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ITEM 11

QUEEN LODGE—BARITE

Alternate names: None

Commodities: BaSO₄

LOCATION-OWNERSHIP

County Elko.
 Mining district Bootstrap.
 Elevation 1,860 m.
 Topography Hilly.
 Domain Private.

General location About 67 km southeast of Battle Mountain.
 Meridian Mount Diablo.
 Tract Sec. 27, T 37 N, R 49 E.
 Latitude 41°03'19" N.
 Longitude 116°25'50".

Owner NL Baroid-NL Industries, Inc., Houston, TX (1985).
 Operator Tom Norris Construction (mining contractor), Battle Mountain, NV (1984).

GEOLOGY

Type of ore body Sedimentary.
 Origin Sedimentation, hydrothermal (sub-marine hot springs).
 Shape of ore body Tabular, massive, irregular.
 Ore controls Bedding.
 Strike and dip of mineralized zone N 30° E: 65° N.
 Mineralized zone average dimensions, m:
 Length 300.
 Width 90.
 Thickness 6.
 Depth 0.
 Mineral names Barite.

Host formation Vinini.
 Geologic age Ordovician.
 Rock relationships Chert, encloses ore, gangue.
 Siltstone, encloses ore, gangue.
 Shale, encloses ore, gangue.
 Conglomerate, encloses ore, gangue.
 Size Medium.

DEVELOPMENT

Current status Inactive-past producer (standby).
 Type of operation Surface.
 Mining method Open pit.
 Year of discovery 1938.
 Discovery method Ore mineral in place.
 Initial production 1976.
 Last production 1982.
 Past production Confidential proprietary data.

Distance to water supply ... On-site.
 Road requirement None.
 Distance to power supply ... Mine—on-site generation.
 Mill location Mill—on-site commercial supply.
 Mill status Dunphy Siding, 48 km south of mine.
 Milling method Standby.
 Product type Flotation, grinding.
 Destination Fine ground barite.
 Alaska, West Coast, and inter-mountain markets.

PUBLISHED RESERVES-RESOURCES

No published reserve-resource information.

REFERENCES

77, 95, 123, 226, 278, 392, 546, 669, 688,
 775, 778, 796.

USGS quad maps McDermitt, 1:250,000.
 USBM sequence number Santa Renia Fields, 7.5'.
 Mid number 0320070364.
 2601148.

Comments: The Queen Lodge is mined in conjunction with the Rossi (Sage Hen).

Information Circular 9035

Principal Deposits of Strategic and Critical Minerals in Nevada

By N. T. Lowe, Russell G. Raney, and John R. Norberg



UNITED STATES DEPARTMENT OF THE INTERIOR
Donald Paul Hodel, Secretary

BUREAU OF MINES
Robert C. Horton, Director