1900 0006

(169) Item 6

PROPERTY NAME: Sample location 1761 & 1762

OTHER NAMES: New Freiberg project

MINERAL COMMODITY(IES): Cu, Pb, Zn?, Ag?, Ba?

TYPE OF DEPOSIT: Silicified fault zone, vein, dike

ACCESSIBILITY:

OWNERSHIP: T. Beam, B. Manfras

PRODUCTION:

HISTORY:

County: Lincoln

Mining District: Freiberg

AMS Sheet: Caliente

Quad Sheet: Caliente 2° sheet

Sec. 29 unsurv., T 1N, R 57E

Coordinate (UTM):

North 4198200 m

East 624200 m

Zone +11

DEVELOPMENT: Several shafts (inclined steeply to the W) & shallow prospects are located in area recently redeveloped by extensive exploratory drillings. These are southern most workings in Freiberg district. Drill roads contour around slopes near workings & extend for several miles to north along eastern range front. Near workings, drill holes are spaced at 10-20' intervals. Remains of an old Ag smelter are located at site. Dumps are bulldozed & trenched.

Activity at the time of examination: None at present, but area is staked & property was drilled in last 3-5 years.

Geology: Shafts & drill roads occur in area of low outcrops of grey & tan bedded limestone. Dominant rock type is dark & light-grey, recrystallized limestone which is cut thru by white veinlets of crystalline calcite. Near workings the limestones are notably bleached. According to county geologic map, the limestones are part of the Ordovician Pogonip Group. Outcrops are not prominent & no bedding attitudes were determined. However, a few Fe-stained ribs of jasperoid outcrop adjacent to shafts & in area of drill roads. The outcrops are fractured, brecciated & contain Feoxs boxworks & "gossany" vugs. A few oxidizied pyrite "ghosts" were noted in outcrop. Two especially prominent outcrops of jasperoid occur above drill roads & are explored by two shafts. The main jasperoid outcrop strikes N10-20E & dips 70-75W(NW) . The best exposure of the jasperoid indicates it is 25-30' in outcrop width. Altho outcrop of jasperoid is not prominent over ridge to north, jasperoid rubble is visible in float several 10's of feet north along strike. The jasperoid body shows fracture planes developed parallel to the trend of the outcrop. The body obviously marks the trace of a silicified, mineralized(?) fault zone within the limestone. An altered dike(?) (light color) intrudes the jasperoid zone nearby to the south.

Sample 1761 consists of calcite-cemented, limestone breccia with gossany (Fe & Mn) portions & containing pyrite, cerrusite, & malachite as lenses, clots & fracture coatings. Coarse calcite vein on dump contains a fair amount of partially oxidized pyrite also. The rocks are heavy & may contain barite. Scattered green minerals(coatings) are possibly anglesite or scorodite.

Sample 1762 is from the jasperoid outcrop adjacent to main shaft. It is heavily stained by Fe & Mnoxs.

Remarks: Quartzite float in area derived from outcrops of Eureka quartzite located to the south & above workings.

Sample 1761
1762

REFERENCES: NBMG Bull 73.

EXAMINER: Bentz/Smith

DATE VISITED: 10/7/83