

3340 6004

PROPERTY NAME: North Lovelock Gypsum

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

MINERAL COMMODITY(IES): GypsumTYPE OF DEPOSIT: Marine evaporiteACCESSIBILITY: Road to propertyOWNERSHIP: On patented claims owned by U.S. Gypsum Co.PRODUCTION: Small production by open pit.

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

County: Pershing <sup>(285)</sup> Ham 4Mining District: MuttieberryAMS Sheet: LovelockQuad Sheet: Lovelock 15'Sec. 22, T 27N, R 32E

Coordinate (UTM):

North 4 4 4 9 8 2 0 mEast 0 3 8 2 7 1 0 mZone 11DEVELOPMENT: Open pit with face 50 feet high and 150 by 50 feet bench in front. Also explored by several adits and few test pits.ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: Bedded gypsum with associated limestone of Jurassic age occurs in several masses for about 2 miles north-south on the western side of the West Humboldt Range; this is the northernmost of these masses. All the gypsum is in the upper plate of a thrust.

This body crops out for about 0.6 miles, northwest-southeast, with horizontal width of about 300 feet. Most of this area is on a steep, southeast-sloping side of a canyon.

The gypsum is exposed in the face of the pit, near the northwestern end of the outcrop. The entire face contains well-bedded gypsum, with bedding mostly 1/2 to 2 inches. Most beds dip less than 20°, commonly northeast or northwest, but some beds are folded. Beds and discontinuous

beds, generally less than 1 inch thick, of medium-grey limestone are present and are abundant in places. A unit of limestone perhaps 3 feet thick is present in the upper part of the face. The upper part of the ridge, above the pit face, has dark colored limestone; the contact of gypsum and limestone appears conformable.

The gypsum is white, weathers to light olive gray, friable to firm, and fine-grained. Impurities are minor amounts of quartz, mica, and montmorillonite. Sample 002718 is typical.

REMARKS: \_\_\_\_\_

REFERENCES: \_\_\_\_\_

EXAMINER: Keith G. PapkeDATE VISITED: 10/8/84