3430 0001 (243) Item 4

PROPERTY NAME: Crystal Prospect

OTHER NAMES: Nevada-Massachusetts Prospect

MINERAL COMMODITY(IES): Molybdenite, Tungsten, Powellite, Gold (?)

TYPE OF DEPOSIT: Contact Metamorphic

ACCESSIBILITY: Good road along Oak Spring Wash
Access is restricted by the N.T.S.

OWNERSHIP: U.S. Government

PRODUCTION: Several hundred tons of tungsten ore mined and milled

HISTORY: The site is thought to have been mined for gold around 1905. Tungsten, Molybdenite and Powellite were known as early as 1908. Nev-Mass acquired the property in 1936 and are responsible for the 360' adit and trench.

County: Nye

Mining District: Oak Springs

AMS Sheet: Goldfield

Quad Sheet: Oak Spring 7 1/2'

Sec. _____, T _____, R _____

Coordinate (UTM):

North 4 1 1 9 7 0 0 m

East 0 5 8 2 7 0 0 m

Zone _____

DEVELOPMENT: A north trending trench approximately 100' long and 10' wide that continues for another 250 feet as an inaccessable adit. A stope opens to the surface about 220' into the adit.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: The workings are along a fault controlled vein system in Pognip limestone. The vein is composed of coarse grained garnet and tactite cut by quartz and calcite stringers. The mineralization occurs as scheelite and powellite in small irregular bodies of tactite along the shear zone. Some of the vein is mixed gouge, decomposed iron stained tactite, silicified and broken limestone and various levels of oxiation. Samples #1834, 1835, 1837, 1838, were all taken from along the vein system. The best exposures of the vein are at the north end of the caved adit. The vein is approximately 12-15 feet wide, strikes very close to north and dip 50E. Most of the mineralization is associated with green and brown garnet rich tactite and includes; Molybdenite, Powellite some scheelite, minor sulfides and quartz-calcite stringers . Bleaching and iron staining of country rock is visable in unexplored areas east and west of the main adit. Sample #1836 was taken 1/8 of mile to the northeast of the tactite vein from anoxidized porphyritic granite intrusive. Sample #1840 is from next to a small shaft 500 feet to the east of the main workings and consists of silicified marble and quartz monzonite coated with Cu-Fe oxides and gossan-like alteration.

REMARKS: When Wyant, 1941 visited the property the workings were open and he and F.M. Byers were responsible for producing the enclosed map.

REFERENCES: Houser F.C. and Poole F. Prelim. Geologic Map os the Climax Stock 1960. Tungsten Deposits Near Oak Spring Nye County, Nevada D.G. Wyant, 1941 unpublished. Nevada Bureau of Mines BUll. Tungsten Deposits of Nevada, in preparation.

EXAMINER: Quade/Bentz/Tingley/Smith

DATE VISITED: Nov 11, 1982

COPY

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