

3770 0021

PROPERTY NAME: Pine Mountain Barite

OTHER NAMES:

MINERAL COMMODITY(IES): Ba

TYPE OF DEPOSIT: Vein

ACCESSIBILITY:

OWNERSHIP: Wiley Johnson?

PRODUCTION:

HISTORY:

County: Elko

Mining District: Railroad

AMS Sheet: Winnemucca

Quad Sheet: Carlin 15'

Quad Sheet:

Sec. 35, T 31N, R 52E

Coordinate (UTM):

North 4 4 8 6 8 5 0 m

East 0 5 7 8 8 5 0 m

Zone +11

DEVELOPMENT: West-facing opencut by road (samp. loc. 170). Cut is 40' in height & 2-300' in length. Some drill roads & general devastation located about 1/4 mile NW of sampled cut. Obviously the claims have been further developed since Papke's visit in 1978.

ACTIVITY AT TIME OF EXAMINATION: Road to workings is recently graded. Some trenching (& possibly drilling) done within last few years.

GEOLOGY: Large open cut exposes a section of bedded shales & shaley limestones. Most of the beds are thin & strike N40W, 52SW. Some white barite vein material was found in the bottom of the cut, but some of the dark shales are quite dense & probably also contains barite. According to USGS Map I-1028, the prospects are hosted by the Devonian Devils Gate Fm.

Bedding plane & high-angle faults (or fissures) disturb the sedimentary sequence in several places. Hematite & limonite coated gouge from one of these structures was chip sampled across a 3 foot wide lateral horizon (Sample 170). The rocks are hydrothermally altered within the fault & fissure zones.

USGS Map I-1028 shows a NW trending, intrusive dike located just west of this prospect.

REMARKS: Sample 170

Photo

REFERENCES: U SGS Map I-1028

EXAMINER: Bentz/Brook

DATE VISITED: 6/8/82