

2000 0017
PROPERTY NAME: Black Rock prospect

OTHER NAMES:

MINERAL COMMODITY(IES): Au?

TYPE OF DEPOSIT: Stockwork

ACCESSIBILITY: 30m south of U S Highways 6 and 95

OWNERSHIP: Unknown -see activity.

PRODUCTION: None.

HISTORY:

County: Esmeralda 17

Mining District: Gilbert?

AMS Sheet: Tonopah

Quad Sheet: Devils Gate 7 1/2'
C SW/4NE/4

Sec. 31, T 3N, R 39E

Coordinate (UTM):

North 4 2 1 4 0 9 0 m

East 0 4 4 4 5 4 5 m

Zone +11

DEVELOPMENT: A 5-6m deep shaft and several pits. Also rotary drill holes (shallow?), probably drilled several years ago.

ACTIVITY AT TIME OF EXAMINATION: None at the prospect, but Falcon Exploration (Tonopah) has claims about 1 km to the southeast; they are drilling on these (the F-26 claim for example) now (photo) These drill holes are started in alluvium 1 km or more from bedrock outcrops. The drill is a ~~XXXXXX~~ small, track mounted rotary type - not capable of deep drilling. Drill site is 200m north of highway.

Geology:

The entire outcrop area at this property is about 40m in diameter and consists of black chert and argillite (probably Ordovician Palmetto Fm) cut by a stockwork of quartz vein, breccia-fillings, and veinlets. Several veins cut the argillite and chert - they are 10-30cm wide and generally trend N60W to N70E and dip 50-60° northerly. The veins contain sugary quartz with small drusy openings. A replacement texture of quartz after lamellar calcite is quite common, as is a crustiform or bilaterally symmetrical banding across the veins (the variations are due to variations in lamellar quartz or amount of iron-oxide minerals). Iron-oxide staining of vein material is common. In addition to these numerous main veins, the wallrock between them is cut by 3mm - 1cm veinlets of quartz vein matter; some veinlets also contain floating wallrock due to hydrothermal brecciation. Veinlets may occur as often as every 1-3 cm. Some breccia zones adjacent to veins with open-space texture may be fault breccias (larger breccia fragments are concentrated near vein walls, etc.). Barite occurs as small rosettes in some samples (in cavities).

This locality is near a prospect shown on Bonham's (1981) map, and is probably the same property.

REMARKS: Photo G822-15 is of the small, track-mounted rotary drill rig drilling on Falcon's claims. photo 16 is of the veining and stockworks on the described property.

Sample 461 consists of select quartz vein matter from the dump, outcrops, and pits on the small hill.

REFERENCES: Bonham, H.F., Jr. (1981) Bulk-minable precious-metal deposits and prospects in Nevada: Nevada Bureau of Mines and Geology Open-File map 81-1.

L.J. Garside

EXAMINER:

DATE VISITED:

14 Jul 82