

MRDS RECORD NUMBER.....D009726
RECORD TYPE.....S
FILE LINK ID.....PMR
REPORTER.....MENZIE, DAVID
REPORTER AFFILIATION.....NMBMMR
REPORT DATE.....82 11
UPDATER.....SEANOR, CLINT E. (WORL, RON); BOLM, KAREN S.
UPDATE DATE.....84 07; 90 02

SITE NAME.....PRINCESS MINE
SYNONYM NAME.....PRINCESS GROUP: CLAIMS; (PRINCESS); (SITTING BULL); (SITTING BULL NO. 2); (SITTING BULL NO. 3)
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

LATITUDE.....32-48-05N LONGITUDE.....108-05-24W

SECTIONAL FRACTION.....NW
SECTION.....28
TOWNSHIP.....017S
RANGE.....012W
MERIDIAN.....NEW MEXICO
POSITION FROM NEAREST LOCALITY.....ABOUT 11 MILES N 80 E OF SILVER CITY.
LOCATION COMMENTS.....ACCURATE LOCATION IS FOR THE PRINCESS SHAFT SHOWN ON THE SANTA RITA TOPOGRAPHIC QUADRANGLE.

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

ORE CONTROL.....MINERALIZED SOLUTIONS REPLACED FAVORABLE HOST ROCKS.
AGE OF MINERALIZATION.....TERT
HOST ROCK.....LIMESTONES
HOST ROCK AGE.....MISS-PENN
HOST ROCK UNIT

AGE	NAME	
LAKE VALLEY	LIMESTONE	MISS
OSWALDO FM.	PENN	
SYRENA	PENN	

ASSOCIATED ROCK.....QUARTZ DIORITE AND GRANODIORITE PORPHYRY
ASSOCIATED ROCK AGE.....CRET-TERT
ASSOCIATED ROCK UNIT

AGE	NAME	
FIERRO-HANOVER	STOCK	CRET-TERT

DEPOSIT SIZE.....M
DEPOSIT TYPE.....REPLACEMENT
DEPOSIT FORM.....IRREGULAR
DEPOSIT DESCRIPTION COMMENTS.....FOUR PATENTED CLAIMS MINERAL SURVEY NUMBER 2025 COVERING ABOUT 60 ACRES. REPLACEMENT OF PENNSYLVINIAN OSWALDO LIMESTONE AND SYRENA FORMATION SOUTH OF

FIERRO-HANOVER STOCK.

PRODUCTION SIZE.....SMALL
YEAR OF LAST PRODUCTION.....1969
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., SALT LAKE CITY, UTAH (1969)
OPERATOR.....UNITED STATES SMELTING, REFINING AND MINING CO. (1969)

DESCRIPTION OF WORKINGS.....UNDERGROUND
DEPTH BELOW SURFACE.....1500 UNITS...FT
DESCRIPTION OF WORKINGS COMMENTS.....WORKINGS REPORTED IN 1957 CONSISTED OF A 1500 FT. VERTICAL SHAFT WITH FOUR LEVELS.

GENERAL COMMENTS.....RECORD # D011688 BY CLINT E. SEANOR HAS BEEN INCORPORATED INTO THIS RECORD.

REFERENCE....ANDERSON, E. C., 1957 NMBMMR BULL 39, P. 7, 58-59, 61
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
REFERENCE....JONES, W.R., AND HERRON, R.M., 1973, U.S. DEPARTMENT OF COMMERCE, NATIONAL TECHNICAL INFORMATION SERVICE PB 214, 371, P. 14.
REFERENCE....SPENCER, A.C., AND PAIGE, SIDNEY, 1935, U.S. GEOLOGICAL SURVEY BULL. 859, P. 69.
INFORMATION SOURCE.....12

ITEM	ACCURACY	AMOUNT	THOUS UNITS	YEAR	GRADE
ZN	ACC	5894.	LB	1969	RECOVERED
CU	ACC	139.400	LB	1969	RECOVERED
PB	ACC	41.700	LB	1969	RECOVERED
AG	ACC	9.70400	OZ	1969	RECOVERED
AU	ACC	0.07700	OZ	1969	RECOVERED
ORE	ACC	32.081	TONS	1969	AVERAGE GRADE; 11.51% ZN; 0.3% CU; 0.2% PB; 0.5 OZ AG/TON

SOURCE OF PRODUCTION INFORMATION.....CONFIDENTIAL USBM PRODUCTION RECORDS.
