

**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

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Inspection Date:

11/10/2015

Document Number:

673901192

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	437138	437136	Rains, Bill	<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
,		COGCC_FIR@billbarrettcop.com	All BBC Inspections

Compliance Summary:QtrQtr: NENW Sec: 11 Twp: 6N Range: 62W**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
437135	WELL	XX	05/13/2014		123-39414	Ruh 6-62-11-0362CH2	ND	<input checked="" type="checkbox"/>
437137	WELL	XX	05/13/2014		123-39415	Ruh 6-62-11-0461CH2	ND	<input checked="" type="checkbox"/>
437138	WELL	PR	05/08/2015	OW	123-39416	Ruh 6-62-11-0461BH2	PR	<input checked="" type="checkbox"/>

Equipment:**Location Inventory**

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>3</u>	Production Pits: _____
Condensate Tanks: _____	Water Tanks: <u>2</u>	Separators: <u>5</u>	Electric Motors: <u>3</u>
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: <u>3</u>
Electric Generators: <u>1</u>	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: <u>1</u>	VOC Combustor: <u>2</u>	Oil Tanks: <u>6</u>	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: <u>1</u>	Flare: <u>1</u>	Fuel Tanks: _____

Location

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

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

Corrective Date: _____

Comment: _____

Corrective Action: _____

Good Housekeeping:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
UNUSED EQUIPMENT	SATISFACTORY	Unused flare		05/10/2016

Spills:

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

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
LOCATION	SATISFACTORY	Wire		

Equipment:

Type	#	Satisfactory/Action Required	Comment	Corrective Action	CA Date
Horizontal Heated Separator	2	SATISFACTORY			
Plunger Lift	1	SATISFACTORY			
Gas Meter Run	3	SATISFACTORY			
Pig Station	2	SATISFACTORY			
VRU	2	SATISFACTORY			
Emission Control Device	3	SATISFACTORY			
Ancillary equipment	1	SATISFACTORY	Generator		
Other	1	SATISFACTORY	VRT		
Flare	1	SATISFACTORY			
Vertical Separator	1	SATISFACTORY			
Bird Protectors	5	SATISFACTORY			

Facilities:☐ New Tank

Tank ID: _____

Contents	#	Capacity	Type	SE GPS
			CENTRALIZED PAD	,
S/A/V:		Comment:		
Corrective Action:				Corrective Date:

Paint

Condition	
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Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
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Inspector Name: Rains, Bill

Corrective Action					Corrective Date
Comment					

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	2	400 BBLS	STEEL AST	,

S/A/V:		Comment:	shared berm
Corrective Action:			Corrective Date:

Paint

Condition	
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Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action					Corrective Date
Comment					

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
CRUDE OIL	10	400 BBLS	STEEL AST	40.508130,-104.292880

S/A/V:	SATISFACTORY	Comment:	
Corrective Action:			Corrective Date:

Paint

Condition	Adequate
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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
NO	

Flaring:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Predrill

Inspector Name: Rains, Bill

Location ID: 437138

Site Preparation:

Lease Road Adeq.: _____

Pads: _____

Soil Stockpile: _____

S/A/V: _____

Corrective Action: _____

Date: _____

CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
OGLA	andrewsd	MLVTs shall be constructed and operated in accordance with a design certified and sealed by a Colorado Licensed Professional Engineer.	04/23/2014
OGLA	andrewsd	All MLVT liner seams shall be welded at the liner manufacturers facility; field welded liners shall not be used. Liners shall not be reused.	04/23/2014
OGLA	andrewsd	Access to the MLVT shall be limited to operational personnel.	04/23/2014
OGLA	andrewsd	Once in operation, the MLVT shall be inspected daily and any deficiencies repaired as soon as practicable.	04/23/2014
OGLA	andrewsd	MLVTs may only be utilized for the storage of freshwater. E&P wastes, including produced water, treated E&P wastes, and flowback from hydraulic fracturing operations, are not allowed.	04/23/2014
OGLA	andrewsd	Operators employing MLVTs on their Oil & Gas Locations shall develop and comply with a written standard operating procedure.	04/23/2014
OGLA	andrewsd	COGCC Rules 604.a. and 605.a.(2,3,5,6,7, and 8), as applicable to tank setbacks at the time of installation shall apply to the siting of MLVTs.	04/23/2014
OGLA	andrewsd	Signs shall be posted on the MLVT to indicate contents are freshwater and that no E&P waste fluids are allowed. Location and additional signage shall conform to Rule 210.	04/23/2014
OGLA	andrewsd	MLVTs shall be operated with a minimum of 1 foot freeboard.	04/23/2014
OGLA	andrewsd	Site preparation and MLVT installation oversight shall be provided by a manufacturer representative either designated or otherwise certified to affirm that the site preparation and MLVT installation was completed in accordance with design specifications. Construction and installation of the tank structure, liner and sub-grade shall meet or exceed the manufacturer specifications.	04/23/2014
OGLA	andrewsd	Should a failure of MLVT integrity occur, operator shall notify COGCC upon discovery, report the incident to COGCC on a Form 22-Accident Report within 10 days, and shall conduct a root cause analysis and provide it to the COGCC on a Form 4-Sundry Notice within 30 days of the failure.	04/23/2014
Permit	SachenTo	Passes Permit review.	05/05/2014
OGLA	andrewsd	Operator shall be onsite and inspect for leaks during the initial filling of the MLVT. If leaks are observed, filling shall cease and the leaks be repaired and the integrity of the tank evaluated.	04/23/2014

S/A/V: _____ **Comment:** _____

CA: _____

Date: _____

Wildlife BMPs:

BMP Type	Comment
Drilling/Completion Operations	<p>Large Volume Above Ground Storage Tanks:</p> <p>BBC will be utilizing TWO 40,000 bbls tanks provided by Well Water Solutions. The tanks are approximately 156 feet in diameter and 12 feet tall. Well Water Solution's tanks are manufactured in accordance with designs and specifications that have been reviewed and certified by a Professional Engineer. The tanks will be erected by Well Water Solutions or a contractor authorized by Well Water Solutions to set up their tanks. The tanks will be filled with fresh water obtained from local fresh water sources. The tanks will be placed within the perimeter berm that will be constructed around the entire pad. The tanks will be placed on cut only. We also bring in dirt and create a solid, flat, and level area for the tank to sit on before the vender starts work on the tank. Then the vender digs a small trench and lays down a geo pad before starting to assemble the tank. During initial pad construction, compactors are utilized along with wetting of soil while compacting. This is standard BBC procedure. Also all fittings and flow lines are schedule 80 (2400 psi WP) along with all connections being welded. Tanks will be placed on a bed of sand with a 36 mil synthetic liner that is attached to 3' corrugated containment. The tank (s) will be on location for approximately 1 month. Freshwater will be obtained from Bluewater Resources Depot in Windsor, CO; an industrial water depot. Please see diagrams and contingency plan attached.</p>

Storm Water/Erosion
Control

STORM WATER AND SPILL CONTROL PRACTICES

GENERAL

- Utilize diking and other forms of containment and diversions around tanks, drums, chemicals, liquids, pits, impoundments, or well pads. Alternatively secondary containment may be provided around the entire perimeter of the location when containment structures are not feasible in immediate vicinity of storage vessels.
- 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 (SPCC) for all facilities
- Dispose properly offsite any wastes fluids and other materials

MATERIAL HANDLING, ACTIVITIES, PRACTICES AND STORM WATER DIVERSION

- 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
- Material handling and spill prevention procedures and practices will be followed to help prohibit discharges to surface waters
- Proper loading, and transportation procedures to be followed for all materials to and from locations

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, MAINTENANCE, AND HOUSEKEEPING

- All employees are trained in spill response, good housekeeping, material management practices, and procedures for equipment and container washing annually
- Conduct internal storm water inspections per applicable stormwater regulations
- Conduct routine informal 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 as appropriate and disposed of properly
- All structural berms, dikes, and containment will be inspected periodically to ensure they are operating correctly

SPILL RESPONSE

Spill response procedures as per the BBC field SPCC Plan

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

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Drilling/Completion
Operations

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.
- Drill cuttings will either be hauled to an approved spread field or waste disposal facility or will be treated and disposed of onsite. Disposal methods will comply with COGCC regulations.
- 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 hauled to a state approved disposal facility.
- 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.

S/A/V: _____ **Comment:** _____

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: 437135 Type: WELL API Number: 123-39414 Status: XX Insp. Status: ND

Facility ID: 437137 Type: WELL API Number: 123-39415 Status: XX Insp. Status: ND

Facility ID: 437138 Type: WELL API Number: 123-39416 Status: PR Insp. Status: PR

Producing Well

Comment: PR

BradenHead

Comment: Bradenhead exposed to surface.

CA: _____

CA Date: _____

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): 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: DRY LAND

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? Pass 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? _____

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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? _____ 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: DRY LAND
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
Gravel	Pass	Gravel	Pass			
Berms	Pass	Ditches	Pass			

S/A/V: SATISFACTOR Corrective Date: _____

Y
Comment: _____

CA: _____

Pits: ☒ NO SURFACE INDICATION OF PIT