3100 0037

283
Item 37
91

BUENA VISTA—IRON

Alternate names: None

Commodities: Fe

LOCATION-OWNERSHIP

County	Churchill.	General location	About 36 km southwest of Lovelock.
Mining district	Mineral Basin.	Meridian	Mount Diablo.
Elevation	1,341 m.	Tract	Sec. 4, T 24 N, R 34 E.
Topography	Hilly.	Latitude	39°58′25″ N.
Domain	Private.	Longitude	118°09′55″ W.

Owner-operator ..... Southern Pacific Co., San Francisco, CA; U.S. Steel Corp., Salt Lake City, UT (1975).

GEOLOGY

Type of ore body	Replacement, breccia fill, disseminated.	Host formation	Leach.
Origin	Contact metasomatic.	Geologic age	Pennsylvanian.
Shape of ore body	Tabular, irregular, pipelike.	Rock relationships	Lamprophyre, lies along ore, near ore.
Ore controls	Igneous, faulting.	Size	Medium.
Mineralized zone average dimensions, m:			
Length	3,353.		
Width	914.		
Thickness	137.		

Mineral names ..... Magnetite, hematite, scapolite, chlorite, calcite, quartz, apatite, sphene, hornblende.

DEVELOPMENT

Current status	Inactive-past producer.	Distance to water supply	<10 km.
Type of operation	Surface.	Road requirement	None.
		Distance to power supply	<50 km.

Discovery method ..... Ore mineral in place.

Initial production ..... 1952.
Last production ..... 1960.

PUBLISHED RESERVES-RESOURCES

Class	*Quantity*	*Grade*	*Year*	*Reference*
1..Measured[1]	18,000,000 long tons.	32.7% Fe	1971	454
2..Indicated[1]	3,000,000 long tons.	33.3% Fe	1971	454
3..Measured[2]	5,000,000 long tons.	26.2% Fe	1971	454
4..Indicated[2]	900,000 long tons.	22.1% Fe	1971	454
5..Inferred[2]	5,700,000 long tons.	22.1% Fe	1971	454
6..Measured[3]	5,500,000 long tons.	25.5% Fe	1971	454
7..Indicated[3]	2,400,000 long tons.	25.5% Fe	1971	454
8..Inferred[3]	4,700,000 long tons.	25.5% Fe	1971	454

REFERENCES

10, 75, 150, 282, 324, 332, 367, 454, 515, 536, 568, 579, 583, 733, 751, 802, 841.

USGS quad maps ..... Reno, 1:250,000.
Dixie Hot Springs, 15′.

USBM sequence number ..... 0320010043.

[1]West ore body.
[2]South Central ore body.
[3]East ore body.

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