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05/05/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: BLACK MESA COPPER CLAIMS

ALTERNATE NAMES:

LA PAZ COUNTY MILS NUMBER: 308

LOCATION: TOWNSHIP 3 N RANGE 17 W SECTION 17 QUARTER SE
LATITUDE: N 33DEG 36MIN 04SEC LONGITUDE: W 114DEG 01MIN 48SEC
TOPO MAP NAME: QUARTZSITE - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

LEAD
SILVER
COPPER
GOLD LODE

BIBLIOGRAPHY:

KEITH, S.B., 1978, AZBM BULL. 192, P. 167
ADMMR BLACK MESA COPPER CLAIMS FILE

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA
LaPaz County
Elomosa Mts.
Raymond Perry Claim

MM480 Silver ore
MM481 Silver ore
MM482 Silver ore
MM-1692A Chalcedony, copper stained
MM-1692B Chalcedony, copper stained.

MILS # 308

O-A.A. 2

BLACK MESA COPPER CLAIMS (file)

NAME OF MINE: **BLACK MESA**

OWNER:

COUNTY: YUMA

DISTRICT:

METALS: Ag, Pb

OPERATOR AND ADDRESS

MINE STATUS

Date:

3/47

E. C. Jennings, Quartzsite

Date:

3/47

Shipping

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA

MM 483 Cerargyrite w/silver ore

LaPaz County

Plumosa Mtns

Black Mesa Mine

MILS #308

O-AKA₃

BLACK MESA COPPER CLAIMS (file)

BLACK MESA COPPER CLAIMS

YUMA COUNTY

Mr. Williams visited Mr. John Wilson, January 7, 1965. Mr. Wilson said that the Black Mesa Copper Claims and the Black Mesa Group are the same thing. Mr. Wilson said that he was moving to Chloride permanently and would no longer have a Phoenix address. Mr. Wilson also stated that the information in this, 11-28-64, report was correct.
EGW (dictated) 1-8-65

Not active about six months. LAS 4-1965

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Black Mesa Group

Date January 5, 1962

District Plomosa District, Yuma Co.

Engineer LEWIS A. SMITH

Subject: Interview with Raymond Perry at Brenda

Owner: Mrs. Sussana Galbraith, Redwood, Oregon.

Property: 4 claims

Location: NW tip of Black Mesa

Minerals: Silver, lead, copper and some gold.

Work: 300 feet of tunnels (6 in all) the longest being 100 feet. 20 foot winze at breast of 100 foot tunnel (deepened 10 feet by Perry in 1961 for assessment work).

Geology: The deposit is a replacement of limestone which is overlain by basalt cap rock. The ore solutions found access to the limestone along shear fractures which trend nearly N-S. Lenses of ore occur where transverse slip-faults cross the shear zone. According to Perry the slip faults are also mineralized indicating that the shear and the slip faults are both pre-mineral. Perry also stated that he sampled a lense at the bottom of the winze and obtained an assay of 12 percent copper and over 100 ounces of silver. He did not know the extent of the mineral zone but the lense was $1\frac{1}{2}$ feet wide and appeared to be widening in depth. It was dipping steeply to the north. Other such lenses higher up, contained galena, cerussite, anglesite and silver. The mine is reported to have produced a few small shipments of high grade lead-silver ore during the early 1900s. The vein matter consists of lamellar quartz in a cellular boxwork form. The angular vugs are lined by cerussite, chrysocolla, malachite, brochantite, siderite, ankerite, calcite and limonite. The silver was probably present as cerargyrite, although the galena specimens carried some sooty argentite (?). No copper sulphides were found. The galena lenses assay up to 50 percent lead and up to over 200 ounces in silver (Perry had 2 assay reports on this). He stated that the lenses were small and tended to break up into stringers.

Perry wants financial aid to develop deeper since he can obtain a lease on the mine.