

0400 0004  
PROPERTY NAME: Big Four Mine  
OTHER NAMES: Pay Day Claims (1979)  
MINERAL COMMODITY(IES): Ag, Au  
TYPE OF DEPOSIT: Replacement/vein

ACCESSIBILITY: Private access. Property barricaded by no trespassing signs & locked gate.

OWNERSHIP: Phil Heater, 3445 Alpine View Court, Carson City NV 89701

PRODUCTION:

HISTORY:

County: Elko Ham 5 (44)  
Mining District: Aura  
AMS Sheet: McDermitt  
Quad Sheet: Bull Run 15'

Sec. 25, T 44N, R 52E

Coordinate (UTM):

North	4	6	1	4	7	0	0	m
East	0	5	7	7	2	5	0	m
Zone	+11							

DEVELOPMENT: Original prospects are now developed by several trenches & open cuts.

ACTIVITY AT TIME OF EXAMINATION: Currently mining on a small scale. Crushing equipment & stock piles of ore located below mine.

GEOLOGY: The actual mine site was not visited but a sample was collected from the stockpiles of ore located below trenches. Sample 1622 consists of massive, milky white quartz vein & quartz vein breccia containing clots of pyrite, galena, sphalerite & secondary coatings of CuOxs. The sample contains abundant FeOxs, pyrite & Fe-stained veinlets. Rock is highly altered & looks like typical Ag ore. The trenches are cut into a limestone/shale sequence probably part of the Ordovician Aura Fm. According to NBMG Bull. 60, the minesite is underlain by the mid-Jurassic quartz diorite Columbia stock. Breccia & wallrock gouge on dump indicates the vein is faulted or formed along a fault.

According to the first reference cited below, the ore is treated by cyanidation. In 1981, the mine employed 3 people.

REMARKS: Sample 1622

Photo

REFERENCES: NBMG Spec. Pub. MI - 1981, The Nevada Mineral Industry, p.33  
NBMG Bull. 60.

Bentz/Brooks

EXAMINER:

DATE VISITED: 9/2/82