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

FIELD INSPECTION FORM

DE	ET	OE	ES

Inspection Date: 09/13/2013

Document Number: 670200859

Overall Inspection: Satisfactory

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	418354	418340	BURGER, CRAIG	☐	

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
Axelson, Aaron	(970) 876-1959	aaxelson@billbarrettcorp.com	Production Foreman
Merry, Jesse		jmerry@billbarrettcorp.com	
Kellerby, Shaun		Shaun.Kellerby@state.co.us	NW Field Supervisor

Compliance Summary:

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

Inspector Comment:

Production equipment for location #423309 included on this inspection.

Related Facilities:

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

Equipment: Location Inventory

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

Location

Inspector Name: BURGER, CRAIG

Signs/Marker:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
BATTERY	Satisfactory			
WELLHEAD	Satisfactory			
TANK LABELS/PLACARDS	Satisfactory			

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

Comment:

Corrective Action:

Spills:				
Type	Area	Volume	Corrective action	CA Date

☐ Multilple Spills and Releases?

Fencing/:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
WELLHEAD	Satisfactory	cattle panel		
IGNITOR/COMBUSTOR	Satisfactory	wire fence		
SEPARATOR	Satisfactory	wire fence		

Equipment:					
Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Ancillary equipment	1	Satisfactory	descaler unit		
Emission Control Device	1	Satisfactory			
Horizontal Heated Separator	20	Satisfactory	21 horizontal separators with earth berm provided		
Plunger Lift	9	Satisfactory			
Bird Protectors	18	Satisfactory			
Gas Meter Run	1	Satisfactory			
Pig Station	1	Satisfactory			
Gathering Line	1	Satisfactory			
Deadman # & Marked	4	Satisfactory	some markers down		

Inspector Name: BURGER, CRAIG

Facilities: New Tank Tank ID:

Contents	#	Capacity	Type	SE GPS
CONDENSATE	8	500 BBLS	HEATED STEEL AST	39.502320,-107.603460

S/U/V:	Satisfactory	Comment:	
Corrective Action:		Corrective Date:	

Paint

Condition	Adequate

Other (Content)

Other (Capacity)

Other (Type)

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficent	Base Sufficient	Adequate

Corrective Action		Corrective Date	
Comment			

Venting:	
Yes/No	Comment
YES	bradenhead valves open

Flaring:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Ignitor/Combustor	Satisfactory			

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	kerrt	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 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;	07/16/2010

• 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.	

Comment: Berm provided around well pad.Drilling and completions finished.No signs of drill cuttings on location.

CA: **Date:**

Wildlife BMPs:

BMP Type	Comment
PROPOSED BMPs	STORM WATER BEST MANAGEMENT PRACTICES MAR 1 6 2010 BILL BARRETT CORPORATION GENERAL BMPs • 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.

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

Comment: Stormwater and erosion control BMP's in place. Material handling and spill prevention satisfactory.

CA: **Date:**

Stormwater:

Erosion BMPs	Present	Other BMPs	Present
			`

Corrective Action: Date:

Comments: Erosion BMPs:

Other BMPs:

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:

Inspector Name: BURGER, CRAIG

Emission Control Burner (ECB): Y

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? Pass CM

CA CA Date

Waste Material Onsite? Pass CM

CA CA Date

Unused or unneeded equipment onsite? Pass CM

CA CA Date

Pit, cellars, rat holes and other bores closed? Pass 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? Pass Production areas stabilized ? Pass

1003c. Compacted areas have been cross ripped? Pass

1003d. Drilling pit closed? Pass Subsidence over on drill pit? Pass

Cuttings management:

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

Production areas have been stabilized? Pass 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? P

Comment:

Overall Interim Reclamation In Process

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: Date Final Reclamation Completed:

Final Land Use: RANGELAND

Reminder:

Inspector Name: BURGER, CRAIG

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 Multi-Well Location ☐

Storm Water:

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Check Dams	Pass	Ditches	Pass			
Rip Rap	Pass					
Culverts	Pass	Gravel	Pass			
Sediment Traps	Pass					
Ditches	Pass	Check Dams	Pass			
Slope Roughening	Pass					
Seeding	Pass					
Waddles	Pass					
Hydro Mulch	Pass					
Berms	Pass	Compaction	Pass	MHSP	Pass	

S/U/V: Satisfactory Corrective Date: _____

Comment: Erosion rills forming on steep cut slope west of tank battery.

CA: