

4800 0004
PROPERTY NAME: Barrett Springs
OTHER NAMES: Hi Hopes
MINERAL COMMODITY(IES): Bentonite (montmorillonite)
TYPE OF DEPOSIT: Alteration of volcanic ash in alkaline lake.
ACCESSIBILITY: Good road to property
OWNERSHIP: Owned by K.W. Minerals Corp; apparently in process
being sold (9/84).
PRODUCTION: Total unknown; probably about 10,000 S.T.
HISTORY: Production began in early 1970's. Clay is processed
at mill on Jungo Road.

County: Humboldt
Mining District: Winnemucca
AMS Sheet: McDermitt
Quad Sheet: Barrett Springs 7 1/2'
Sec. 34, T 37N, R 36E
Coordinate (UTM):
North * 4 5 4 3 4 0 0 m
East 0 4 2 2 8 0 0 m
Zone

DEVELOPMENT: Open pit 500' by 200', about 10' deep. Some stripping to east. Drilled in 1960's.

ACTIVITY AT TIME OF EXAMINATION: Active, intermittent mine.

GEOLOGY: Flat-lying bentonite of Tertiary or Quaternary age is present in pit and nearby
areas in an otherwise alluvium-covered area. On the east side of the pit, a peculiar
ridge of tuff about 15' high and 50' wide separates the pit from the stripped area to
the east. This bedrock material is pale red with patches and streaks of devitrified
glass without clay. Thickness of the clay in the pit is uncertain, but drill-hole data
suggests it is about 40' with some poorer clay interlayers. A line of springs are
present along the south end of the pit and stripped areas.

The clay is pale greenish yellow. Sample 002703 contains montmorillonite,
clinoptilolite, cristobalite, quartz, feldspars, and calcite. More data in the material
including physical properties, is given in the reference listed below.

REMARKS:

REFERENCES: Papke, K.G. 1970, Nev. Bur. Mines Bull. 76, p. 13,16,20,22.

EXAMINER: Keith G. Papke

DATE VISITED: 9/11/84