2420 0051

Elko Co. General Item 67

PROPERTY NAME: Rock claims

OTHER NAMES: Eagle Prospect

MINERAL COMMODITY(IES): Cu, Ba?, Sb?, Au?, Ag?

TYPE OF DEPOSIT: Vein?, bedded?

ACCESSIBILITY:

OWNERSHIP: Rock claims = Rockwell

PRODUCTION:

HISTORY:

County: Elko

Mining District: Burns Basin(Gance Creek Area)

AMS Sheet: Wells

Quad Sheet: Mahala Creek West 7 1/2

Sec. 7, T 39N, R 54E

Coordinate (UTM):

North 4|5|7|1|4|0|0 m

East 0|5|8|9|1|9|0 m

Zone +11

DEVELOPMENT: Several trenches in sections 6 & 7 near summit of 7,460' peak.

ACTIVITY AT TIME OF EXAMINATION: Recent dozing of summit area on north, west & east facing slopes.

GEOLOGY: Trench developed on west-facing slope was examined & sampled. Trench is aligned in NE-SW direction & occupies area of prospect shown on map. It exposes an outcrop of western facies sediments composed of interbedded black carbonaceous shales, slates & quartzites. The bedding ranges from very thin(platy) to about 1 foot in width. The beds strike N55E & dip 45° SE. Some folding (amp. 1'-2') & minor faulting has disturbed the exposed sequence. Fracture surfaces cut the bedding at a high angle & are coated by silica. Light blue to green oxides (possibly As or Cu) & orange-yellow oxides (possibly Sb or Fe) coat bedding plane & fracture surfaces. Bleaching of the shales was noted at north & south portions of trench.

Sample 1605 was collected from the trench & consists of black carbonaceous shales, slates, & fine-grained quartzite. Surfaces are coated by Fe & glassy, botryoidal CuOxs & black amorphous veinlets* cut some fragments. Some rocks are dense as though they may contain some barite. Antimony is reported at this locality but none was observed.

SE base of hill recently burned. Silicic volcanic float was noted in burned area.

REMARKS: *dark silica?

Sample 1605.

Photo.

REFERENCES:

EXAMINER: Bentz

DATE VISITED: 8/28/82

PROPERTY NAME: Ed claims

OTHER NAMES:

MINERAL COMMODITY(IES): Ba, sulfides?

TYPE OF DEPOSIT: ?

ACCESSIBILITY:

OWNERSHIP: Ed claims located about 1/4 mile to south-east. Ed claims= J.W. Edwards according to 1982 plat.

PRODUCTION:

HISTORY:

County: Elko

Mining District: Burns Basin (Gance Creek Area)

AMS Sheet: Wells

Quad Sheet: Mahala Creek West 7 1/2

Sec. 35, T 40N, R 53E (39N 53E)

Coordinate (UTM):

North 4|5|7|3|0|8|0 m

East 0|5|8|6|4|5|0 m

Zone +11

DEVELOPMENT: One N20E directed trench approximately 5-10 years old.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: Trench is cut in alluvial & soil cover. Some shale & quartzite rubble was sampled from trench floor. Surfaces on rubble sample show limonite stains, pockets of gossan & white crystalline barite . Trench may have been cut to meet assessment work requirements.*

On preliminary geologic map of Elko County, the prospect is located in area of window of Roberts Mtn. Fm showing beneath undifferentiated western facies rocks.

REMARKS: * (probably on barite claims)

Sample 1606

Photo.

REFERENCES:

EXAMINER: Bentz

DATE VISITED: 8/28/82

PROPERTY NAME: Black Beauty claims

OTHER NAMES: B B claims

MINERAL COMMODITY(IES): Pyrite , Ba, Cu, Mn, Ti?, F?, Sb?

TYPE OF DEPOSIT: Vein, bedded

ACCESSIBILITY:

OWNERSHIP: Black Beauty claims = Prudencio Elordieta

PRODUCTION: Small tonnage of material was used as a soil additive

~~XXXX~~ REMARKS: (Papke, K., to be published in NBMG, Bull., Barite Deposits in Nevada)

County: Elko

Mining District: Burns Basin (Gance Creek Area)

AMS Sheet: Wells

Quad Sheet: Mahala Creek West 7 1/2

Sec. 26, T 40N, R 53E

Coordinate (UTM):

North 4|5|7|5|2|6|0 m

East 0|5|8|5|4|2|0 m

Zone +11

DEVELOPMENT: Several trenches occur on SW & NE sides of disturbed creek drainage. Large dumps (source unknown) are located at turn in road. Source of dump material is probably from open cuts as no underground workings were observed.

ACTIVITY AT TIME OF EXAMINATION: Property is probably sporatically active, but no activity was observed on day of examination.

GEOLOGY: This deposit is hosted by upper plate rocks consisting of black shales, some carbonaceous mudstones & cherty mudstones. Lesser amounts of carbonate & quartzite were also observed in area. Black shales outcrop on both sides of drainage. The shales are folded & disturbed by minor faulting. Within the trenches, the shales are cut by a random network of quartz veinlets, some with open centers & about 1/2 cm. in width. Many of the veins contain unoxidized pyrite, minor chalcopyrite & possibly other sulfides. Some samples contain masses of earthy or platy manganese. Veinlets of barite & possibly fluorite also were found, but no vein material was found in place.

Sulfide-rich vein material was sampled from the trench. Abundant sulfides, mostly pyrite, occur in a gangue of quartz, barite & calcite. In some samples, the sulfides appear to compose almost 50% of the rock by volume. Some "chicken scratch" remnant oxides found in some of the vein material may be after Sb mineral.

According to Papke (see attached), the deposit is an occurrence of exhalative sulfides developed within a section of Ordovician sediments. The sample he collected from the site is unusual because of the existence of dolomite in the pyrite-bearing rock. The Gance Creek occurrences are unusual because they are one of the few areas explored for barite in Nevada which contain massive sulfide horizons.

Sample 1607

Photos.

REMARKS: Quartzite outcrops on ridges nearby.

REFERENCES: NBM Report 3, Investigation of Titanium Occurrences in Nevada, p. 15.

EXAMINER: Bentz

DATE VISITED: 8/28/82