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Arizona Department of Mines and Mineral Resources Mining Collection

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BLACK BEAUTY

ALTERNATE NAMES:

LUCKY JACK
DESERT
BLUNDER
GLADYS

LA PAZ COUNTY MILS NUMBER: 158

LOCATION: TOWNSHIP 7 N RANGE 17 W SECTION 8 QUARTER C
LATITUDE: N 33DEG 57MIN 51SEC LONGITUDE: W 114DEG 03MIN 11SEC
TOPO MAP NAME: BOUSE - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

MANGANESE

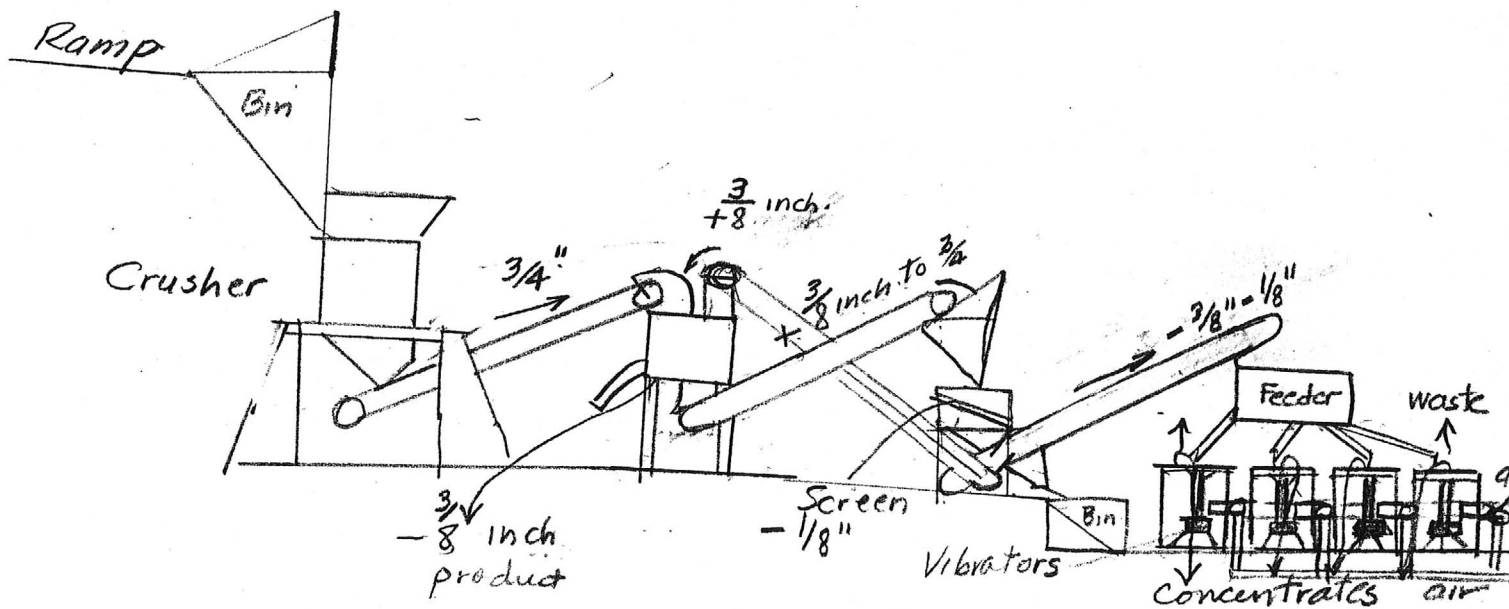
BIBLIOGRAPHY:

FARNHAM, L.L., & STEWART, L.A., 1958,
USBM IC 7843, P. 75
ADMMR BLACK BEAUTY FILE
SCARBOROUGH, ROBERT - (ADMMR GEOLOGY FILE)
AZBM BULL 180, P 219

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine *Black Beauty Mill.*
District *Plomosa, Yuma Co.*
Subject: *Davis Concentration Plant.*

Date *1-9-59*
Engineer *Herbert A. Smith*



DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Black Beauty

Date 1-8-59

District Plomosa Dist., Yuma County

Engineer Lewis A. Smith

Subject: Mine Visit

Location: 6 miles north of Ramsey Station (between Quartzsite and Salome, near Brenda) (Sec. 35, T. 5 N., R. 17 W). The nearest railhead is at Bouse, reached by 17 miles of dirt road.

Property: 8 unpatented claims (Located in 1943).

Owners: Raymond Perry et al, Box 27, Star Route I, Salome, Arizona.

Principal Minerals: Manganite with some Pyrolusite and Psilomelane.

Topography: The mine lies on a low spur ridge projected out from the north from the Plomosa Range into the Ranagras Plain. The ridge consists of alternating cliffs and slopes, none of which are extensive. The slopes on an average are fairly steep.

Geology: Generally the area consists of a series of volcanic flows largely composed of several alternate andesite and andesite tuff layers. These after an erosional epoch were capped by white to gray soda rhyolite flows. However, at the mine the rhyolite, except for a few very limited patches, has been removed by erosion, and appears to be later than the mineralization. The ridge trends N-S, or parallel to the flow trends. The flows roughly dip westward at flat angles.

The andesitic series has been intensely brecciated by a shear zone which trends in a rough EW direction, or transverse to the bedding and the ridge. Two generations of mineralization are evident as follows:

- (1) Pre-mineral epitodization (minor chloritization)
- (2) Manganese mineralization

Calcite and secondary chalcedonic quartz are present, but their association with the two main mineral epochs is indefinite, although some evidence that the chalcedony was pre-epidote was found.

Work: The mine was developed by a long cut which is 30' deep at the deepest place, and about 150' long. Smaller cuts and pits show manganese mineralization over a length of 2000'. The drilling is accomplished with a Denver wagon drill and the broken muck is loaded by trackscavator into a 2 ton Ford truck. The mill is set up at a point 450-500' south.

The mill is a portable dry one, consisting of a hammer mill, jaw crusher in closed circuit with a Swanson Classifier. The undersize goes to a rotary feeder and the oversize is returned to a hammer mill. 4 Davis air concentrating tables are used to separate the manganite from the gangue. The average concentration ratio is 3 to $3\frac{1}{2}$ to 1, the ore averaging 12-15% Mn and the concentrate runs in excess of 40% Mn (average 42%). The capacity of the plant is 8 tons per hour.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Black Beauty

Date May 5, 1961

District Plomosa District, Yuma Co.

Engineer Lewis A. Smith

Subject: Interview with Raymond Perry.

Mr. Perry states that his manganese ore at the Black Beauty was sampled by drill samples, and ran from 12 to 32 percent, but would average under 20 percent Mn. He stated that he has a good reserve of ore amenable to open pit mining. Concentration tests indicate that it can be beneficiated up to more than 40 percent. The principal mineral is manganite. Perry stated that he would prefer to lease the mine for royalty.

References:

ABM Bull. 180, p. 219

BLACK BEAUTY

LA PAZ COUNTY
T7N R17W Sec 8
PLOMOSA DIST.

MILS Yuma Index #158

ABM Bulletin 180, p. 219

Geology Report - Scarborough, Robert, "Field Trip to Northern Plomosa Mtns."

Bouse, AZ 15' Topo (included in file)

DEPARTMENT OF MINERAL RESOURCES

State of Arizona

MINE OWNER'S REPORT

Date 1-8-59

1. Mine: Black Beauty
2. Location: Sec. 35 Twp. 5N Range 17W Nearest Town Salome Distance 22
Direction E Nearest R.R. Bouse Distance 17 miles
Road Conditions 6 miles of good dirt road to 60-70 Highways.
3. Mining District and County: Plomosa Dist., Yuma
4. Former Name of Mine: None
5. Owner: Raymond Perry et al.
Address: Box 27 Star Route I Salome
6. Operator: ✓
Address: ✓
7. Principal Minerals: Manganite (some Psilomelane + Pyrolusite)
8. Number of Claims: Lode 8 Patented _____ Unpatented ✓
Placer _____ Patented _____ Unpatented _____
9. Type of Surrounding Terrain: Low Hilly - average slopes 20-25°
Readily accessible by good dirt road.
10. Geology and Mineralization: Series of volcanic flows with andesite and andesite tuff alternating and capped by later rhyolite flow. The andesite rocks are intensely altered and exhibit a fine epidote in the mineralized zone. Fracture pattern - Dip indeterminate. Fractures 1500' wide with certain areas brecciated. Some areas are almost entirely converted to epidote.
11. Dimension and Value of Ore Body: Large mineralized area with manganese content ranging from a few percent up to 42% (higher-grade veins).

Please give as complete information as possible and attach copies of engineer's reports, shipment returns, maps, etc. if you wish to have them available in this Department's files for inspection by prospective lessors or buyers.

(over)

12. Ore "Blocked Out" or "In Sight": Blocked out immediately ahead of
mining. Bulldozer cut, 30' deep, shows continuous mineralization
for length of 200'.

Ore Probable: Large area of developable ground

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts..... 6	10'	Location, bits.
Raises.....		
Tunnels.....		
Crosscuts.....		
Stopes.....		

Cuts over 500 feet of length, one deep one (maximum 30' deep)

14. Water Supply: None.

15. Brief History: The first locations were in 1912.

16. Remarks: Mill consisting of ^{Hammermill and} Crusher, Swenson Classifier, and
4 Davis dry air separators with a capacity of 8 tons per hour.
All units connected by belt conveyors. The whole mill is
portable.

17. If Property for Sale, List Approximate Price and Terms: Not interested in disposing
of the property.

18. Signature: [Signature]

DEPARTMENT OF MINERAL RESOURCES

State of Arizona

MINE OWNER'S REPORT

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Ore Probable: Large area of developable ground

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts..... 6	10'	Location pits.
Raises.....		
Tunnels.....		
Crosscuts.....		
Stopes.....		

Cuts over 500 feet of length one deep one (maximum 30' deep)

14. Water Supply: None.

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All units connected by belt conveyors. The whole mill is
portable.

17. If Property for Sale, List Approximate Price and Terms: Not interested in disposing
of the property.

18. Signature: L. J. [illegible]