

MRDS RECORD NUMBER.....D009712
RECORD TYPE.....S
REPORTER.....MENZIE, DAVID
REPORTER AFFILIATION.....NMBMMR
REPORT DATE.....82 11
EDITOR

NAME DATE COMMENTS
MENZIE, DAVID 11/01/82

SITE NAME.....COMBINATION-HOBO MINES
SYNONYM NAME.....BLACK HAWK MINE: COMBINATION GROUP; CLAIMS PATENTED IN 1922; (COMBINATION); (WOODROW WILSON);
 (INDEPENDENCE); (GOOD HOPE): HOBO GROUP; CLAIMS PATENTED IN 1903;
 (HOBO); (97)
MINING DISTRICT/AREA.....CENTRAL DISTRICT

COUNTRY.....UNITED STATES COUNTRY CODE.....US
STATE.....NEW MEXICO STATE CODE.....NM
COUNTY OR PROVINCE NAME.....GRANT

PHYSIOGRAPHIC PROVINCE.....12 BASIN AND RANGE
DRAINAGE AREA.....13030202 RIO GRANDE
LAND STATUS.....01
QUADRANGLE NAME.....SANTA RITA QUADRANGLE SCALE 1:24000
QUAD 250K.....SILVER CITY
ELEVATION.....6300 FT

LATITUDE.....32-47-48N LONGITUDE.....108-06-12W

SECTIONAL FRACTION.....SE
SECTION.....29
TOWNSHIP.....017S
RANGE.....012W
MERIDIAN.....NEW MEXICO
POSITION FROM NEAREST LOCALITY.....ABOUT 10.5 MILES N 82 E OF SILVER CITY.
LOCATION COMMENTS.....ACCURATE LOCATION IS FOR THE MAIN SHAFT OF THE HOBO MINE AS SHOWN ON THE SANTA RITA TOPOGRAPHIC
 QUADRANGLE.

COMMODITY TYPE.....METALLIC
COMMODITIES PRESENT.....ZN PB CU AG
MAJOR.....ZN PB CU AG
ORE MATERIALS.....SPHALERITE; GALENA; CHALCOPYRITE; UNKNOWN AG
NON-ORE MINERALS.....GANGUE: QUARTZ, CALCITE, PYRITE

LOCAL STRUCTURE.....DEPOSITS OCCUR ALONG THE NORTHEAST STRIKING HOBO FAULT.
ORE CONTROL.....MINERALIZATION REPLACED FAVORABLE HOST ROCK ADJACENT TO A LARGE FAULT ZONE.
AGE OF MINERALIZATION.....TERT
HOST ROCK.....LIMESTONES
HOST ROCK AGE.....MISS-PENN
 HOST ROCK UNIT

AGE NAME
LAKE VALLEY LIMESTONE MISS
OSWALDO FM. PENN

ASSOCIATED ROCK.....QUARTZ DIORITE
ASSOCIATED ROCK AGE.....CRET-TERT

DEPOSIT SIZE.....M
DEPOSIT TYPE.....REPLACEMENT
DEPOSIT FORM.....IRREGULAR
DEPOSIT DESCRIPTION COMMENTS.....SIX PATENTED CLAIMS MINERAL SURVEY NUMBERS 1102 AND 1844 COVERING 78.866 ACRES.

PRODUCTION SIZE.....MEDIUM
YEAR OF LAST PRODUCTION.....1952
STATUS AND ACTIVITY.....6 INACTIVE DEVELOPED PRODUCER
NATURE OF DISCOVERY.....ORE MINERAL OR MATERIAL IN PLACE
OWNER (PRESENT/LAST).....UNITED STATES SMELTING, REFINING AND MINING CO. (1950'S)
OPERATOR.....BLACK HAWK CONSOLIDATED MINES CO. AND AMERICAN SMELTING AND REFINING CO. (1940'S)

DESCRIPTION OF WORKINGS.....UNDERGROUND
DEPTH BELOW SURFACE.....650 UNITS...FT
DESCRIPTION OF WORKINGS COMMENTS.....WORKINGS CONSIST OF NUMEROUS SHAFTS UP TO 650 FT. DEEP AND CONTAINING EXTENSIVE DRIFTS AND
 STOPEs.

REFERENCE.....ANDERSON, E. C., 1957 NMBMMR BULL 39, P. 58-59
REFERENCE.....HERNON, R. M., JONES, W. R., AND MOORE, S. L., 1964 USGS GEOLOGIC MAP, GQ-306
REFERENCE.....JONES, W. R., HERNON, R. M., AND MOORE, S. L., 1967 USGS PP 555, 144 PAGES
REFERENCE.....NMBMMR GENERAL FILE DATA
INFORMATION SOURCE.....12

 CUMULATIVE PRODUCTION

ITEM	ACCURACY	AMOUNT	THOUS UNITS	YEARS	GRADE
ZN	EST	25000.	LB	1938 TO 1946	ESTIMATED ORE GRADE 9.6% ZN.
PB	EST	5000.	LB	1938 TO 1946	ESTIMATED ORE GRADE 1.9% PB.
CU	EST	700.000	LB	1938 TO 1946	ESTIMATED ORE GRADE 0.3% CU.
AG	EST	175.000	OZ	1938 TO 1946	

 ESTIMATED ORE GRADE 1.3 OZ AG/TON.

SOURCE OF PRODUCTION INFORMATION.....ANDERSON, E. C., 1957, P. 57-58.
PRODUCTION COMMENTS.....PRODUCTION PRIOR TO 1938 AND AFTER 1946 IS INCLUDED WITH OTHER MINES AS CUSTOM ORE AND NOT
 REPORTED SEPARATELY. IN 1948 THE COMBINATION-HOBO MINES WERE
 REPORTED TO BE PRODUCING 200 TONS OF ORE PER DAY.
