

## EXPLORATION LICENSE: Drill Hole Abandonment and Plugging Report

Operator Name: _____	Project Name: _____
Operator Address: _____	Exploration License #: _____
Contact Name: _____ Phone: _____	Date Submitted: _____
Email Address: _____	County: _____

### Drill Hole Location and Construction Details

Pad ID# _____	Drill Hole ID # _____	Spud Date _____	TD Date _____	Total Depth (ft) _____
Section _____ Township _____	N _____ S _____ Range _____ W _____	E Latitude (DDD.ddddddd) _____		Longitude (DDD.ddddddd) _____
Borehole Diameter (in) _____	From (ft) _____	To (ft) _____		
Borehole Diameter (in) _____	From (ft) _____	To (ft) _____		
Casing Diameter (in) _____	From (ft) _____	To (ft) _____		
Casing Diameter (in) _____	From (ft) _____	To (ft) _____		
Depth to Bedrock (ft) _____	Lithology (example: blue-grey/shale/hard) _____			

### Groundwater Protection (*Administrative Rules of Montana 17.24.106*)

All Exploration drill holes must be plugged at the surface five to ten feet with cement. Please check if the following condition applies:

Zero Aquifers were intercepted.

Exploration drill holes must be plugged with bentonite or a similar compound from the bottom of the hole to within five to ten feet of the surface, and with cement from the top of the bentonite to the surface if one or more of the following conditions apply:

Two Aquifers were intercepted.

One aquifer was intercepted and an existing or potential beneficial use (domestic, agricultural or fish/ wildlife water supply) exists.

One or more artesian aquifers are intercepted causing either surface flow or significant water rise in the hole.

The potential exists for downward water loss from an aquifer (cascade effect) as determined by the department.

Note: All drill holes must be plugged prior to removing the drill rig from a hole unless removing the drill rig is necessary to the hole plugging operation or unless otherwise approved by the department.

### Plugging Information

Plugging/Abandonment Date: _____	Drilling Contractor _____	Company Representative _____
Drill Hole Backfilled with: _____	Native Materials (Drill Cuttings) _____	Other (Describe) _____
Drill Hole Grouted with: _____	Cement Grout _____	Cement Grout/Bentonite _____
Volume (cu.ft.) _____	Sacks Used (sks) _____	H.S. Bentonite Grout _____
Drill Hole Grouted with: _____	Cement Grout _____	Cement Grout/Bentonite _____
Volume (cu.ft.) _____	Sacks Used (sks) _____	H.S. Bentonite Grout _____
Status of Surface Casing: _____	Removed _____	Cut off Below Ground Surface _____
Backfilled From (ft) _____	Backfilled To (ft) _____	Bentonite Pellets/Granules/Chips _____
Backfilled From (ft) _____	Backfilled To (ft) _____	Bentonite Pellets/Granules/Chips _____
Backfilled From (ft) _____	Backfilled To (ft) _____	Bentonite Pellets/Granules/Chips _____
Depth Below Ground Surface (ft) _____		

### Operator Certification

The work described above was done under my supervision. This report is correct to the best of my knowledge.

Supervisor Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

### Montana DEQ Review

Signature: \_\_\_\_\_

Date: \_\_\_\_\_