

3300 0018

PROPERTY NAME: La Plata Fluorite Prospect

OTHER NAMES: _____

MINERAL COMMODITY(IES): Fluorite

TYPE OF DEPOSIT: Vein, shear zone

ACCESSIBILITY: _____

OWNERSHIP: _____

PRODUCTION: None Reported

HISTORY: Discovered in 1939, reclaimed several times,
no successful operation

County: Churchill (12) Hom 18

Mining District: La Plata

AMS Sheet: Reno

Quad Sheet: La Plata Canyon

Sec. 16, T 18N, R 33E

Coordinate (UTM):

North 41 31 61 41 15 10 m

East 01 31 81 81 61 21 0 m

Zone +11

DEVELOPMENT: Several trenches, benches, and small prospect pits, one small adit.

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: The workings explore irregular contact zones adjacent to aplite sills and dikes. The dikes cut phyllite with subordinate amounts of limestone, dolomite and hornfels of Upper Triassic age. Fluorite rich zones occur near the dike contact; it occurs as small masses and veinlets and pale fluorite crystals fill open spaces. Most veinlets appear to be very small (about 1 inch), which would make the deposit difficult to mine economically. Sample 3952 was selected from dumps and contained visible clusters of pale colored fluorite. The sample contains 700 ppm arsenic, 30 ppm lead.

Muscovite associated with the fluorite-rich zones was dated by Bonham, 1981. The K-Ar date of about 84 m.y. is believed to represent the age of fluorite mineralization.

REMARKS: _____

REFERENCES: Papke, 1979, NBMC Bull. 93; Bonham, 1981, Isochron West, no. 30.

EXAMINER: Jack Quade/Joe Tingley

DATE VISITED: 10/9/86