

June 1974 0450 0007

The Fluoride Mine is on the Mary 1-4 claims, which are owned by Gene Cross of Beatty, Nevada. The claims are leased from Cross by Chad and Ray Spor for a high royalty of \$2.00 per ton. (228) Item 7

The open-pit mine is located on the east side of Bare Mountain, about 6 air miles southeast of Beatty, Nye County, Nevada. By road the mine is 23 miles from Beatty; drive 13 miles south on Highway 95, and then turn left, at the Monolith Cement Company sign (east) and drive 10 miles on a gravel road through gold mine gap and north up the east side of Bare Mountain.

Ray Spor, who lives in a trailer in Beatty, operates the one man, stripping, crushing, screening and loading operation. At the loading platform they have a stockpile of about 1,000 tons of crude and screened ore. Since February 1974, they have had a contract with Monolith Cement Co. to ship about 750 tons per month, but for the first 5 months they have only shipped about 350 tons per month. Monolith Cement Co. picks up the ore at the mine and trucks it to Tehachapi, Calif. The Spor Brothers receive \$10 per ton for 50% CaF_2 rock. They are penalized 30¢ per unit below 50% CaF_2 and receive an additional 30¢ per unit for all ore above 50% CaF_2 .

The fluorspar occurs along a N-S fault zone that is near the foot of the east slope of Bare Mountain. Some fluorspar is in veins and other is in breccia pockets, scattered irregularly along the fault and shear breccia.

The host rock is a dark gray dense limestone which near the fluorspar, has a sulfur odor. It is the same odorous feature that occurs in the host rock at the Daisy Mine, and at most of the western fluorspar mines with a limestone host rock.

All the gangue is limestone or silica and there is no penalty for high silica. The identification of the black, gray and pinkish ore, and the differentiation from the host rock is most difficult. The mottled texture and mild brecciation of the rock are the distinguishing features. Selective surface mining at the Fluoride mine and at the Goldspar Mine to the south has produced very little tonnage, but it has torn up a lot of the mountain side.

The Goldspar claims, which join the Mary claims on the south are owned by J. J. Strutzel Jr., Mining Engineer living at 5110 East Osborn Road, Phoenix, Arizona 85018.

Ray Spor stated that Monolith Cement Co. from 1957 to 1967 operated the Goldspar and Fluoride mines and produced 81,000 tons of low-grade, sub-met-spar for their cement plant. (Unverified). Monolith Cement Company can use sub-ore as low as 25% CaF_2 . They use the fluoride rock during calcining to carry off the salts and other impurities in their cement rock.

Ray Spor also stated that before they underbid the, Crowell Fluorspar was selling 60% CaF_2 sub-ore to Monolith for \$28 per ton.

Ray Spor suggested that we continue to send the USBM production form and all correspondence to the Spor Brothers, address to Delta, Utah.