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ITEM 10

ROSSI-BARITE

Alternate names: Sage Hen, Dunphy, National Lead Co.

Commodities: BaSO₄

LOCATION-OWNERSHIP

County Elko.
 Mining district Bootstrap.
 Elevation 1,770 m.
 Topography Hilly.
 Domain Mixed; private and BLM administered
 public lands.

General location About 66 km southeast of Battle
 Mountain.
 Meridian Mount Diablo.
 Tract Sec. 22, T 37 N, R 49 E.
 Latitude 41°04'03" N.
 Longitude 116°25'31" W.

Owner NL Baroid-NL Industries, Inc., Houston, TX (1983).
 Operator Tom Norris Construction (mining contractor), Battle Mountain, NV (1983).

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 55° E: 60° N.
 Mineralized zone aver-
 age dimensions, m:
 Length 1,800.
 Width Unknown.
 Thickness 10.
 Depth 0.
 Mineral names Barite, chert, witherite.

Host formation Vinini.
 Geologic age Ordovician.
 Rock relationships Chert, encloses ore, gangue.
 Shale, near ore, gangue.
 Quartzite, near ore.
 Limestone, near ore.
 Size Large.

DEVELOPMENT

Current status Inactive-past producer (standby).
 Type of operation Surface.
 Mining method Open pit.
 Year of discovery 1937.
 Discovery method Ore mineral in place.
 Initial production 1947.
 Last production 1982.
 Past production Confidential proprietary data.

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

PUBLISHED RESERVES-RESOURCES

No published reserve-resource information.

REFERENCES

71, 87, 95, 123, 226, 278, 392, 449, 546, 669, 688,
 775, 778, 796.

USGS quad maps McDermitt, 1:250,000.
 Santa Renia Fields, 7.5'.
 USBM sequence number 0320070094.
 Mid number 2600397.

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

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