

## 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)	Backfilled From (ft)	Backfilled To (ft)
Drill Hole Grouted with:	Cement Grout	Cement Grout/Bentonite	H.S. Bentonite Grout	Bentonite Pellets/Granules/Chips
	Volume (cu.ft.)	Sacks Used (sks)	Backfilled From (ft)	Backfilled To (ft)
Drill Hole Grouted with:	Cement Grout	Cement Grout/Bentonite	H.S. Bentonite Grout	Bentonite Pellets/Granules/Chips
	Volume (cu.ft.)	Sacks Used (sks)	Backfilled From (ft)	Backfilled To (ft)
Status of Surface Casing:	Removed	Cut off Below Ground Surface	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: \_\_\_\_\_