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ITEM 52

CROWELL—FLUORINE

Alternate names: Daisy Mine, Fluorspar Mine, Beatty Fluorspar, Betsy Mine

Commodities: CaF₂

LOCATION-OWNERSHIP

County Nye.
 Mining district Fluorine.
 Elevation 1,356 m.
 Topography Hilly.
 Domain BLM administered.

General location About 102 km southeast of Goldfield.
 Meridian Mount Diablo.
 Tract Sec. 23, T 12 S, R 47 E.
 Latitude 36°52'52" N.
 Longitude 116°41'40" W.

Owner-operator Crowell Fluorspar Co., Beatty, NV (1984).

GEOLOGY

Type of ore body Replacement, breccia fill, fissure vein.
 Origin Hydrothermal.
 Shape of ore body Irregular, pipelike, lenticular.
 Ore controls Faulting, lithology
 Strike and dip of mineralized zone. N 45° E: 88° E.
 Mineralized zone average dimensions, m:
 Length 274.
 Width 8.
 Thickness 152.
 Depth 25.
 Mineral names Fluorite, cinnabar, calcite, quartz, orthoclase, montmorillonite.

Host formation Nopah.
 Geologic age Upper Cambrian.
 Rock relationships Dolomite, replaced by ore.
 Limestone, lies along ore, replaced by ore.
 Shale, lies along ore.
 Size Medium.

DEVELOPMENT

Current status Active-producer.
 Type of operation Underground.
 Mining method Open stope.
 Year of discovery 1918.
 Discovery method Ore mineral in place.
 Initial production 1919.
 Past production 185,527 t (1919-76).

Distance to water supply ... <10 km.
 Road requirement None.
 Distance to power supply ... On-site.

PUBLISHED RESERVES-RESOURCES

No published reserve-resource information.

REFERENCES

4, 31, 97, 98, 99, 207, 213, 217, 266, 275, 281, 283, 368, 373, 381, 401, 545, 557, 714, 733, 811, 812, 815, 816.

USGS quad maps Death Valley, 1:250,000.
 Bare Mountain, 15'.
 USBM sequence number 0320230001.
 USGS MRDS number W006927.
 Mid number 2600091.

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

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