

3340 0003

PROPERTY NAME: Unknown Unnamed Gypsum Prospect

OTHER NAMES: _____

MINERAL COMMODITY(IES): GypsumTYPE OF DEPOSIT: Marine evaporiteACCESSIBILITY: Accessible by roadOWNERSHIP: Southern Pacific Co.PRODUCTION: Small; 2000 S.T. Max. old loading ramp.

HISTORY: _____

County: Pershing Ham 3Mining District: MuttletburyAMS Sheet: LovelockQuad Sheet: Lovelock 15'Sec. 35, T 27N, R 32E

Coordinate (UTM):

North 414162.00 mEast 013843.10 mZone 11DEVELOPMENT: Shallow diggings for 350' along outcrop on fairly gentle north slope of canyon.ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: A gypsum unit of Jurassic age crops out in the mine area and to the east and west of the workings. Thin-bedded limestone forms both walls of the gypsum unit. These rocks have variable attitudes but generally trend northeast to east and dip 35° to 60° NW to N. The gypsum unit has horizontal width of about 125 feet, but its true thickness is uncertain because of deformation.

The gypsum is thoroughly brecciated and bedding is seldom visible. A few masses of thin-bedded limestone are present within the gypsum unit. These are up to 6' across, have varied strike-dip, and have sharp but irregular contact with the gypsum.

The gypsum is white, weathers to light olive gray, fine grained (< 1/10 mm), friable and fairly uniform. Locally it is slightly stained by iron-oxides. X-ray diffraction of sample 00.2701 shows gypsum, a moderate amount of calcite, minor montmorillonite, and traces of quartz and calcite.

REMARKS: Better and more accessible gypsum is present in the vicinity.

REFERENCES: _____

EXAMINER: Keith G. PapkeDATE VISITED: 9/10/84