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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MARY JANE

ALTERNATE NAMES:

SANTA CRUZ COUNTY MILS NUMBER: 3J

LOCATION: TOWNSHIP 24 S RANGE 16 E SECTION 3 QUARTER C
LATITUDE: N 31DEG 22MIN 10SEC LONGITUDE: W 110DEG 41MIN 38SEC
TOPO MAP NAME: LOCHIEL - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

ZINC
LEAD
COPPER
SILVER
GOLD

BIBLIOGRAPHY:

KEITH, S.B., 1975, AZBM INDEX OF MINING PROP.
IN SANTA CRUZ CO.
AZBM CARD FILE SANTA CRUZ CO.
ADMMR MARY JANE MINE FILE
ADMMR NASH MINE FILE
AIME TRANSACTIONS VOL. 36 (1906) P. 626-646
USGS BULL. 582, P. 322-330

REFERENCES:

See: T.A.I.M.E., Vol 36, pp 626-646
USGS Bull. 582, p. 322-330.

ABM Bul. 191, p. 79

ADMR Nash Mine file

ABN Card File, Santa Cruz County

MILS Sheet sequence number 0040230277

JULY 9, 1958

SANTA CRUZ COUNTY
DUQUESNE MINING DIST.

✓
MARY JANE MINE

See: Report on the DUQUESNE MINING
AND REDUCTION COMPANY

By- Franklin Wheaton Smith
April 15, 1916

In- "DUQUESNE" (file)

Property purchased by Carl Sandberg, 7425 N. Obregon
Tucson, and Fred Williams, 2060 Yandes Street
Indianapolis, Indiana (2).

See complete report in the Nash Mine file.

ALJ MEMO Nov. 12, 1964.

LEAD-ZINC QUESTIONNAIRE

October _____ 1957.

Do you approve of the Emergency Lead-Zinc Committee's seeking relief for the lead-zinc industry and has it your authorization to speak for you? Yes

What Arizona Mines and Mills in the lead-zinc class do you control?

(1) Mary Lane
(2) _____

Which ones are operating? (1) None (2) _____

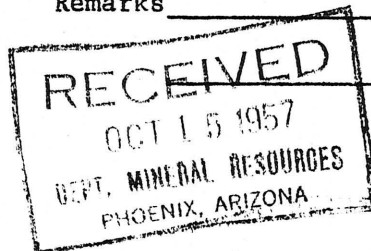
If not operating, when shut down? (1) Aug 1-1957 (2) _____

Number employed, prior to shut-down, in mine, mill or sections thereof producing lead or zinc ores? (1) 2 (2) _____

Number so employed on January 1, 1957? (1) 2 (2) _____

Number so employed on October 1, 1957? (1) 0 (2) _____

Remarks _____



Company _____

By: Albert H. H. [Signature]
Signature

Please fill in NOW, tear off, and mail to:

Arizona Department of Mineral Resources
Mineral Building, Fairgrounds
Phoenix, Arizona

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Mary Jane Mine

Date March 15, 1957 & Jan. 18, 1957

District Duquesne District --- Santa Cruz Co.

Engineer Axel L. Johnson.

Subject: Mine Report. Personal Visit on Jan. 18. Information from Alberto DeLaOssa on 3/15

Location Near Washington Camp.

Number of Claims 1 patented claim.

Owners Nash Mines, 406 Nash Bldg., Austin, Texas.

Lessees & Operators Alberto DeLaOssa, Lochiel, Ariz. Lease executed Nov. 25, 1955.

Principal Minerals Lead, Zinc, Copper, Silver.

Number of men working 2

Production Rate About 50 tons per month, shipped to the Trench mill.

Ore Values Average about 2 % copper, 3 % lead, 8 % zinc, and 6 oz. silver.
However, last shipment ran 1 % copper, 5 1/2 % lead, 6 % zinc, and 5 oz. silver.

Marketing Facilities m Ore hauled by Strong and Harris to the Trench mill at \$ 1.25 per

Present Operations Stoping the ore from the 80 ft. level of the 80 ft. incl. shaft.

Future Plans To sink the 80 ft. deep inclined shaft (incl about 80 deg.) to a depth
of 100 ft. or further.

Referances None.

* GENERAL REFERENCES:

REFERENCE 1. F1 < ABG-MT- 3M FILE DATA >
 REFERENCE 2. F2 < USBM FILES, MARY JANE MINE >
 REFERENCE 3. F3 < ADMR FILE DATA, MARY JANE MINE >
 REFERENCE 4. F4 < BLM DISTRICT MINING SHEET 727 >

K5 < NW-TRENDING GARNET ZONE EXPOSED ON EMPIRE CLAIM >

N5 < SEDIMENT BELT 12.5 MILES LONG AND 1.25 MILES WIDE SURROUNDED BY IGNEOUS ROCKS WHICH ALSO FORM DETACHED MASSES AND DIKES WITHIN BELT >

F5 < SIMONS F.S. 1974 USGS MAP I-762 (1:48000) >

F6 < KEITH S.B. 1975 ABM BULL. 191, p. 79 >

F7 < LEHMAN NORMAN E. 1978 THE GEOLOGY AND PYROMETASOMATIC ORE DEPOSITS OF THE WASHINGTON CAMP-DUQUESNE DISTRICT, SANTA CRUZ COUNTY, ARIZONA; PH.D. DISSERTATION, UNIVERSITY OF ARIZONA, p. 126-143 MAPS >

F8 < CROSBY W.O. 1906 THE LIMESTONE-GRANITE CONTACT DEPOSITS OF WASHINGTON CAMP, ARIZONA; AIME TRANSACTIONS, VOL. 36, p. 626-646 >

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER B10 < >
 REPORT DATE G1 < 8.2.05 >
 YR. MO.
 REPORTER(SUPERVISOR) G2 < CALDER SUSAN R. >
 (last, first, middle initial) (last, first, middle initial)
 REPORTER AFFILIATION G5 < ABG-MT >
 SYNONYMS A11 < >
 DEPOSIT NUMBER B40 < >
 INFORMATION SOURCE B30 < 1.2 >
 FILE LINK IDENT. B50 < USBM-0040230277 >
 SITE NAME A10 < MARY JANE MINE >

LOCATION

MINING DISTRICT/AREA A30 < WASHINGTON CAMP DISTRICT >
 COUNTY A60 < SANTA CRUZ >
 STATE A50 < AZ >
 COUNTRY A40 < U.S. >
 PHYSIOGRAPHIC PROV A63 < 1.2 >
 DRAINAGE AREA A62 < 1.505030.1 >
 LOWER COLORADO
 QUADRANGLE NAME A90 < LOCHIEL >
 (1.9.58.)
 QUADRANGLE SCALE A100 < 6.2500. >
 SECOND QUAD NAME A92 < DUQUESNE >
 (1.9.48.)
 SECOND QUAD SCALE A91 < 24000. >
 ELEVATION A107 < 5600. >
 FT.

JTM

NORTHING A120 < 3470400 >
 EASTING A130 < 529100 >
 ZONE NUMBER A110 < 12 >

* ACCURACY

ACCURATE ACC (circle)
 ESTIMATED EST
 USED USBM FILES: BLM
 DISTRICT MINING SHEET 727

GEODETTIC

LATITUDE A70 < 31-22-10N >
 LONGITUDE A80 < 110-41-38W >

CADASTRAL

TOWNSHIP(S) A77 < 024S >
 SECTION(S) A79 < 03 >
 SECTION FRACTION(S) A76 < SE OF SW OF SE >
 MERIDIAN(S) A81 < GILA AND SALT RIVER >
 RANGE(S) A78 < 016E >

POSITION FROM NEAREST PROMINENT LOCALITY A82 < ABOUT 1.0 MILE SOUTH OF WASHINGTON CAMP >
 LOCATION COMMENTS A83 < ADJACENT ON NW TO EMPIRE MINE AND ON NE TO BELMONT MINE >

ESSENTIAL INFORMATION
 ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

COMMODITIES PRESENT C10 CU, ZN, AU, Pb, Ag
 ORE MINERALS C30 SPHALERITE, GALENA, PYRITE, CHALCOPYRITE
 COMMODITY SUBTYPES C41
 GEN. ANALYTICAL DATA C43 ORE VALUES AVERAGED ABOUT 7% Zn, 1.6% Pb, 2% Cu, 1.6 OZ./TON Ag
 FORM. INFO. COMMENTS C50

SIGNIFICANCE

PRODUCER
 MAJOR PRODUCTS MAJOR Pb, Zn, Au, Ag
 MINOR PRODUCTS MINOR CU
 POTENTIAL PRODUCTS POTEN
 OCCURRENCES OCCUR AU

NON-PRODUCER

MAIN COMMODITIES PRESENT C11
 MINOR COMMODITIES PRESENT C12
 OCCURRENCES OCCUR

*PRODUCTION

PRODUCER
 PRODUCTION YES (circle) PRODUCTION SIZE SMALL (circle one) MED LARGE (circle one)
 NON-PRODUCER
 PRODUCTION NO (circle one)

EXPLORATION OR DEVELOPMENT

STATUS
 PRODUCER
 STATUS AND ACTIVITY A20 4
 NON-PRODUCER
 STATUS AND ACTIVITY A20

DISCOVERER L20
 YEAR OF DISCOVERY L10 LATE 1800'S NATURE OF DISCOVERY L30 B YEAR OF FIRST PRODUCTION L40 1955 YEAR OF LAST PRODUCTION L45 1957
 PRESENT/LAST OWNER A12
 PRESENT/LAST OPERATOR A13
 EXPL./DEV. COMMENTS L110 PROPERTY COMPRISES 1 PATENTED CLAIM. OWNERS AND OPERATORS INCLUDED DUQUESNE MINING AND REDUCTION CO., NASH MINES, ALBERTO DE LA OSSA (1957)

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S) C40 REPLACEMENT
 DEPOSIT FORM/SHAPE M10 IRREGULAR LENSES
 DEPTH TO TOP M20 UNITS M21
 DEPTH TO BOTTOM M30 UNITS M31
 DEPOSIT SIZE M15 SMALL M15 MEDIUM M15 LARGE (circle one) MAXIMUM LENGTH M40 MAXIMUM WIDTH M50 MAXIMUM THICKNESS M60
 STRIKE M70 DIP M80
 DIRECTION OF PLUNGE M100 PLUNGE M90
 DESC. COMMENTS M110 IRREGULAR LENSES ARE SMALL AND SPOTTY

DESCRIPTION OF WORKINGS

Workings are: SURFACE M120 UNDERGROUND M130 BOTH M140 (circle one)
 DEPTH BELOW SURFACE M160 UNITS M161
 LENGTH OF WORKINGS M170 UNITS M171
 DEPTH OF WORK. COM. M220 DEVELOPMENTS INCLUDED 80-FT INCLINED SHAFT, STOPPED AT 80-FT. LEVEL; SOME TUNNEL AND OPEN CUT OPERATIONS
 OVERALL LENGTH M190 UNITS M191
 OVERALL WIDTH M200 UNITS M201
 OVERALL AREA M210 UNITS M211

GEOLOGY

AGE OF HOST ROCK(S) K1 EPERM
 HOST ROCK TYPE(S) K1A CRYSTALLINE LIMESTONE
 AGE OF IGNEOUS ROCK(S) K2 TERT. 58 ± 5 M.Y. DATE ON HORNBLENDE (SIMONS, F.S., 1974)
 IGNEOUS ROCK TYPE(S) K2A BIOTITE-HORNBLENDE GRANODIORITE DIKES AND SILLS
 AGE OF MINERALIZATION K3 LCRET.-TERT.
 PERT. MINERALS (NOT ORE) K4 GARNET, SILICATED LIMESTONE, QUARTZ, CALCIUM SILICATES
 ORE CONTROL/LOCUS K5 IRREGULAR LENSES IN HIGHLY METAMORPHOSED LIMESTONE, IN OR NEAR
 MAJ. REG. TRENDS/STRUCT. N5 MINERAL DEPOSITS OF WASHINGTON-DUQUESNE AREA OCCUPY A LIMESTONE
 TECTONIC SETTING N15 DUQUESNE FAULT BLOCK
 SIGNIFICANT LOCAL STRUCT. N70 GRANODIORITE INTRUSIONS NEARBY
 SIGNIFICANT ALTERATION N75 PYROMETASOMATIZED LIMESTONE
 PROCESS OF CONC./ENRICH. N80 PARTIAL OXIDATION NEAR SURFACE; SUPERGENE ENRICHMENT IN SILVER
 FORMATION AGE N30 EPERM
 FORMATION NAME N30A COLINA LIMESTONE
 SECOND FM AGE N35
 SECOND FM NAME N35A
 GNEOUS UNIT AGE N50
 GNEOUS UNIT NAME N50A
 2ND IG. UNIT AGE N55
 2ND IG. UNIT NAME N55A
 GEOLOGY COMMENTS N85

GENERAL COMMENTS

GENERAL COMMENTS GEN