

3110 0007

PROPERTY NAME: Bruffeys Hot Spring

OTHER NAMES: \_\_\_\_\_

MINERAL COMMODITY(IES): F? Ba?, Hg?TYPE OF DEPOSIT: Hot Spring sinter & fracture zones in limestones.

ACCESSIBILITY: \_\_\_\_\_

OWNERSHIP: \_\_\_\_\_

PRODUCTION: \_\_\_\_\_

HISTORY: \_\_\_\_\_

County: EurekaMining District: Mineral HillAMS Sheet: WinnemuccaQuad Sheet: Mineral Hill 15'Sec. 14, T 27N, R 52E

Coordinate (UTM):

North 4 4 5 2 2 5 0 mEast 0 5 7 9 5 5 0 mZone +11

DEVELOPMENT: Several shallow prospects are located on the small hill north of ranch. Largest prospect is less than 10' deep & trends NW. Other workings include partially caved adit, shallow shafts & trenches built to divert hot water.

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: Hillside behind ranch is covered by <sup>calcareous</sup> sinter (or tufa) terraces developed on a basement (?) of limestone with minor quartzite. The prospects are the most recent workings in the area. They explore shallow, oxidized, fractures which generally trend NW. Some exposed limestone beds dip gently to SE. Locally the outcropping limestone has been hydrothermally altered (cooked) or brecciated & highly silicified <sup>topalified</sup> along sets of narrow fractures.

Sample 156 was collected from a small prospect developed in a NW trending fracture zone. The sample consists of an opalized limestone breccia with possible lenses of brownish barite? or fluorite?.

This area is characterized by active hot springs & contains several small pools of hot water. According to Papke 1979, fluorite & barite are found in the old tufa desposits,

REMARKS: Sample 156PhotoREFERENCES: Papke, K.G., 1979, Fluorspar in Nevada, NBMG Bull. 93.EXAMINER: Bentz/BrooksDATE VISITED: 6/2/82