

0370 0002

PROPERTY NAME: Highland Mine  
OTHER NAMES: Magmatic Quartz Mine  
MINERAL COMMODITY(IES): Au?  
TYPE OF DEPOSIT: Fissure Vein  
ACCESSIBILITY: \_\_\_\_\_  
OWNERSHIP: Precious Metals Associates, F.W. Lewis Co., 120  
Greenridge Rd., Reno, NV 89509.  
PRODUCTION: \_\_\_\_\_  
HISTORY: \_\_\_\_\_

near @ Item 4

County: Lander  
Mining District: Aspen  
AMS Sheet: Millet  
Quad Sheet: Buffalo Summit 7½'  
Sec. \_\_\_\_\_, T 15N, R 37E  
(Unsurveyed)  
Coordinate (UTM):  
North 4 3 3 2 4 7 5 m  
East 0 4 3 2 9 0 0 m  
Zone 11

DEVELOPMENT: 4 shafts, 3 of which are 10-20m each, and are probably over 100m (all estimated),  
Collar of main shaft caved; considerable recent bulldozer work.

ACTIVITY AT TIME OF EXAMINATION: None. Bulldozer trenches have been extensively sampled recently.

GEOLOGY: The mineralization of this property consists of quartz-bearing veins which cut altered Tertiary volcanic rock of intermediate composition. Two veins were recognized in an area of extensive argillic alteration over 0.2km<sup>2</sup>?. The eastern vein is probably of lesser importance; it trends N5W, 75NE and it is about 30cm wide. It contains bands of crustified chalcedonic white quartz as well as 2-3mm veinlets and stockworks in the wallrock. The wallrock is silicified near the vein and argillized over a considerable area. Sparse pyrite was seen, although most is probably oxidized. Some banded chalcedonic vein silica is brecciated and re-cemented by later silica. Near surface vein matter exhibits quartz after lamellar calcite; some salmon-colored calcite gangue is present locally.

The west vein has the main workings along it, including some stopes to the surface. The vein is crustified quartz bands in a zone which may be up to 2m wide. This vein trends N10-N30W and dips 60? to 70SW.

REMARKS: Photo 4 of bulldozer trenches and dumps, looking northwest. Sample 422 is of select vein matter from dumps along east vein.

REFERENCES: \_\_\_\_\_

EXAMINER: L.J. Garside

DATE VISITED: 12 Aug. 81