, & 500 ft. levels, which are being worked and the ore from same milled at the Mineral Hill mill.
- (5) The 600 ft. level, which is now being developed. Drifting on this level was started just a short time ago. No production from this level as yet.

Exploration Exploration work is being done on the Daisy property by means of diamond drilling. Boyles Bros. Drilling Co. is drilling with 2 diamond drill rigs on the Daisy and adjoining properties. Glenn Thatcher of Tucson is also drilling at the Daisy and other Banner Mining Co. properties. He also has 2 diamond drill rigs on the Banner Mining Co. properties.

DAISY MINE

PIMA COUNTY

See: MINING WORLD, Aug. 1958, p 66

See: News Clipping - May 8, 1959 GAZETTE
In PIMA MINES (file)

DAISY MINE

PIMA COUNTY

PIMA DISTRICT

Banner Mining Co. will sink a 5-compartment, 1,000-ft shaft to increase production from new reserves at its Daisy Mine in Arizona's Pima District.

The shaft will be about one mile from the present two-compartment shaft, now below 690 ft.

Banner has never detailed ore grade or reserves, which in the last three years have been developed as a result of both surface and subsurface drilling. Even the stockholders report has not covered this in the past.

E. S. Bowman, Tucson, presented the annual report at the recent stockholders' meeting in Salt Lake City. He said "core drilling on our state-leased lands in the vicinity of the Daisy Mine was continued unabated with very encouraging results during 1958."

Only the Daisy Mine was operated at full capacity during the period of low copper prices in 1958. Mineral Hill Mine in the Arizona district was worked on a reduced basis. The Glance Mine at Twin Buttes was shut down. The firm's Bonney and Miser's Chest mines in the Lordsburg, N. M. copper district were shut down, but development work was carried out and some development ore was shipped.

Both the Bonney and Miser's Chest mines will be reopened if copper prices continue to improve in 1959, it was stated.

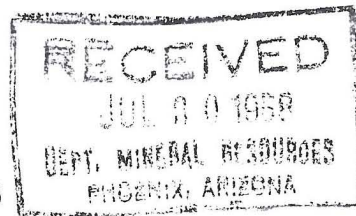
"Considerable amounts of low-grade oxidized copper ores, which are unmarketable unless beneficiated, have been found in the Mineral Hill-Daisy Mine area," Bowman said. He added that above the sulphide zone in the properties the oxide ores are not adaptable to ordinary acid-leach process. Work is continuing on perfecting a process for treatment of the ores.

Copies from "ENGINEERING & MINING JOURNAL, May, 1959 - page 125

1-10

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine **Daisy Mine**

Date **July 8, 1958**

District **Pima Mining District, Pima Co.**

Engineer **Axel L. Johnson**

Subject: **Field Engineers Report. Information from A. B. Bowman, Manager.**

References **Report of March 30, 1955**

Location **Located about 17 miles south of Tucson, and about one mile north-east of the San Xavier Mine. Approx. Sec. 2 -- T 17 S -- R 12 E.**

Owners and Operators **Banner Mining Co., Twin Buttes Road, Tucson, Ariz.**
✓ **Allan B. Bowman, Gen. Mgr., 2042 Conner Strav., Tucson, Ariz.**
✓ **B. W. Venable, Gen. Mine Supt., 1325 E. Waverly, Tucson, Ariz.**
✓ **F. D. MacKenzie, Geologist, 1633 N. Harley Ave., Tucson, Ariz.**
✓ **Frank Horton, Mill Superintendent.**
✓ **William Anderson, Jr., Mine Superintendent**
✓ **Paris Brough, Metallurgical Engineer.**

Principal Minerals **Copper ores, all sulphides, principally chalcopyrite.**

Present Mining Activity **Mining copper ore and milling same at the Banner Mining Co. mill.**
85 men working at the Daisy Mine ---- 3 shifts on a 5 day week.
(this does not include the mill, shops, offices etc., which are located at the Mineral Hill Mine ---- for this see report of the Mineral Hill Mine)
Production from the Daisy Mine is about 425 tons per day.

Geology and Mineralization **Contact metamorphic deposit (also called pyro-metasomatic) along a limestone-arkosite contact.**

Ore Values **Ore values are not for publication. Mr. Bowman stated, however, that they are now mining the higher grade ore and leaving the lower grade for future production.**

Milling & Marketing Facilities **Ore is milled at the Banner Mining Co. mill at the Mineral Hill Mine about one-half mile west of the Daisy shaft. Straight flotation is used. A small amount of ore (about 25 tons per day) from the Mineral Hill Mine is also milled there. The mill is now working at full capacity.**

Mine Workings

- (1) **Daisy shaft (vertical) ---- 550 ft. deep**
- (2) **The 100 ft. and the 200 ft. levels, now mostly worked out.**
- (3) **The 300, 400 and 500 ft. levels, which are now being worked.**

Information from MINE INSPECTOR'S OFFICE - August 15, 1957

✓ DAISY MINE, Twin Buttes, Ariz. Pima Dist ✓ CU 1-2-57

42 Claims

✓ BANNER MINES, INC., 132 S. Main St., Salt Lake City

✓ Pres. E. S. Bowman, 741 N. Crest. Dr., Tucson, Ariz.

✓ Sec. J. E. Hogle 132 S. Main, Salt Lake City

✓ Supt. B. W. Venable, 1325 E. Waverly, Tucson

1800 average - less than Nov. (176 men)

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Daisy Mine

Date March 30, 1955.

District Pima Mining Dist., --- Pima County

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from A. B. Bowman, Manager.

Location Located about 17 miles south of Tucson, and about one mile north-east of San Xavier Mine. Approx. Sec. 2 -- T 17 S - R 12 E.

Operators ✓ Banner Mining Co., Twin Buttes Road, Tucson, Ariz.

Officers ✓ Allan B. Bowman, Manager, 2042 Conner Strav., Tucson, Ariz. Tel. 6-2971

Metals and Minerals ✓ Copper ores ----both oxides and sulphides.

Number of Men Employed 51 men ----3 shifts working.

Production Rate About 5100 tons per month. Of this about 3500 tons ^{are} sulphide ores, which are sent to the Banner Mining Co. mill about 1/2 mile away for milling, and the remainder of about 1600 tons is shipped to the ~~the A. S. & R. smelter at El Paso, Texas~~ International Smelter at Miami, Arizona.

Ore Values Mr. Bowman reports that the ore sent to the mill runs about 2 1/2 % Copper. This is concentrated in the mill to 26 % concentrates. The ore is a mixture of chalcopryrite, chalcocite and bornite. The concentrates are shipped to the A. S. & R. smelter at El Paso, Texas.

Ore in Sight and Probable No reports on same issued by the company. Some exploration and development is still being conducted by the company.

Milling and Marketing Facilities The Banner Mining Co. mill about 1/2 mile west of the Daisy shaft. Mill is 400 ton per day capacity, and straight flotation is used. The ore from the Mineral Hill Mine is also milled there. Mill is now working at full capacity.

Mine Workings

1 shaft (vertical) ----- 450 ft. deep.

4 levels from shaft ---- 100, 200, 300 & 400 ft. levels.

Ores from the 100 ft. level are all oxides.

Ores from the 200 ft. level are mixed oxides with some sulphides.

Ores from the 300 ft. level and below are all sulphides.

Sulphides start in about 250 ft. down below the surface.

Extra Information Mr. A. B. Bowman, Manager, reports that the Banner Mining Co. has obtained a 10 year option on the Gould and Mile Wide mines near the South Mountain Park west of Tucson. No work is being done at present at either one of these properties.