3430 0011

(243) Item 11

PROPERTY NAME: Michigan Boy Mine

OTHER NAMES:

MINERAL COMMODITY(IES): Ag, Pb

TYPE OF DEPOSIT: Vein shear replacement

ACCESSIBILITY: Two miles NE of Yucca Flat via a little used dirt road. Access to the area restricted by N.T.S

OWNERSHIP: Ed Lane of Groom Nevada and the U.S. Government

PRODUCTION: None reported

HISTORY: Argentiferous galena reported to carry 11-16 ounces of Ag and 1½ percent lead could not be identifed during the examination.

County: Nye

Mining District: Oak Springs

AMS Sheet: Goldfield Quad

Quad Sheet: Oak Springs 7½"

Sec. Unsur., T ____, R ____

Coordinate (UTM):

North 4 1 1 5 5 3 0 m

East 0 5 8 7 9 4 2 m

Zone

DEVELOPMENT: Workings consist of a 50 foot inclined shaft and approximately eight shallow prospect pits.

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: The Michigan Boy Mine is located in a low swale 2 miles NE of Yucca Flat and appoximately 6 miles SE of the Climax Mine. The mine is at 4500 feet and exists entirely within laminated quartzites, siltstones and shales of the Woods Canyon Formation of Cambrian age. The shaft and prospect pits have been sunk on a NE trending quartz vein system that is partially brecciated. The veins are inclined as much as 60° to the NW in the southern prospects and appear to flatten out to the north.

The Michigan Boy shaft is inclined approximately 45° to the NW. Branches of the quartz vein, approximately 6-12" in width, strike N40E 55W. The veins are emplaced along and within normal fault structures as evidenced by drag folds developed in sediments adjacent to the fault. The vein is sheared vuggy and contains abundant Mn-Fe oxides. Sample #1801 and 1806 taken from the mine dump and sidewalls contained quartz, pyrite and Cu-Fe-Mn oxides. None of the reported argentiferous galena was found.

A brunton and tape survey was made keying off the Michigan Boy shaft(See enclosed map). MB1 - Workings consist of 3-4 ft. deep prospect pit 37 ft SW of shaft. The prospect explored a quartz vein approximately 18" wide that strikes N20E and dips 30NW. Some silicification and limonitic alteration of the sediments was observed adjacent to the vein. Sample #1807 was mainly fractured quartzite with some pyrite.

MB2 - Shallow prospect located 45 feet due south of the shaft. The bedding of the Woods Canyon was N40W. Sample #1808 consists of light gray quartzite with pyrite and surface coatings of gray jasperiod material.

MB3 - Shallow prospect 65 feet SW of shaft. Bedding of sediments is N80W 60SW. Sample #1809 collected from the prospect consisted of brown shale jasperiod with Fe-Mn oxides, gossan like alteration with remnants of sulfides.

MB4 - Shallow prospect 75 feet NE of the shaft. The prospect exposes quartz veins which strike N60E 60NW. Sample #1810 contained pyrite, malachite, some jasperiod, several stages of

REMARKS: quartz veining and unidentified green oxides.

MB5 - The fault exposed in the prospect is approximately 10 ft wide, strikes N15W 80E. Sample #1811 is composed of abundant hematite and Mn oxides with vuggy white quartz in a host of quartzite and shale.

MB6 - Shallow prospect pit slightly offset to the south from the previous line of prospects. Shaft bears N50W and is 495 feet from MB-6 prospect. Sample #1812 contains; pyrite, malachite, and quartz crystalls filling cavitites along a fault in shales and fine-grained sediments of Woods Canyon Formation. The vein strikes N75E and dips close to vertical.

MB7 - Shallow prospect pit 55 feet SW of MB-6 and 50 feet NE of the center of the road. Bearing to MB-6 is N75E. The prospect was sunk on a 12" nearly vertical quartz vein. The host

.....(Continued on the page)

REFERENCES: GQ-214, USGS, Geology of Oak Springs Quad, 1960,1961.

EXAMINER: Quade/Bentz/Smith/Tingley

DATE VISITED: 11-5-82

PROPERTY NAME: Michigan Boy Mine

OTHER NAMES:

MINERAL COMMODITY(IES):

TYPE OF DEPOSIT:

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION:

HISTORY:

County:

Mining District:

AMS Sheet:

Quad Sheet:

Sec. , T , R

Coordinate (UTM):

North m

East m

Zone

DEVELOPMENT:

ACTIVITY AT TIME OF EXAMINATION:

GEOLOGY: rocks are shaley sediments of the Woods Canyon Formation that are dipping 35° to SW. The vein is highly fractured white vuggy quartz with minor pyrite and Fe-Mn oxides (Sample #1813)

MB8 - Another shallow prospect along the same N75E trend as MB-6 and MB-7. The prospects are 15 feet SW of the center of the road. The quartz vein within the prospect pit bears N85W and is nearly vertical. The vein is highly fractured, vuggy, with limonite coatings with Cu oxides (Sample #1814).

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