

4250 0004
PROPERTY NAME: Willow claims
OTHER NAMES:
MINERAL COMMODITY(IES): Mn, Fe?, Ag?
TYPE OF DEPOSIT: Replacement, fault
ACCESSIBILITY:
OWNERSHIP: Willow claims = C.R. Davis, et al, staked May 18, 1980.
PRODUCTION:
HISTORY:

County: Elko Hen 1 (46)
Mining District: Burner Hills
AMS Sheet: Mc Dermitt
Quad Sheet: Burner Hills 7 1/2'
Sec. 4 T 40N R 47E
Coordinate (UTM):
North 4 5 8 2 1 8 0 m
East 0 5 2 8 2 8 0 m
Zone +11

DEVELOPMENT: Several old shallow trenches

ACTIVITY AT TIME OF EXAMINATION: Recently staked, but no recent development.

GEOLOGY: Old shallow dozer scraps lie near N60E resistant silicified rib of quartz veined & replaced, brecciated, red chert(?) outcrop. The outcrop is thoroughly silicified & not only laced by a network of quartz veinlets but contains vugs & fractures which are filled with mixtures of opaline quartz & Fe&Mn Oxs. Some of these surface coatings form dense botryoidal or nodular masses.

The trenches were probably developed for manganese & hematite (?). These minerals are not only found in the silicified outcrop, but occur in dense, weathered boulders found on the trench. The rocks in the trench are mainly rich in manganese which is weathered(oxidized) to vuggy, formless masses. Some boxworks composed of Fe & Mn were found. Silica & calcite are associated with the "ore," mainly as vug fillings & gangue. The "ore" probably formed as irregular replacement pods along a silicified fault zone. The silicified outcrop may trace a fault, but is cut by slicked surfaces & jointed surfaces which trend N25W & N-S, respectively.

REMARKS: Chert is part of Western Facies Unit mapped in this area (on preliminary county map)

Sample 137 A - Gossany, Fe-Mn "ore" from trench
B- Quartz veined chert, contains minor sulfides.

Photo.

REFERENCES:

EXAMINER: Bentz/Jones

DATE VISITED: 5/29/82