

4490 0006

BIG LEDGE—BARITE

Alternate names: None

Commodities: BaSO₄

LOCATION-OWNERSHIP

| | | | |
|-----------------------|--|------------------------|---------------------------------|
| County | Elko. | General location | About 53 km northwest of Wells. |
| Mining district | Snake Mountains. | Meridian | Mount Diablo. |
| Elevation | 2,440 m. | Tract | Sec. 27, T 42 N, R 61 E. |
| Topography | Rugged. | Latitude | 41°29'57" N. |
| Domain | Mixed; private leases and unpatented claims on public lands administered by BLM. | Longitude | 115°03'02" W. |
| Owner | Mary's River Ranch (1983). | | |
| Operator | Chromalloy American Corp., St. Louis, MO (1983). | | |

GEOLOGY

| | | | |
|---|--------------------------------|--------------------------|--------------------------------------|
| Type of ore body | Sedimentary. | Host formation | Valmy. |
| Origin | Sedimentation; hydrothermal. | Geologic age | Ordovician, |
| Shape of ore body | Tabular; irregular. | Rock relationships | Chert, lies along ore, encloses ore. |
| Ore controls | Bedding; lithology. | | Shale, lies along ore, encloses ore. |
| Strike and dip of mineralized zone. | N 15° to 45° E: 30° to 45° NW. | Size | Medium. |
| Mineralized zone average dimensions, m: | | | |
| Length | 380. | | |
| Width | 105. | | |
| Thickness | 30. | | |
| Depth | 0. | | |

Mineral names Barite.

DEVELOPMENT

| | | | |
|--------------------------|-----------------------|------------------------------|----------|
| Current status | Inactive-explored. | Distance to water supply ... | Unknown. |
| Type of operation | Possible surface. | Road requirement | <50 km. |
| Year of discovery | 1978. | Distance to power supply ... | <50 km. |
| Discovery method | Ore mineral in place. | Mill location | No mill. |
| Initial production | No production. | | |

PUBLISHED RESERVES-RESOURCES

No published reserve-resource information.

REFERENCES

| | | |
|--|----------------------------|-----------------------|
| 77, 95, 123, 205, 226, 278, 546, 669, 716, 775, 778. | USGS quad maps | Wells, 1:250,000. |
| | | Black Butte NE, 7.5'. |
| | USBM sequence number | 0320070904. |

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
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