

FORM INSP Rev 05/11	State of Colorado Oil and Gas Conservation Commission <small>1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109</small>		DE	ET	OE	ES
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FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection <input type="checkbox"/>	2A Doc Num: _____
	416990	416979	BURGER, CRAIG		

Inspection Date:
09/06/2013

Document Number:
670200820

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

Compliance Summary:

QtrQtr: SESW Sec: 32 Twp: 6S Range: 91W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Unsatisfactory	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
03/02/2012	663800191	PR	PR	S			N

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
416984	WELL	PR	03/22/2011	GW	045-19420	GGU MILLER FED 34B-32-691	X
416985	WELL	PR	05/05/2011	GW	045-19421	GGU MILLER FED 33B-32-691	X
416987	WELL	PR	03/22/2011	GW	045-19422	GGU MILLER FED 33A-32-691	X
416988	WELL	PR	05/10/2011	GW	045-19423	GGU MILLER FED 33C-32-691	X
416989	WELL	PR	05/10/2011	GW	045-19424	GGU MILLER 23B-32-691	X
416990	WELL	PR	04/15/2011	GW	045-19425	GGU MILLER 24B-32-691	X
416991	WELL	PR	04/15/2011	GW	045-19426	GGU MILLER 24A-32-691	X
416992	WELL	PR	04/20/2011	GW	045-19427	GGU MILLER 24D-32-691	X
416993	WELL	PR	03/23/2011	GW	045-19428	GGU MILLER FED 34C-32-691	X
416994	WELL	PR	05/05/2011	GW	045-19429	GGU MILLER 24C-32-691	X
416995	WELL	PR	05/05/2011	GW	045-19430	GGU MILLER 23C-32-691	X
416996	WELL	PR	03/22/2011	GW	045-19431	GGU MILLER FED 34D-32-691	X
416997	WELL	PR	03/22/2011	GW	045-19432	GGU MILLER FED 34A-32-691	X
430352	PIT	AC	10/03/2012		-	MDP#6	X

Equipment: Location Inventory

Special Purpose Pits: _____	Drilling Pits: <u>1</u>	Wells: <u>13</u>	Production Pits: _____
Condensate Tanks: <u>6</u>	Water Tanks: <u>4</u>	Separators: <u>13</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>2</u>
Gas Compressors: _____	VOC Combustor: <u>2</u>	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: <u>1</u>	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

Location

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

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

Comment: _____

Corrective Action: _____

Good Housekeeping:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
WEEDS	Unsatisfactory	Weeds on location.	Manage weeds.	10/11/2013

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

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

Equipment:					
Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Bird Protectors	14	Satisfactory			
Ancillary equipment	4	Satisfactory	descaler units		
Pig Station	1	Satisfactory			
Gas Meter Run	2	Satisfactory			
Gathering Line	1	Satisfactory			
Plunger Lift	13	Satisfactory			
Horizontal Heated Separator	13	Satisfactory			
Emission Control Device	1	Satisfactory			

Facilities:		<input type="checkbox"/> New Tank	Tank ID: _____	
Contents	#	Capacity	Type	SE GPS
CONDENSATE	8	500 BBLS	HEATED STEEL AST	39.480070,-107.578920
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 Sufficient	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: 416979

Site Preparation:

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

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

Form 2A COAs:

Group	User	Comment	Date
Agency	kubeczkod	All pits must be lined.	05/03/2010

OGLA	kubeczko	FORM 15 EARTHEN PIT PERMIT COAs: 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. 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. The produced water storage pit must be fenced and netted. The operator must maintain the fencing and netting until the pit is closed.	10/03/2012
Agency	kubeczko	Operator must implement best management practices to contain any unintentional release of fluids.	05/03/2010
Agency	kubeczko	Location is in a sensitive area because of proximity to surface water; therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations.	05/03/2010
Agency	kubeczko	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 also meet the applicable standards of table 910-1.	05/03/2010
Agency	kubeczko	Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids.	05/03/2010
Agency	kubeczko	Location is in a sensitive area because of shallow groundwater; therefore either a lined drilling pit or closed loop system must be implemented.	05/03/2010

Comment: No drill cuttings observed on location. Pit is lined. Pit is fenced but not netted. Produced water not being stored in pit. Drilling and completions finished on location. Secondary containment for fluids in place.

CA:

Date: _____

Wildlife BMPs:

BMP Type	Comment
PROPOSED BMPs	<p>STORM WATER BEST MANAGEMENT</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.

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 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

General Housekeeping

BBC GENERAL PRACTICES
NOTIFICATIONS

? Proper notifications required by COGCC regulations or policy memos will be adhered to

TRENCHES/PITS/TEMPORARY FRAC TANKS

? Unlined pits will not be constructed on fill material.

? Drill cuttings from the wellbore will be directed into a lined and bermed surface containments. Any free liquids accumulated in the containment would be removed as soon as practicable.

? Drilling pits utilized for completion operations will be permitted (if applicable) and lined, operated in accordance with COGCC regulations, specifically Rule 903 and Rule 904. All permitted pits (Form 15) will be closed per Rule 905 and non-permitted drilling pits would be closed in accordance with Rule 1003.

? Drilling pits used for completion will be fenced with appropriate wildlife mesh on the bottom portion. Appropriate netting will be installed within 30 days of the pit becoming inactive.

? Flowback and stimulation fluids from the wells being completed will be sent to tanks and/or filters to allow the sand to settle out before the fluids are placed into the pit for reuse or disposal at a BBC SWD facility.

? All flowback water will be confined to the lined completion pit or storage tanks for a period not to exceed ninety days and will be recycled for re-use, piped or trucked offsite to one of the approved disposal facilities below. Flowback sands stored on location will be remediated and buried on location or hauled to a state approved disposal facility.

- o Circle B Land 33A-35-692SWD, API# 05-045-18493, UIC# 159277
- o GGU Rodreick #21B-31-691 SWD, API# 05-045-13803, UIC# 159176
- o Specialty #13A-28-692 SWD, API# 05-045-14054, UIC# 159212
- o Scott 41D-36-692 SWD, API# 05-045-11169, UIC# 159159

? Temporary frac tanks installed on location will have proper secondary containment according to SPCC regulations such as either putting a perimeter berm around location or around the frac tanks.

Wildlife	<p>BBC WILDLIFE BEST MANAGEMENT PRACTICES</p> <p>GENERAL WILDLIFE AND ENVIRONMENTAL PROTECTION MEASURES</p> <p>? Establish policies to protect wildlife (e.g., no poaching, no firearms, no dogs on location, no feeding of wildlife, etc.)</p> <p>? Promptly report spills that affect wildlife to the Water Quality Control Division of CDPHE and CDOW</p> <p>? Avoid location staging, refueling, and storage areas within 300 feet, of any reservoir, lake, wetland, or natural perennial or seasonal flowing stream or river.</p> <p>INFRASTRUCTURE LAYOUT WILDLIFE PROTECTION MEASURES</p> <p>? Implementing fugitive dust control measures</p> <p>? Limit parking to disturbed areas as much as possible</p> <p>DRILLING AND PRODUCTION OPERATION WILDLIFE PROTECTION MEASURES</p> <p>? Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multifunction contractors, where practicable.</p> <p>? Install exclusionary device to prevent bird and other wildlife access to equipment stacks, vents and openings.</p> <p>? Establish company guidelines to minimize wildlife mortality from vehicle collision on roads.</p> <p>FLUID PIT/POND WILDLIFE PROTECTION MEASURES</p> <p>? Install and maintain adequate measures to exclude all types of wildlife (e.g., big game and birds) from all fluid pits/ponds with fencing, flagging and other appropriate exclusion measures). BBC currently installs 6' wildlife proof fences on all pits and freshwater ponds with free liquids. In addition, BBC will install bird netting over "inactive" pits with free liquids after 30 days of inactivity.</p> <p>INVASIVE/NON-NATIVE VEGETATION CONTROL</p> <p>? Educate employees and contractors about noxious and invasive weed issues.</p> <p>RESTORATION, RECLAMATION AND ABANDONMENT</p> <p>? Avoid aggressive non-native grasses and shrubs in mule deer and elk habitat restorations.</p> <p>? Revegetate with seed mixtures that are of the surface owner's preference that are compatible with both livestock and wildlife.</p>
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Storm Water/Erosion Control	<p>BBC STORM WATER AND SPILL CONTROL PRACTICES</p> <p>GENERAL</p> <p>? Utilize diking and other forms of containment and diversions around tanks, drums, chemicals, liquids, pits, impoundments, or well pads</p> <p>? Use drip pans, sumps, or liners where appropriate</p> <p>? Limit the amount of land disturbed during construction of pad, access road, and facilities</p> <p>? Employ spill response plan (SPCC) for all facilities</p> <p>? Dispose properly offsite any wastes fluids and other materials</p> <p>MATERIAL HANDLING, ACTIVITIES, PRACTICES AND STORM WATER DIVERSION</p> <p>? 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 tank within a containment area</p> <p>? Material handling and spill prevention procedures and practices will be followed to help prohibit discharges to surface waters</p> <p>? Proper loading, and transportation procedures to be followed for all materials to and from locations</p> <p>EROSION CONTROL</p> <p>? Pad and access road to be designed to minimize erosion</p> <p>? Pad and access road to implement appropriate erosion control devices where necessary to minimize erosion</p> <p>? Routine inspections of sites and controls to be implemented with additions, repairs, and optimization to occur as necessary to minimize erosion</p> <p>SELF INSPECTION, MAINTENANCE, AND HOUSEKEEPING</p> <p>? All employees are trained in spill response, good housekeeping, material management practices, and procedures for equipment and container washing annually</p> <p>? Conduct internal storm water inspections per applicable stormwater regulations</p> <p>? Conduct routine informal inspections of all tanks and storage facilities at least weekly</p> <p>? All containment areas are to be inspected weekly or following a heavy rain event.</p> <p>? Any excessive precipitation accumulation within containment should be removed as appropriate and disposed of properly</p> <p>? All structural berms, dikes, and containment will be inspected periodically to ensure they are operating correctly</p> <p>SPILL RESPONSE</p> <p>? Spill response procedures as per the BBC field SPCC Plan</p> <p>VEHICLE & LOCATION PROCEDURES</p> <p>? Vehicles entering location are to be free of chemical, oil, mud, weeds, trash, and debris</p> <p>? Location to be treated to kill weeds and bladed when necessary</p> <p>Bill Barrett Corp. – CDPHE Stormwater Permit Number: COR-039752</p>
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Comment: Stormwater and erosion control BMP's in place.

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: _____	
<u>LGD Contact Information:</u>	
Name: _____	Phone Number: _____
Agreed to Attend: _____	
<u>Summary of Landowner Issues:</u>	
<u>Summary of Operator Response to Landowner Issues:</u>	
<u>Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:</u>	

Facility

Facility ID: 416984	Type: WELL	API Number: 045-19420	Status: PR	Insp. Status: PR
Producing Well				
Comment: plunger lift				
Facility ID: 416985	Type: WELL	API Number: 045-19421	Status: PR	Insp. Status: PR
Producing Well				
Comment: plunger lift				
Facility ID: 416987	Type: WELL	API Number: 045-19422	Status: PR	Insp. Status: PR
Producing Well				
Comment: plunger lift				
Facility ID: 416988	Type: WELL	API Number: 045-19423	Status: PR	Insp. Status: PR
Producing Well				
Comment: plunger lift				
Facility ID: 416989	Type: WELL	API Number: 045-19424	Status: PR	Insp. Status: PR
Producing Well				
Comment: plunger lift				
Facility ID: 416990	Type: WELL	API Number: 045-19425	Status: PR	Insp. Status: PR
Producing Well				
Comment: plunger lift				
Facility ID: 416991	Type: WELL	API Number: 045-19426	Status: PR	Insp. Status: PR
Producing Well				
Comment: plunger lift				
Facility ID: 416992	Type: WELL	API Number: 045-19427	Status: PR	Insp. Status: PR
Producing Well				
Comment: plunger lift				
Facility ID: 416993	Type: WELL	API Number: 045-19428	Status: PR	Insp. Status: PR

Producing Well

Comment: plunger lift

Facility ID: 416994 Type: WELL API Number: 045-19429 Status: PR Insp. Status: PR

Producing Well

Comment: plunger lift

Facility ID: 416995 Type: WELL API Number: 045-19430 Status: PR Insp. Status: PR

Producing Well

Comment: plunger lift

Facility ID: 416996 Type: WELL API Number: 045-19431 Status: PR Insp. Status: PR

Producing Well

Comment: plunger lift

Facility ID: 416997 Type: WELL API Number: 045-19432 Status: PR Insp. Status: PR

Producing Well

Comment: plunger lift

Facility ID: 430352 Type: PIT API Number: - Status: AC Insp. Status: AC

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): 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? _____ CM _____
 CA _____ CA Date _____
 Guy line anchors removed? _____ CM _____
 CA _____ CA Date _____
 Guy line anchors marked? Pass CM _____
 CA _____ CA Date _____

1003b. Area no longer in use? Pass Production areas stabilized ? _____
 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? _____
 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

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 Multi-Well Location

Storm Water:						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Ditches	Pass	Culverts	Pass			
Seeding	Pass	Rip Rap	Pass			
Berms	Pass	Check Dams	Pass	MHSP	Pass	
Gravel	Pass	Compaction	Pass			
Blankets	Pass	Ditches	Pass			

S/U/V: Satisfactory Corrective Date:

Comment:

CA:

Pits:

Pit Type: Multiwell Reuse/ Lined: YES Pit ID: 430352 Lat: 39.479852 Long: -107.578438

Lining:

Liner Type: HDPE Liner Condition: Adequate

Comment:

Fencing:

Fencing Type: Wildlife Fencing Condition: Adequate

Comment:

Netting:

Netting Type: Netting Condition:

Comment: No net. Flagging over pit.

Anchor Trench Present: YES Oil Accumulation: NO 2+ feet Freeboard:

Pit (S/U/V): Satisfactory Comment: Some water in pit that appears to be stormwater.

Corrective Action: Date:

Permit:	Facility ID	Permit Num	Expiration Date
	430352	400278587	
	430352	400278587	