

1370 0021

PROPERTY NAME: Culverwell Mine

OTHER NAMES: History Repeats claims, Del claims

MINERAL COMMODITY(IES): Au, Ag, BA

TYPE OF DEPOSIT: Vein, fault, dike

ACCESSIBILITY: Locked gate about 1/8 mile from workings. No trespassing signs posted.

OWNERSHIP: History repeats = Willard Pete, et al, Box 483, Caliente, NV., located Oct. 18, 1974. Del Claims= Tim Watt, 1906 Wilt Road, Fallbrook, CA 92028 located Oct. 28, 1982. Production: 5 tons shipped in 1933 contained 1.44 oz. Au/ton & 2.31 oz. Ag/ton (Callaghan, 1937, p. 68)

County: Lincoln

Item 25

Mining District: Delamar

AMS Sheet: Caliente

Quad Sheet: Slidy Mtn. 7½'

Sec. Unsurv. T 5S R 65E

Coordinate (UTM):

North 4115000000 m

East 06994000 m

Zone +11

DEVELOPMENT: Several south-trending adits, mostly open, with large dumps (probably several hundred feet of workings). One caved shaft & adit

ACTIVITY AT TIME OF EXAMINATION: Mine is probably being worked intermittently on small scale. Cabin below workings looks "lived in." Dump material is sorted. Generator & mine equipment on property.

GEOLOGY: Lower adit begins in alluvial slope rubble of Prospect Mtn. quartzite. The adit obviously intersects bedrock because the dump is composed of silicified quartzite cut by a random network of white to vitreous grey quartz veins. Some veins are banded, open centered & enclose breccia fragments of quartzite & monzonite porphyry intrusive? rock. The fragments of quartzite & intrusive are altered & Fe-stained. Pyrite & clots of MnOx are contained in the vein material. White, euhedral barite crystals fill vugs in vein material. Quartzite fragments in the breccia have developed sericite & chlorite in response to metamorphism & commonly contain finely disseminated pyrite.

Upper adit begins in an outcrop of quartzite & dirty quartzite beds which are 1-3' in width & strike N40W, & dip 55SW. In general, the rocks are more poorly sorted & contain a higher matrix content than that usually observed in quartzites of the Prospect Mtn. Fm. Most of the dump consists of quartz-cemented quartzite, red & brown sandstone, & siltstone breccia. The breccia fragments are typically cemented with vuggy, banded quartz with prismatic terminated quartz crystals filling central cavities between fragments. Also coarse white & grey calcite, quartz after calcite, banded, chalcedonic quartz & manganosiderite are commonly found as gangue vein minerals on the dump. Crosscutting breccia veins & splayed, banded veins indicate splitting of laminated host during vein emplacement & successive veining & brecciation of the host rock. MnOx coat quartz material & pyrite & barite were observed as minor constituents of quartz & calcite vein.

The upper caved shaft (not shown on map) exposed a N45W, vertical or steeply SW-dipping, banded quartz/calcite vein about 3-4' wide. The vein is brecciated & fractured & intrudes red-brown dirty quartzites & sandstones.

According to Callaghan, the Culverwell Mine explores several NW-striking veins of

~~XXXXXXXX~~ calcite & quartz. The abundance of vein material at minesite indicates veins were explored for substantial lengths. Rhyolite dikes are mapped near the workings (Callaghan, 1937).

REMARKS: Wire gold on quartz reported from this locality (Callaghan, 1937).

Sample 1756- Lower adit.

1757- Upper adit.

* Could be dirty quartzite - hard to tell.

REFERENCES: Callaghan, 1937, Univ. of NV Bull. v.31, no. 5.

EXAMINER: Bentz/Smith

DATE VISITED: 10/2/83