1150 0006

PROPERTY NAME: Coal Canyon Mine

OTHER NAMES: Garmendi claims

MINERAL COMMODITY(IES): Sulfides, Ag?, Au?, Ba, No coal observed!

TYPE OF DEPOSIT: Replacement along thrust (bedding plane?)

ACCESSIBILITY:

OWNERSHIP: Texasgulf Western Inc. (see Garamendi Mine write-up)

PRODUCTION:

HISTORY: This mine is erroneously reported to be developed in oil shales. Texas Gulfs' recent work in this area indicates the presence of a massive sulfide deposit.

County: Elko

Mining District: Coal Mine

AMS Sheet: Wells

Quad Sheet: Coal Mine Basin 7 1/2'

Sec. 18,19, T 38N, R 56E

Coordinate (UTM):

North 4 5 5 9 9 7 5 m

East 0 6 0 8 9 1 0 m

Zone +11

DEVELOPMENT: Old workings consist of NW trending adit at SE base of hill & a N75E trending open cut about 150' long in area of shaft located at top of hill. Some drilling was done to NW of mine. An inclined shaft (about 20' deep) is located at the NW end of the open cut.

ACTIVITY AT TIME OF EXAMINATION: See Garamendi Mine write-up.

GEOLOGY: Adit at base of hill has water running out of portal. The dump is mostly composed of limestone & some siliceous lithologies. The limestone has a green, mottled appearance & is recrystallized, cut by calcite veinlets or thoroughly silicified. Like the other workings in this area, there is also abundant gossan on the dump. Sample 180A consists of siliceous, hematitic gossan with barite.

The open cut at the top of the hill explores a (N)E striking, N(W) dipping, moderately inclined (45°), gossany bedding plane or thrust (?) fault. The host rocks are fine-grained siliceous sediments which are brecciated & resilicified along the fault zone. The fault is capped by a very resistant rib of silicified & brecciated "jasperoid" along its entire length. Some of the fragments in the breccia are chert, others are siltstones & shales. The "jasperoid" is cut by gossan zones & breccia zones which appear to be parallel to relict bedding (N dipping). The "jasperoid" continues to outcrop beyond the cut to the W. In this area, the "jasperoid" shows vugs & fracture coatings of free opaline silica, opaline veins 1" to 1' in width, & brecciated & resilicified quartz vein breccia. The veins seem to parallel the NW dip of the fault zone. Siltstones outcrop north of the fault zone.

The fault exposed in the trench roughly parallels the boundary of an E-W thrust fault shown on USGS MF-528. The "jasperoid" or silicified breccia rib apparently marks the trace of the fault along strike. East of Coal Canyon Mine 1/4 mile are several shallow prospects in quartz veined jasperoid breccia.

The abundance of gossan in this area indicates this deposit is a sulfide replacement body in thrusted sediments.

REMARKS: Sample 180A - Siliceous hematitic gossan with vugs filled with barite from adit dump. Probably contain some fine-grained sulfides (notably pyrite). Gossan shows some boxwork structures. 180B - Outcrop sample of siliceous, quartz veined, jasperoid breccia.

Photos

REFERENCES: USGS MF -528

EXAMINER: Bentz/Brooks/Garside/Smith

DATE VISITED: 1st visit 6/10/82
*2nd visit 8/13/82

*Note - no sign of activity on property during our 2nd visit in August.