3060 0012

PROPERTY NAME: Magnetite claim
OTHER NAMES: Pacific Consolidated, JAS claims, Hogle
MINERAL COMMODITY(IES): Fe, Cu, Au?, Ag?
TYPE OF DEPOSIT: Replacement (skarn), contact
ACCESSIBILITY:
OWNERSHIP: JAS claims = Freeport Expl. Co.
PRODUCTION: Small
HISTORY:

Item 12 (70)

County: Elko
Mining District: Merrimac
AMS Sheet: Wells
Quad Sheet: Singletree Creek 7 1/

Sec. 13, T 37N, R 53E

Coordinate (UTM):
North 4 5 4 9 6 8 0 m
East 0 5 8 7 2 6 0 m
Zone +11

DEVELOPMENT: Sampled workings consist of an E-W open cut about 150' long. One old trench located below cut. Across canyon to SE are several underground(?) workings, but we did not visit them. Remains of several cabins on property.

ACTIVITY AT TIME OF EXAMINATION: None, most recent is staking. Cut is probably 5-10 years old.

GEOLOGY: Above the open cut are scattered outcrops of light-grey, biotite-rich, quartz monzonite or diorite. The rock is relatively unaltered & shows prominent N-S joint system. Toward the cut, however, the rock began to show effects of alteration; ie. clay altered feldspars, chloritized biotite or silicification accompanied by pyrite.

The open cut, or pit, exposes a bedded sequence of sandy(?) limestones now altered to skarn & containing abundant magnetite & hematite. The relict beds strike N55E, 30-40° NW & are 1-3' in width. Replacement of the rocks seems to have occurred along bedding. The replacement by Fe & silicate minerals is quite complete as not much original host rock was found. Fine-grained, quartz-rich dikes extend out into the skarn altered sediments. Some vertical "fissure" veins which cut the skarn are marked by limonite & gossan. Large boulders of Cu stained magnetite ore lies within open cut.

Sample 185 was collected from the open cut. It consists of magnetite ore with irregular lenses of quartz & hematite. The magnetite ore occurs in the skarn & commonly contains CuOxs.

REMARKS: Sample 185.

Photos.

REFERENCES: Saw three mule deer in canyon on way to prospect.

EXAMINER: Bentz/Smith

DATE VISITED: 7/1/82