

2940 0025

PROPERTY NAME: Bullion-Monarch Open Pit Mine

OTHER NAMES: _____

MINERAL COMMODITY(IES): Gold, SilverTYPE OF DEPOSIT: Disseminated along fault zone.

ACCESSIBILITY: _____

OWNERSHIP: Universal Gas (Montana), Inc., 1070 Silver St., Elko,
NV 89801.

PRODUCTION: _____

HISTORY: _____

County: Eureka(115)
Item 27Mining District: LynnAMS Sheet: WinnemuccaQuad Sheet: Rodeo Creek NE 7-1/2'Sec. 10, T 35N, R 50E

Coordinate (UTM):

North 4 5 13 10 13 15 10 mEast 0 15 15 15 15 18 10 mZone +11DEVELOPMENT: One open-pit mine approximately 200' deep.ACTIVITY AT TIME OF EXAMINATION: Actively stripping waste rock.

GEOLOGY: A major feature of this open pit is that the Roberts Mtn. Formation, exposed on the west, is faulted against Tertiary reworked volcanics, exposed on the east. This major fault strikes N50W and dips steeply to the NE. The hanging and foot walls of the fault are apparently barren. Most of the gold occurs in a zone at the base of the pit where two more northerly directed faults intersect. This zone curves to the west in the base of the pit and is truncated at its northern end by a cross-cutting structure which is also apparently unmineralized.

The ore in this deposit is higher grade than Carlin with an average grade ranging from .22-1.65 oz/ton, and highest grade ore reaching 7-8 oz/ton. However, the deposit is much less extensive than the Carlin body and tightly structurally controlled. The gold occurs in the fault gouge and is associated with mercury, arsenic and abundant silicification and jasperoid. The mineralizing fluids are thought to be post-faulting, having traveled along a pre-existing fracture system.

REMARKS: Sample 132-From north end of pit along unmineralized N50W structure.Photo

REFERENCES: _____

EXAMINER: Bentz/Brooks MacFarlaneDATE VISITED: 5/27/82