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ITEM

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## LAKES-BARITE

Alternate names: None

Commodities: BaSO<sub>4</sub>

## LOCATION-OWNERSHIP

County ..... Elko.  
 Mining district ..... Lakes.  
 Elevation ..... 2,220 m.  
 Topography ..... Hilly.  
 Domain ..... Private.

General location ..... About 46 km north of Carlin.  
 Meridian ..... Mount Diablo.  
 Tract ..... Sec. 1, T 37 N, R 51 E.  
 Latitude ..... 41°08'06" N.  
 Longitude ..... 116°11'36" W.

Owner ..... 25 Corporation, Lincoln, NE; NL Baroid (a division of NL Industries, Inc., New York, NY-lessee) (1983).

## GEOLOGY

Type of ore body ..... Bedded.  
 Origin ..... Replacement.  
 Shape of ore body ..... Tabular, massive.  
 Strike and dip of mineralized zone. S 45° W: 5° S.  
 Mineralized zone average dimensions, m:  
 Length ..... 320  
 Width ..... 185.  
 Thickness ..... 45.  
 Mineral names ..... Barite.

Host formation ..... Vinini.  
 Geologic age ..... Ordovician.  
 Rock relationships ..... Chert, lies under ore, replaced by ore.  
 Tuffs, lies over ore.  
 Size ..... Large.

## DEVELOPMENT

Current status ..... Inactive-past producer.  
 Type of operation ..... Surface.  
 Mining method ..... Open pit.

Distance to water supply ... On-site.  
 Road requirement ..... <10 km.  
 Distance to power supply ... <10 km.  
 Mill location ..... No mill.

Year of discovery ..... 1955.  
 Discovery method ..... Ore mineral in place.

Initial production ..... 1973.  
 Last production ..... 1981.  
 Past production ..... Confidential proprietary data.

## PUBLISHED RESERVES-RESOURCES

Class	Quantity	Grade	Year	Reference
1..Not reported in reference..	8,000,000 tons .....	4.10 sp gr .....	1982	304

## REFERENCES

87, 226, 304, 546, 669.

USGS quad maps ..... McDermitt, 1:250,000.  
 Lake Mountain, 7.5'.  
 USBM sequence number ..... 0320070354.  
 Mid number ..... 2600959.

Comments: Ownership of the Lakes deposit has been the subject of 2.5 yr of litigation. In June 1982, the Nevada Supreme Court ruled in favor of NL Industries.



**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