1900 0004	(169)
PROPERTY NAME: Freiberg Mine	County: Lincoln Item 4
OTHER NAMES:	Mining District: Freiberg
MINERAL COMMODITY(IES): Ag, (Pb, Zn, Cu)	
TYPE OF DEPOSIT: Replacement (disseminated), vein	AMS Sheet: <u>Caliente</u> Quad Sheet: <u>Caliente</u> 2° sheet
	Quad Sheet: Odd Terree 2 Sheet
ACCESSIBILITY:	Sec. <u>20?</u> , T <u>1N</u> , R <u>57E</u>
OWNERSHIP: Freiberg Mining Corp., Lynn Shirley, Manager, 301 Sout 11th street, Las Vegas, NV 89101. PRODUCTION: One 50-ton shipment yielded 70.6 ounces of Ag & 6.5% ANSWAX Pb. Total production from the district from 1919-1948 is recorded as 274 oz Au, 2,359 oz Ag, 12,600 lbs. Pb, & 7,600 lbs. Zn. (NBMG Bull. 73) DEVELOPMENT: This is main working observed in the district. It is of horseled as 1 least of the standard for the district. It is so the standard for	North East $G Z Z G O O$ Zone See a small open pit consisting
of benched & blasted, east-facing slope drilled to 5' center canyon & north & south of minesite along low slopes in area activity of TIME OF EXAMINATION: Listed as active, heap leach, Ag mine for the years 1980-19	South of open pit (in drainage n pit near road.
open pit is developed in bedded carbonates of the Cout consists of two benches about 100-150' long (N-S direct (in E-W direction). Main rock type exposed in floor & wes fine-medium crystalline dolomite & dolomitic limestone. The commonly bleached or marbelized. Fe-staining & pink(Fe) to ubiquitous. Some zones are finely brecciated, silicified & calcite & quartz. Fe-rich veinlets (hematite)cut through hoxidized. Beds of dolomite in the pit are highly fractured, but N-S (N10E) & dips 20° to the west. Several light-colored, cut the limestones at a high-angle to bedding (with N80E, E are irregular in shape. Oxidized, silicified & Fe-filled "fractures throughout entire cut face. The "veins" consist wallrock (Clay, silica & Fe). The strike & dip of an Fe-ri of pit is N70E, with a steep inclination to the north. A quartz veins cut through the sediments at the south end of clear in color, sugary to masssive texture & contains fract in addition to minor oxidized pyrite. The wallrocks adjace bleached & marbelized. Sample 1765 came from an ore pile on the floor of the typical Ag ore in that it consists of bleached, clay & sili	ordovician Pogonip Group. The cion) & 60-100' (total) width t wall of cut is dark-grey, e rocks are fractured, faulted & white calcite veining is recemented by pink & white ost & carry pyrite, mostly in general strike approximately siliceous aplite dikes (?) -W orientations). The dikes (?) veins"occupy steep fissures & of hydrothermally altered ch, fissure vein at the south end few irregular-shaped, white the pit. The quartz is white to ure coatings & vug vof pink Feoxs at to the vein are notably pit. The sample looks like ca-altered limestone which is
characterized by pervasive Fe-staining. Most of the ore is veinlets are common. A high-grade sample of brecciated cal	oxidized, & gossany pods &
pods of (argentiferous?) galena, oxidized pyrite, sphalerit **EXMANNEX** anglesite? & rhodochrosite. Cerussite.malachite & unus	e, cerussite, minor chalcopyrite, ual green crusts (AgCl?) coat
fracture surfaces. Sample 1766 is oxidized Ag ore from sto	ckpiles below minesite.
Stockpile ore may have been derived from several locations including the open pit.	within the district,
Remarks: Samples 1765, 1766.	
REFERENCES:NBMG Speigal Publications, MI - 1980, MI-1981, MI-19	82,; NBMG Bull. 73.
Bentz/Smith	DATE WEITER: 10/7/83