

2480 0019

PROPERTY NAME: Butte Mine, Velvet Mine, Clementine Mine

OTHER NAMES: _____

MINERAL COMMODITY(IES): Hg

TYPE OF DEPOSIT: _____

ACCESSIBILITY: _____

OWNERSHIP: _____

PRODUCTION: _____

HISTORY: _____

County: ElkoMining District: IvanhoeAMS Sheet: McDermittQuad Sheet: Willow Creek Reservoir SE
SE/4 S32, SW/4 S33, T38N, R48E
and S4, T37N, R48E

Coordinate (UTM):

North 4 5 5 2 1 7 5 mEast 0 5 3 6 0 4 0 mZone 11DEVELOPMENT: Numerous pits, trenches, and shallow shaftsACTIVITY AT TIME OF EXAMINATION: None. A posted notice reports that drilling was planned in 1979 by Hillcrest Mining Co., Denver. They also show drill holes by Vitro and Atlas Minerals.

Scintillator readings were taken, suggesting a uranium exploration play. See below for recent drilling.

GEOLOGY: The mines in this area explore certain portions or areas of an extensive stratiform (blanket) opalite which is at least intermittently present from the Butte No. 1 pit to the Clementine Mine. The opalite unit is 1-3? m thick; more than one opalite may be present. The opalite is massive to banded; some banding is contorted. A minor amount of opalite breccia was noted. Details of the geology of the individual mines are reported in Bailey and Phoenix (1944).

The uranium potential and some uranium analyses are reported in Garside (1981) for the Ivanhoe area.

A drilling program is underway at this time in this area. At least 8 holes were observed and there are certainly several more. The holes are rotary and appear to be less than 100 m deep, probably less than 50 m in some cases. Drill holes were observed in the following localities: near the spring 400 m northeast of the Velvet Mine; in NE/4 NE/4 S5; in SW/4 SW/4 S4; and in NW/4 NW/4 S9, all in T37N, R48E. The drilling is concentrated in an area where a blanket-type opalite occurs. Drilling apparently explores rocks below the opalite. A geologist with an exploration company has told me the drilling is for gold, and is being done by U.S. Steel.

REMARKS: Sample 470 is high-grade cinnabar opalite ore from the Butte No. 1 pit.

Photo G823-17 is of the fuel supply truck (for the drill rig) and an adjacent drill road. Note white streaks of drilling mud on berm of road (drill site).

REFERENCES: Garside, L. J. (1981) Uranium resource evaluation, McDermitt quadrangle, Nevada:

U.S. Department of Energy, PGJ-045(81), 45 p.

EXAMINER: L. J. GarsideDATE VISITED: 18 Aug 82