

5050 0006

PROPERTY NAME: Wells Cargo Mine

OTHER NAMES: Carp Mine (Papke(see below)), Charlotte Claims

MINERAL COMMODITY(IES): F, BA, Mn

TYPE OF DEPOSIT: Replacement

ACCESSIBILITY:

OWNERSHIP: Credited for most of total production from district.
 Total production thru 1971 was 44,900 tons of ore with average
~~XXXXXXXX~~ grade of 69% CA F₂.

HISTORY: 1st located in 1942 by Blad & Associates (Papke)

County: Lincoln **Item 7**

Mining District: Viola

AMS Sheet: Caliente

Quad Sheet: Blue Nose Peak 7 1/2'

Sec. 32 & 33, T 8S, R 69E

Coordinate (UTM):

North 4 1 2 1 6 0 0 m

East 0 7 4 0 5 1 0 m

Zone +11

DEVELOPMENT: As shown on topo; 4 open pits. Area between pits is extensively trenched & drilled.

ACTIVITY AT TIME OF EXAMINATION: Area restaked on Feb. 16, 1984 by Wells Cargo, Inc.

GEOLOGY: An excellent & thorough description of the deposit is given by Papke, 1973.

The north-west part of the mine area was visited briefly during the course of this project for sampling purposes only.

The host rocks for the deposit are grey fetid dolomites, dolomitic limestones & limestone breccias of probable Mississippian-Penn Age. According to Papke, the beds strike NW to NE & are shallowly inclined. The rocks at the minesite are hydrothermally altered to a mixture of clay, silica, FeOxs, fluorite & barite. Fine-grained fluorite (grey to white) & barite occur in manto-type replacement bodies roughly conformable to the bedding of the host rock. Apparently mineralization does not extend to depth. Focusing of mineralization by high-angle structures is suggested by Papke.

A weathered outcrop of altered dolomite in the north-west pit appears fractured & brecciated. Fe-stained, white, coarsely crystalline barite cements an altered dolomite breccia outcropping in the SE part of the pit (sample 1730). White to grey (also light purple & green?), finely crystalline fluorite occurs in vugs, veinlets & as fracture coatings in a barite-cemented dolomitic breccia from same location. (sample 1731). Botryoidal opaline silica forms veins & coats vugs in breccia.

Manganese has been explored in several pits N-NE of the northern fluorite mines.

Fine veinlets of chalcedonic quartz and fluorite occur along a major N20°-30°W fracture zone exposed in main pit (sample site 576), zone has near vertical to 70°NE dip. Both fluorite and barite cement breccias formed along this zone!

REMARKS: Sample 1730

1731

576

577

REFERENCES: Papke, K., 1979, Fluorspar in NV. NBMG Bull. 93, p. 24-27.

EXAMINER: Bentz/Smith

DATE VISITED: 9/21/83