

<b>FORM INSP</b>  Rev 05/11	<b>State of Colorado</b>				DE	ET	OE	ES
	<b>Oil and Gas Conservation Commission</b>				Inspection Date: <u>02/10/2012</u>			
1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109								

**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Tracking Type	Inspector Name: <u>LONGWORTH, MIKE</u>
	<u>418334</u>	<u>418340</u>		

Document Number:  
663800144

Overall Inspection:  
Satisfactory

**Operator Information:**

OGCC Operator Number: 10071 Name of Operator: BARRETT CORPORATION\* BILL

Address: 1099 18TH ST STE 2300

City: DENVER State: CO Zip: 80202

**Contact Information:**

Contact Name	Phone	Email	Comment
Ghan, Scott	(970) 876-1959	sghan@billbarrettcorp.com	Environmental

**Compliance Summary:**

QtrQtr: NWNW Sec: 30 Twp: 6S Range: 91W

**Inspector Comment:**

Drilling out surface float and starting production hole

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
418330	WELL	XX	07/16/2010		045-19686	Kaufman 42D-25-692	X
418331	WELL	XX	07/16/2010		045-19687	Kaufman 41B-25-692	X
418332	WELL	XX	07/16/2010		045-19688	Kaufman 42C-25-692	X
418333	WELL	XX	07/16/2010		045-19689	Kaufman 41A-25-692	X
418334	WELL	XX	07/16/2010		045-19690	Kaufman 41D-25-692	X
418336	WELL	XX	07/16/2010		045-19691	Kaufman 42B-25-692	X
418337	WELL	XX	07/16/2010		045-19692	Kaufman 41C-25-692	X
418340	LOCATION	AC	07/16/2010		-	KAUFMAN (PAD #4) 43D-25-692	
418348	WELL	XX	07/16/2010		045-19693	Kaufman 42A-25-692	X
418354	WELL	XX	07/16/2010		045-19694	Kaufman 43D-25-692	

**Equipment:** Location Inventory

Special Purpose Pits: <u>        </u>	Drilling Pits: <u>        </u>	Wells: <u>9</u>	Production Pits: <u>        </u>
Condensate Tanks: <u>6</u>	Water Tanks: <u>4</u>	Separators: <u>9</u>	Electric Motors: <u>        </u>
Gas or Diesel Mortors: <u>        </u>	Cavity Pumps: <u>        </u>	LACT Unit: <u>        </u>	Pump Jacks: <u>        </u>
Electric Generators: <u>        </u>	Gas Pipeline: <u>1</u>	Oil Pipeline: <u>1</u>	Water Pipeline: <u>1</u>
Gas Compressors: <u>        </u>	VOC Combustor: <u>2</u>	Oil Tanks: <u>        </u>	Dehydrator Units: <u>        </u>
Multi-Well Pits: <u>        </u>	Pigging Station: <u>        </u>	Flare: <u>        </u>	Fuel Tanks: <u>        </u>

**Location**

<b>Lease Road:</b>				
Type	Satisfactory/Unsatisfactory	comment	Corrective Action	Date
Access	Satisfactory			

<b>Signs/Marker:</b>				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
DRILLING/RECOMP	Satisfactory			

Emergency Contact Number: (S/U/V) Satisfactory Corrective Date: \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_

<b>Good Housekeeping:</b>				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
TRASH	Satisfactory			

<b>Spills:</b>				
Type	Area	Volume	Corrective action	CA Date
<input type="checkbox"/> Multiple Spills and Releases?				

<b>Venting:</b>		
Yes/No	Comment	

<b>Flaring:</b>				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date

**Predrill**

Location ID: 418340

**Site Preparation:**

Lease Road Adeq.: \_\_\_\_\_ Pads: \_\_\_\_\_ Soil Stockpile: \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

Group	User	Comment	Date
Agency	kertr	<p>Operator will notify any potentially impacted Public Water Systems within fifteen (15) stream miles downstream of the DCPS operation prior to the commencement of new surface disturbing activities at the site.</p> <p>When sufficient water exists in the Classified Water supply Segment, collection of baseline surface water data consisting of a pre-drilling surface water sample collected immediately down gradient of the oil and gas location and follow-up surface water data consisting of a sample collected at the same location three(3) months after the conclusion of any drilling activities and operations or completion. The sample parameters shall include;</p> <ul style="list-style-type: none"> <li>• pH;</li> <li>• Alkalinity;</li> <li>• Specific conductance;</li> <li>• Major cations/anions (chloride, fluoride, sulfate, sodium);</li> </ul>	07/16/2010

- Total dissolved solids;
- BTEX/DRO;
- TPH;
- PAH's (including benzo(a)pyrene; and
- Metals (arsenic, barium, calcium, chromium, iron, magnesium, selenium).

No more than 15% of the well pad shall be within 300 feet of the nearest high water mark of Gibson Gulch, the "317B Inner Buffer Area".

The well pad shall be constructed in a manner that ensures there is a slope toward the southwest corner of the pad to contain any spills that may occur

Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations.

Operator will construct a berm around the perimeter of the well pad to contain any spills that may occur. The berm will be matted, inspected at regular intervals (at least every 14 days) and maintained in good condition

Application of stormwater BMPs including construction of a diversion ditch at the base of the fill slopes on the west, north, and east sides of the well pad. This diversion ditch must be sloped so that all water enters a detention basin, currently proposed to be constructed near the northwest corner of the pad.

Standard stormwater BMPs will be implemented at this location, as necessary, to insure compliance with CDPHE and COGCC requirements

Well pad and access road will be gravel surfaced.

A spill response trailer will be on location during all drilling and completion operations to facilitate a timely response to any spills that may occur.

Appropriate heavy equipment (e.g., a backhoe) will be staged at the location during all drilling and completion operations so that any emergency diversions or pits to contain spills can be built immediately upon discovery.

An emergency spill response program that includes employee training, safety and maintenance provisions and current contact information for downstream Public Water System(s) located within fifteen (15) stream miles of the DCPS Operation, as well as the ability to notify any such downstream Public Water System(s) with an intake(s) within fifteen (15) stream miles downstream of the DCPS operations. In the event of a spill or release, the operator shall immediately implement the emergency response procedures in the above described emergency response program. If a spill or release impacts or threatens to impact a Public Water System, the operator shall notify the affected or potentially affected Public water system(s) immediately following discovery of the release and the spill or release shall be reported to the Commission in accordance with Rule 906.b.(3) and to the Environmental Release /Incident Report hotline (1-877-518-5608) in accordance with 906.b.(4)

All personnel working at the location during all drilling and completion operations will receive training on spill response and reporting. Documentation of this training will be maintained in BBC's Silt office.

At a minimum, weekly spill prevention meetings will be held identifying staff responsibilities in order to provide a quick and effective response to a spill. Appropriate documentation will be maintained in BBC's Silt office.

Operator will conduct daily inspections of DCPS equipment for leaks and equipment problems with appropriate documentation retained in BBC's Silt office. All DCPS equipment deficiencies shall be corrected.

Operator will use qualified containment devices for all appropriate chemicals/hazardous materials.

Operator will provide an increased testing frequency (at least every thirty (30) days) of blowout prevention equipment (BOPE) during drilling operations.

Operator will use a rig floor safety valve with connections suitable for use with each size and tool joint or coupling being used on the job;

Pitless drilling systems shall be utilized.

The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than deminimis amounts.

At the time of closure, the drill cuttings must meet the applicable standards of table 910-1.

Operator must implement best management practices to contain any unintentional release of fluids.

If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids from the pipeline.

Flowback and stimulation fluids shall be contained within tanks that are placed on the well pad in an area with down gradient perimeter berming;

Operator shall equip and maintain on all tanks an electronic level monitoring device that will immediately shut in all wells on the pad if the tanks are in danger of overfilling.

Operator shall install a 48 inch high steel containment ring around tank batteries to provide secondary containment and install a synthetic liner that underlies the entire battery and is keyed into the top of the containment ring.

Operator shall install electronic level monitoring within the containment ring around the tanks that will shut in all of the wells on the pad to prevent a tank release from overflowing the containment device.

Pursuant to a request by the Town of Silt, collection of surface water samples from a location on Divide Creek, that is down gradient of all operations on a quarterly basis. This is in addition to surface water sampling required in Rule 317B that will occur on Gibson Gulch.

**Wildlife BMPs:**

BMP Type	Comment
PROPOSED BMPs	<p>STORM WATER BEST MANAGEMENT PRACTICES MAR 1 6 2010</p> <p>BILL BARRETT CORPORATION</p> <p>GENERAL BMPs</p> <ul style="list-style-type: none"> <li>• Utilize diking and other forms of containment and diversions around tanks, drums, chemicals, liquids, pits, and impoundments.</li> <li>• Use drip pans, sumps, or liners where appropriate.</li> <li>• Limit the amount of land disturbed during construction of pad, access road, and facilities.</li> <li>• Employ spill response plan for all facilities.</li> <li>• Dispose properly offsite any wastes, fluids and other materials.</li> </ul>

#### MATERIAL HANDLING ACTIVITIES, PRACTICES AND STORM WATER

- Secondary containment of tanks, drums, and storage areas is mandatory to prohibit discharges to surface waters. A minimum of 110% capacity required of largest storage within containment area.

- Material handling and spill prevention procedures and practices will be followed to prohibit discharges to surface waters.

Proper loading, unloading and transportation procedures to be followed for all materials to and from location.

#### EROSION CONTROL

- Pad and access road to be designed to minimize erosion.

- Pad and access road to implement appropriate erosion control devices where necessary to minimize erosion.

- Routine inspections of sites and controls to be implemented with additions, repairs, and optimization to occur as necessary to minimize erosion.

#### SELF INSPECTION, MAINTANENCE, AND HOUSEKEEPING

- All employees are trained in spill response, good housekeeping, material management practices, and procedures for equipment and container washing at least once per year.

- Conduct internal storm water inspections at least semi - annually and within 24 hours of a heavy rain event.

- Conduct routine inspections of all tanks and storage facilities at least weekly.

- All containment areas are to be inspected weekly or following a heavy rain event. Any excessive precipitation accumulation within containment should be removed and disposed of properly.

- All structural berms, dikes, and containment will be inspected periodically to ensure they are operating correctly.

- Minimum of an annual storm water BMP inspection and outcome report documenting status, including repairs.

#### SPILL RESPONSE

- Follow spill response procedures.

- If spill occurs:

- Safely stop the source of the spill immediately.

- Contain the spill until clean -up is complete.

- Cover spill with appropriate absorbent material.

- Keep the area well ventilated.

- Dispose of clean -up materials properly.

- Do not use emulsifier or dispersant.

VEHICLE & LOCATION PROCEDURES

- Vehicles entering location are to be free of chemical, oil, mud, weeds, trash, and debris.
- Location to be treated to kill weeds and bladed when necessary.

Bill Barrett Corp — CDPHE Stormwater Permit Number: COR- 039752

**Stormwater:**

**Comment:** \_\_\_\_\_

**Staking:**

**On Site Inspection (305):**

Surface Owner Contact Information:

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Operator Rep. Contact Information:

Landman Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Date Onsite Request Received: \_\_\_\_\_ Date of Rule 306 Consultation: \_\_\_\_\_

Request LGD Attendance: \_\_\_\_\_

LGD Contact Information:

Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_ Agreed to Attend: \_\_\_\_\_

Summary of Landowner Issues:

\_\_\_\_\_

Summary of Operator Response to Landowner Issues:

\_\_\_\_\_

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

\_\_\_\_\_

**Well**

Facility ID: 418330    API Number: 045-19686    Status: XX    Insp. Status: ND

**Well Drilling**

**Rig:**    Rig Name: Paterson 313    Pusher/Rig Manager: \_\_\_\_\_  
 Permit Posted: Satisfactory    Access Sign: Satisfactory

**Well Control Equipment:**

Pipe Ram: \_\_\_\_\_    Blind Ram: \_\_\_\_\_    Hydril Type: \_\_\_\_\_  
 Pressure Test BOP: \_\_\_\_\_    Test Pressure PSI: \_\_\_\_\_    Safety Plan: \_\_\_\_\_

**Drill Fluids Management:**

Lined Pit: \_\_\_\_\_    Unlined Pit: \_\_\_\_\_    Closed Loop: YES    Semi-Closed Loop: \_\_\_\_\_  
 Multi-Well: YES    Disposal Location: \_\_\_\_\_

**Comment:**

Satisfactory

Facility ID: 418331    API Number: 045-19687    Status: XX    Insp. Status: ND

Facility ID: 418332    API Number: 045-19688    Status: XX    Insp. Status: ND

Facility ID: 418333    API Number: 045-19689    Status: XX    Insp. Status: ND

Facility ID: 418334    API Number: 045-19690    Status: XX    Insp. Status: ND

Facility ID: 418336    API Number: 045-19691    Status: XX    Insp. Status: ND

Facility ID: 418337    API Number: 045-19692    Status: XX    Insp. Status: ND

Facility ID: 418348    API Number: 045-19693    Status: XX    Insp. Status: ND

**Environmental**

**Spills/Releases:**

Type of Spill: \_\_\_\_\_    Description: \_\_\_\_\_    Estimated Spill Volume: \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_    Date: \_\_\_\_\_

Reportable: \_\_\_\_\_    GPS: Lat \_\_\_\_\_    Long \_\_\_\_\_

Proximity to Surface Water: \_\_\_\_\_    Depth to Ground Water: \_\_\_\_\_

**Water Well:**

DWR Receipt Num: \_\_\_\_\_    Owner Name: \_\_\_\_\_    GPS : \_\_\_\_\_    Lat \_\_\_\_\_    Long \_\_\_\_\_

**Field Parameters:**

Sample Location: \_\_\_\_\_

Emission Control Burner (ECB): \_\_\_\_\_

Comment: \_\_\_\_\_

Pilot: \_\_\_\_\_    Wildlife Protection Devices (fired vessels): \_\_\_\_\_

**Reclamation - Storm Water - Pit**

**Interim Reclamation:**

Date Interim Reclamation Started: \_\_\_\_\_ Date Interim Reclamation Completed: \_\_\_\_\_

Land Use: RANGELAND

Comment: \_\_\_\_\_

- 1003a. Debris removed? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Waste Material Onsite? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Unused or unneeded equipment onsite? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Pit, cellars, rat holes and other bores closed? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Guy line anchors removed? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_
- Guy line anchors marked? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_

1003b. Area no longer in use? \_\_\_\_\_ Production areas stabilized ? \_\_\_\_\_

1003c. Compacted areas have been cross ripped? \_\_\_\_\_

1003d. Drilling pit closed? \_\_\_\_\_ Subsidence over on drill pit? \_\_\_\_\_

Cuttings management: \_\_\_\_\_

1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? \_\_\_\_\_

Production areas have been stabilized? \_\_\_\_\_ Segregated soils have been replaced? \_\_\_\_\_

**RESTORATION AND REVEGETATION**

Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ Perennial forage re-established \_\_\_\_\_

Non-Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ 80% Revegetation \_\_\_\_\_

1003 f. Weeds Noxious weeds? \_\_\_\_\_

Comment: \_\_\_\_\_

Overall Interim Reclamation \_\_\_\_\_

**Final Reclamation/ Abandoned Location:**

Date Final Reclamation Started: \_\_\_\_\_ Date Final Reclamation Completed: \_\_\_\_\_

Final Land Use: RANGELAND

Reminder: \_\_\_\_\_

Comment: \_\_\_\_\_

Well plugged \_\_\_\_\_ Pit mouse/rat holes, cellars backfilled \_\_\_\_\_

Debris removed \_\_\_\_\_ No disturbance /Location never built \_\_\_\_\_

Access Roads Regraded \_\_\_\_\_ Contoured \_\_\_\_\_ Culverts removed \_\_\_\_\_

Inspector Name: LONGWORTH, MIKE

Gravel removed \_\_\_\_\_

Location and associated production facilities reclaimed \_\_\_\_\_

Locations, facilities, roads, recontoured \_\_\_\_\_

Compaction alleviation \_\_\_\_\_

Dust and erosion control \_\_\_\_\_

Non cropland: Revegetated 80% \_\_\_\_\_

Cropland: perennial forage \_\_\_\_\_

Weeds present \_\_\_\_\_

Subsidence \_\_\_\_\_

Comment:

Corrective Action:

Date

Overall Final Reclamation

**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment

S/U/V: \_\_\_\_\_

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

Comment:

CA: