0850 0006

PROPERTY NAME: Sample locations 138 & 139

OTHER NAMES: Unknown (1)

MINERAL COMMODITY(IES): Ag (?), F

TYPE OF DEPOSIT: Vein

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION: None recorded

HISTORY: Indications are that work was contemporaneous with that at Mint Mine (1880's-1890's) No recent work noted.

County: Elko

Mining District: Burner Hills

AMS Sheet: Mc Dermitt

Quad Sheet: Burner Hills 7 1/2'

Sec. 13, T 41N, R 47E

Coordinate (UTM):

North 4|5|8|8|0|0|0 m

East 0|5|2|8|6|0|0 m

Zone 11

DEVELOPMENT: Three adits, several pits, one inclined shaft.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: Rock outcropping is thin-bedded shale & chert, "W F" on Elko Co. open file geologic map. Lower adit dump contains green andesite porphyry, indicating contact was intersected by the adit. Zone prospected is a N40°E, 75°SE- dipping shear zone which cross-cuts the "WF". The formation (WF) stikes N75°E and also dips 75°SE. The shear zone is .5 - 1 m wide in outcrop, consists of brecciated quartzite and shale cemented by white - clear quartz. The quartz is crystalline, forms cockscomb masses filling between and surrounding rock fragments. Some pale yellow oxide staining along with orange & yellow-brown FeOxs staining. Last prospect pit (incline shaft) to east is in area of intense hematite staining & fracture filling (Sample MEV - 391 taken from dump here). Adit on west, and lower adit trend north to intersect the N40°E shear zone.

Sample MEV 391 taken from dump of this prospect

390 taken about 1/5 mi. north of prospect.

Sample MEV 389 taken 1/4 mi. east of prospect.

Property revisited by Bentz/Jones on 5/29/82 - Sample 138 was taken from dump of N30W trending adit, now caved, but probably once about 200' in extent. Sample consists of quartz veins (open centered & approximately 1/4-1/8" wide) in siliceous & shaley sediments & quartz cemented breccia. Sample contain FeOxs & possibly pyrite. Sample 139 was collected from ≈90' deep adit trending NE. The portal begins in thin bedded shales & mudstones (Valmy Fm?), but apparently intercepts quartz veins as most of dump is composed of milky white to clear qtz vein(1/2-1"wide) & quartz cemented breccia. Again, veins are open-spaced, show FeOxs (pyrite?), & encase sedimentary fragments. Several stages of veining were noted in many of the samples with the late-stage veins being more Fe-rich. Minor CuOxs coated one sample & some fluorite vein was noted in the float near workings.

REMARKS:

Samples 138 & 139

Photos.

REFERENCES: Hope, R.A. & Coats, R.C. (1976) Prelim. Geol. Map Elko Co., USGS open file report 76-779

EXAMINER: J.V. Tingley

DATE VISITED: 7/24/79

Revisit - Bentz, Jones 5/29/82

0850 0019

Sample Description

Sample Number	Location	Description
138	Quad: Burner Hills 7 1/2' Sec: Unsurv. T: 41N R: 47E UTM: 4587920 N 0528800 E Sample locations 138 & 139 Burner Hills District	Quartz vein & veinlets in grey siliceous, shaley siltstone & fine-grained quartzite. Quartz veinlets are open centered, fissure type. Cockade quartz cements silicified breccia fragments of host. Some FeOxs also.
	Quad: Sec: T: R: UTM: N E	
139	Quad: Burner Hills 7 1/2' Sec: Unsurv. T: 41N R: 47E UTM: 4587990 N 0528590 E Sample locations 138 & 139 Burner Hills District	Milky white to vitreous crystalline quartz vein cementing breccia fragments of black shale or fine-grained siltstone. Quartz veinlets also crosscut breccia frags & contain FeOx coated open spaces or vugs. Several "zones" of brecciation occur within breccia & quartz veins are crosscut by secondary veinlets & fractures.
	Quad: Sec: T: R: UTM: N E	
	Quad: Sec: T: R: UTM: N E	
	Quad: Sec: T: R: UTM: N E	
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