

**FORM
INSP**Rev
05/11**State of Colorado
Oil and Gas Conservation Commission**1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109

DE	ET	OE	ES
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Inspection Date:
11/03/2014Document Number:
666800245Overall Inspection:
SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	418354	418340	Murray, Richard	<input type="checkbox"/>	

Operator Information:OGCC Operator Number: 10071Name of Operator: BARRETT CORPORATION* BILLAddress: 1099 18TH ST STE 2300City: DENVER State: CO Zip: 80202

- ☐ THIS IS A FOLLOW UP INSPECTION
- ☐ FOLLOW UP INSPECTION REQUIRED
- ☐ NO FOLLOW UP INSPECTION REQUIRED
- ☐ INSPECTOR REQUESTS FORM 42 WHEN CORRECTIVE ACTIONS ARE COMPLETED

Contact Information:

Contact Name	Phone	Email	Comment
Axelson, Aaron	(970) 230-0926	aaxelson@billbarrettcorp.com	Production Foreman
Kellerby, Shaun		shaun.kellerby@state.us.co	

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

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
09/13/2013	670200859	PR	PR	SATISFACTORY	I		No

Inspector Comment:**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
418330	WELL	PR	05/17/2012	GW	045-19686	Kaufman 42D-25-692	PR	<input checked="" type="checkbox"/>
418331	WELL	PR	06/05/2012	GW	045-19687	Kaufman 41B-25-692	PR	<input checked="" type="checkbox"/>
418332	WELL	PR	05/14/2012	GW	045-19688	Kaufman 42C-25-692	PR	<input checked="" type="checkbox"/>
418333	WELL	PR	06/05/2012	GW	045-19689	Kaufman 41A-25-692	PR	<input checked="" type="checkbox"/>
418334	WELL	PR	06/05/2012	GW	045-19690	Kaufman 41D-25-692	PR	<input checked="" type="checkbox"/>
418336	WELL	PR	05/07/2012	GW	045-19691	Kaufman 42B-25-692	PR	<input checked="" type="checkbox"/>
418337	WELL	PR	06/05/2012	GW	045-19692	Kaufman 41C-25-692	PR	<input checked="" type="checkbox"/>
418348	WELL	PR	06/13/2012	GW	045-19693	Kaufman 42A-25-692	PR	<input checked="" type="checkbox"/>
418354	WELL	PR	05/14/2012	GW	045-19694	Kaufman 43D-25-692	PR	<input checked="" type="checkbox"/>

Equipment:**Location Inventory**

Inspector Name: Murray, Richard

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

Location

Signs/Marker:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
CONTAINERS	SATISFACTORY			

Emergency Contact Number (S/A/V): SATISFACTORY

Corrective Date: _____

Comment: _____

Corrective Action: _____

Spills:

Type	Area	Volume	Corrective action	CA Date
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☐ Multiple Spills and Releases?

Equipment:

Type	#	Satisfactory/Action Required	Comment	Corrective Action	CA Date
Horizontal Heated Separator	1	SATISFACTORY			
Horizontal Heated Separator	20	SATISFACTORY			

Venting:

Yes/No	Comment

Flaring:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Predrill

Location ID: 418354

Site Preparation:

Lease Road Adeq.: _____ Pads: _____ Soil Stockpile: _____

S/A/V: _____

Corrective Action: _____ Date: _____ CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
Agency	kertr	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. When sufficient water exists in the Classified Water supply Segment, collection of baseline surface water data consisting of a pre-drilling surface water sample	07/16/2010

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;

- pH;
- Alkalinity;
- Specific conductance;
- Major cations/anions (chloride, fluoride, sulfate, sodium);
- 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 de minimis 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 overflowing.

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.

S/AV: _____

Comment:

No drilling or completions being performed at time of inspection, No visal signs of cuttings or pits

CA: _____

Date: _____

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">• Utilize diking and other forms of containment and diversions around tanks, drums, chemicals, liquids, pits, and impoundments.• Use drip pans, sumps, or liners where appropriate.• Limit the amount of land disturbed during construction of pad, access road, and facilities.• Employ spill response plan for all facilities.• Dispose properly offsite any wastes, fluids and other materials. <p>MATERIAL HANDLING ACTIVITIES, PRACTICES AND STORM WATER</p> <ul style="list-style-type: none">•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. <p>Proper loading, unloading and transportation procedures to be followed for all materials to and from location.</p> <p>EROSION CONTROL</p> <ul style="list-style-type: none">•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. <p>SELF INSPECTION, MAINTANENCE, AND HOUSEKEEPING</p> <ul style="list-style-type: none">• 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.
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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

S/A/V: SATISFACTORY

Comment: BMP's inplace

CA: **Date:**

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:

Facility

Facility ID: 418330 Type: WELL API Number: 045-19686 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 418331 Type: WELL API Number: 045-19687 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 418332 Type: WELL API Number: 045-19688 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 418333 Type: WELL API Number: 045-19689 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 418334 Type: WELL API Number: 045-19690 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 418336 Type: WELL API Number: 045-19691 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 418337 Type: WELL API Number: 045-19692 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 418348 Type: WELL API Number: 045-19693 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 418354 Type: WELL API Number: 045-19694 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

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:

Lat

Long

DWR Receipt Num:

Owner Name:

GPS :

Field Parameters:

Sample Location: _____

Emission Control Burner (ECB): N _____

Comment: _____

Pilot: ON _____

Wildlife Protection Devices (fired vessels): YES _____

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 REVEGETATIONCropland

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 _____

Inspector Name: Murray, Richard

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 _____

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 _____

Well Release on Active Location ☐

Multi-Well Location ☐

Storm Water:

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

S/A/V: _____

Corrective Date: _____

Comment: _____

CA: _____

Pits: ☐ NO SURFACE INDICATION OF PIT