1770 0004

(72) Item 4

PROPERTY NAME: Headman Mine

OTHER NAMES: King Midas

MINERAL COMMODITY(IES): Ag?, Mn, Pb?, Zn?

TYPE OF DEPOSIT: Fault, Replacement

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION:

HISTORY:

County: Lincoln

Mining District: Ely Springs

AMS Sheet: Caliente

Quad Sheet: Ely Springs 7 1/2'

Sec. 27?,34? T 1N R 65E

Coordinate (UTM):

North 4198260 m

East 0703320 m

Zone +11

DEVELOPMENT: Three adits as shown on map in addition to several short (less than 10' long) N-trending drifts. Lower adit has ore chute & large ore pile near entrance. Uppermost adit has tramline.

ACTIVITY AT TIME OF EXAMINATION: None, but property probably staked or patented.

GEOLOGY: Upper Cambrian Mendha limestones are host rock for fault & fracture-controlled replacement deposits. The limestones at minesite are medium-grey, medium to coarsely crystalline (recrystallized) & contain irregular pods & veins of white coarse calcite. Some pods reach up to 1' or more in width. Brown dolomitic (algal?) lenses are present locally. Below minesite, the carbonate beds strike N15W & dip 25° SW. Above & west of minesite, thick, grey limestone beds dip shallowly to the NW. Faults are abundant at minesite.

Main adit (sample location 1715) has track running out of portal & good size dump. This adit is probably lower access for higher mine levels as replaced rock not observed at portal. Altho the adit begins in a N35E-striking, vertical fracture (or fault) zone, 30' beyond the portal the adit turns gradually to the west.

Just west of sample location 1715 there is a short drift which follows a N-N10W, 70° E fault zone developed in grey, finely crystalline, medium to thinnly bedded limestones which are veined by white calcite. Along the fault zone the rocks are folded & fractured. Orange-brown, jaspery gossan is deposited along zone & extends outward along bedding in the limestone wallrocks. Irregular replacement pods & lenses are parallel to bedding of silicified, Fe-altered limestone. The gossan is slightly porous, siliceous & consists of a mixture of limonite, hematite, Feoxs & white powdery calcite. Sample 1715 consists of Fe-stained, oxidized, calcite-veined limestone.

Sample location 1716 lies above & to NW of main access. At this locality, a sinuous adit explores a south-dipping replacement zone in thin-medium bedded, grey limestone. Zone is marked by fracturing & abundant limonite & gossan. The zone parallels E-W bedding but brecciated appearance indicates it lies along E-W bedding plane fault.

REMARKS: Rock on dump is relatively unsilicified & altered to limonite & clay gouge. Calcite cements breccia. It looks like typical Ag ore; ie completely oxidized & no minerals observed other than yellow & green oxides possibly after Cl, As, Pb or Sb?

Samples 1715 Altered, Fe-stained limestone & white calcite vein.
1716 Altered limestone & calcite-veined limestone breccia with minor oxidized pyrite.
1567, Replacement ore, clots galena, sphalerite.

REFERENCES: NBMG Bull. 73.

EXAMINER: Bentz/Smith

DATE VISITED: 9/15/83?