

taken from NBMG OFR 81-4  
(1981) See also 81-3 for  
geochemical results. Lafayette

(65)  
Item 2

2680 0002 The Lafayette district covers the lower slopes of the southeastern flank of the Wood Hills northeast of Tobar. There is little known concerning the history or production from this district, and it includes only a handful of small prospects.

The prospects are located on northeast-trending faults and shear zones which cut dolomite limestone. Near some of the prospects, the limestone has been slightly marbelized, and brecciation and veining extend into the wall rock for short distances away from the mineralized structures. Smith (1976) reports that the dolomitic limestone exposed along the southeast slopes of the range form the upper plate of a thrust sheet. Some of the brecciation noted could be related to the thrusting. If mineralization exposed in the old prospects post dates the time of thrusting, there could be unexplored mineral occurrences either along or beneath the thrust sheet.

Geochemical values from samples taken at the prospects show anomalous values in chrome, antimony and arsenic. Two samples were high in nickle. The presence of chrome and nickle seem strange for the geologic setting, although mariposite (chrome-rich mica) was seen at one location in the district.

#### Selected References:

- Southern Pacific Co. (1964) Minerals for Industry, Northern Nevada and Northwest Utah, Vol. I, Southern Pacific Company.
- Erickson, R. L., et al. (1966) Geochemical Reconnaissance in the Pequop Mts. and Wood Hills, Elko County, Nevada. U.S. Geol. Survey Bull. 1198-E.
- Smith, R. M. (1976) Mineral Resources of Elko County, Nevada.
- U.S. Geol. Survey Open-file Rpt. 76-56.