

**State of Colorado  
Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



OGCC RECEPTION

**Document Number:**  
**400278587**

**EARTHEN PIT REPORT / PERMIT**

This form is to be used for both reporting and permitting pits. Rule 903 describes when a Permit with prior approval, or a Report within 30 days is required for pits. Submit required attachments and forms.

Form Type:  **PERMIT**     **REPORT**                      OGCC PIT NUMBER: 430352

NOTE: Operator to provide OGCC Pit Number only if available on an existing pit for pit report

OGCC Operator Number:	10071	Contact Name:	Doug Dennison
Name of Operator:	BARRETT CORPORATION* BILL		
Address:	1099 18TH ST STE 2300	Phone:	(970) 3149-873
City:	DENVER	State:	CO
Zip:	80202	Email:	ddennison@billbarrettcorp.com

ATTACHMENTS	
Detailed Site Plan	<input type="checkbox"/>
Design/Cross Sec	<input type="checkbox"/>
Topo Map	<input type="checkbox"/>
Calculations	<input type="checkbox"/>
Sensitive Area Info	<input type="checkbox"/>
Mud Program	<input type="checkbox"/>
Form 2A	<input type="checkbox"/>
Form 26	<input type="checkbox"/>
Water Analysis	<input type="checkbox"/>

**Pit Location Information**

Operator's Pit/Facility Name:	MDP#6	Operator's Pit/Facility Number:	
API Number (associated well):	05-00		
OGCC Location ID (associated location):	416979	Or Form 2A #	
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian):	SESW-32-6S-91W-6		
Latitude:	39.480548	Longitude:	-107.578784
County:	GARFIELD		

**Operation Information**

Pit Use/Type (Check all that apply):	Pit Type:	<input checked="" type="checkbox"/> Lined	<input type="checkbox"/> Unlined
<input type="checkbox"/> Drilling: (Ancillary, Completion, Flowback, Reserve Pits)	<input type="checkbox"/> Oil-based Mud;	<input type="checkbox"/> Salt Sections or High Chloride Mud	
<input type="checkbox"/> Production:	<input type="checkbox"/> Skimming/Settling;	<input type="checkbox"/> Produced Water Storage;	<input type="checkbox"/> Percolation;
<input type="checkbox"/> Special Purpose:	<input type="checkbox"/> Flare;	<input type="checkbox"/> Emergency;	<input type="checkbox"/> Blowdown;
<input checked="" type="checkbox"/> Multi-Well Pit:	Construction Date:	02/15/2010	Actual or Planned:
Method of treatment prior to discharge into pit:	See attached supplement		
Offsite disposal of pit contents:	<input checked="" type="checkbox"/> Injection;	<input type="checkbox"/> Commercial;	<input type="checkbox"/> Reuse/Recycle;
Other Information:	This Form 15 is to convert a former drilling pit servicing one well pad to a multi-well pit - see full description in attached supplement. Injection wells used for ultimate disposal of pit contents are identified in attached supplement.		

**Site Conditions**

Distance (in feet) to the nearest surface water:	120	Ground Water (depth):	18	Water Well:	2974
Is this location in a Sensitive Area?	Yes	Existing Location?			

**Pit Design and Construction**

Size of Pit (in feet):	Length:	190	Width:	106	Depth:	18	Calculated Working Volume (in barrels):	32000
Flow Rates (in bbl/day):	Inflow:	0	Outflow:		Evaporation:	0	Percolation:	0
Primary Liner. Type:	Synthetic - XR5		Thickness (mil):	30				
Secondary Liner (if present):	Type:	Synthetic - XR5		Thickness (mil):	30			
Is Pit Fenced?	Yes	Is Pit Netted?	No	Leak Detection?	Yes			
Other Information:	Details of operation of pit, including inflow and outflow rates, provided in enclosed supplement							

Operator Comments:

**Certification**

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Doug Dennison  
Title: Env./Govt Affairs Liaison Email: ddennison@billbarrettcorp.co Date: 05/09/2012  
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**Approval**

Signed: \_\_\_\_\_



Title: \_\_\_\_\_

Director of Cogcc

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

10/03/2012

**BMP**

<u>Type</u>	<u>Comment</u>
Storm Water/Erosion Control	Construction and implementation of stormwater controls in accordance with CDPHE permit
Wildlife	Pit has been fenced per CPW recommendations.
Material Handling and Spill Prevention	Double-lined pit with leak detection
Material Handling and Spill Prevention	All water is treated with 3-phase separator, cascade tanks, and biocide.
Material Handling and Spill Prevention	Spill response trailers staged throughout field for prompt response to spills.
Material Handling and Spill Prevention	All transfers of water into and out of pit are monitored by personnel at all times.

Total: 6 comment(s)

**CONDITIONS OF APPROVAL:**

The produced water storage pit must be fenced and netted. The operator must maintain the fencing and netting until the pit is closed.

The synthetic liner(s) shall be tested by filling the pit with at least 70 percent of operating capacity of water, measured from the base of the pit (not to exceed the 2-foot freeboard requirement). The operator shall monitor the pit for leaks for a period of 72 hours prior to draining the pit and commencing operations. The leak detection system must also be monitored during the entire test. Operator shall notify the COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email dave.kubeczko@state.co.us) 48 hours prior to start of the hydrotest. Hydrotest monitoring results must be maintained by the operator for the life of the pit and provided to COGCC prior to using the pit.

Flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline leading to the produced water storage pit.

Operator shall pressure test pipelines in accordance with Rule 1101.e.(1) prior to putting into initial service any temporary surface pipelines or configuration of the permanent pipeline network.