

**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:

10/03/2012

Document Number:

668500156

Overall Inspection:

Unsatisfactory**FIELD INSPECTION FORM**

Location Identifier: 287173 Facility ID: 335834 Loc ID: Tracking Type: Inspector Name: Baroumand, Soraya

Operator Information:OGCC Operator Number: 10091 Name of Operator: BERRY PETROLEUM COMPANYAddress: 1999 BROADWAY STE 3700City: DENVER State: CO Zip: 80202**Contact Information:**

Contact Name	Phone	Email	Comment
DERANLEAU, GREG		greg.deranleau@state.co.us	
Freeman, Chris	(303) 999-4400	cpf@bry.com	Environmental
ASH, MARGARET		margaret.ash@state.co.us	
Johnson, Derek	(970) 285-2200	dsj@bry.com	Foreman
STANCZYK, JANE		jane.stanczyk@state.co.us	

Compliance Summary:QtrQtr: NESE Sec: 16 Twp: 5S Range: 95W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Unsatisfactory	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
08/16/2007	200120640	PR	ND	S			N

Inspector Comment:

This is an inactive built location which has not undergone oil and gas activities and requires interim reclamation. The pad was built prior to mid-2007 and the Re-filed wellbore permits expire next month. Site inspection photos & aerial images are referenced in document #668500156. Refer to the Reclamation & Final comment sections contained in this report for location details and the Corrective Action requirements.

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
287173	WELL	XX	10/21/2010	LO	045-12923	Long Ridge 09C I16 595	X
287174	WELL	XX	10/21/2010	LO	045-12922	Long Ridge 08A I16 595	X
287175	WELL	XX	10/21/2010	LO	045-12921	Long Ridge 09A I16 595	X
287176	WELL	XX	10/21/2010	LO	045-12920	Long Ridge 16D I16 595	X
287177	WELL	XX	10/21/2010	LO	045-12919	Long Ridge 08B I16 595	X
287178	WELL	XX	10/21/2010	LO	045-12918	Long Ridge 09B I16 595	X
287179	WELL	XX	10/21/2010	LO	045-12917	Long Ridge 08C I16 595	X
287180	WELL	XX	10/21/2010	LO	045-12916	Long Ridge 09D I16 595	X

Equipment:**Location Inventory**

Inspector Name: Baroumand, Soraya

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>8</u>	Production Pits: _____
Condensate Tanks: <u>5</u>	Water Tanks: <u>1</u>	Separators: <u>1</u>	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: <u>1</u>	Oil Pipeline: _____	Water Pipeline: <u>1</u>
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: _____	Dehydrator Units: <u>2</u>
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

Location

Lease Road:				
Type	Satisfactory/Unsatisfactory	comment	Corrective Action	Date
Access	Satisfactory	good condition		
Main	Satisfactory	good condition, adequate & maintained stormwater BMPs		

Signs/Marker:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
OTHER	Satisfactory	At location Entrance		

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

Comment: _____

Corrective Action: _____

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

Fencing/:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
OTHER	Satisfactory	4' welded wire enclosing conductors		

Venting:		
Yes/No	Comment	

Flaring:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date

Predrill

Location ID: 335834

Site Preparation:

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

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

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczkod	Notice to Operators (NTO) Drilling Wells on the Roan Plateau in Garfield County: Comply with all provisions of the June 12, 2008 Notice to Operators (NTO) Drilling Wells Within ¾ Mile of the Rim of the Roan Plateau in Garfield County – Pit Design, Construction, and Monitoring Requirements. At a minimum, the following condition of approval (COA) will apply: All pits must be lined.	10/21/2010
OGLA	kubeczkod	No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.	10/21/2010
OGLA	kubeczkod	Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., BMPs associated with stormwater management) sufficiently protective of the nearby surface water. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids.	10/21/2010
OGLA	kubeczkod	The nearby hillside must be monitored for any day-lighting of drilling fluids throughout the drilling of the surface casing interval.	10/21/2010
OGLA	kubeczkod	The access road will be constructed as to not allow any sediment to migrate from the access road to nearby surface water or any drainages leading to surface water.	10/21/2010
OGLA	kubeczkod	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.	10/21/2010
OGLA	kubeczkod	The location is in an area of high run off/run-on potential; therefore the pad shall be constructed to prevent any stormwater run-on and /or stormwater runoff.	10/21/2010
OGLA	kubeczkod	Any pit constructed to hold fluids (reserve pit, production pit; except for flare pit) must be lined.	10/21/2010

Comment:**CA:****Date:****Wildlife BMPs:**

BMP Type	Comment
Drilling/Completion Operations	<p>The following list of Best Management Practices (BMP's) that will be implemented by Berry Petroleum Company during the pad construction, well drilling, well completion, natural gas production and reclamation phases of activity on the Long Ridge I16 595 well Pad.</p> <p>A total of 8 wells will be directionally drilled from the I16 well pad. Directional drilling has enabled Berry Petroleum Company to reduce the number of well pads required for gas recovery and will minimize surface damage.</p> <p>The I16 well pad will be constructed adjacent to an existing road. This eliminates the need to construct an additional road for access and avoids additional surface disturbance.</p> <p>In general, Berry Petroleum Company will comply with all applicable federal, state and local statutes, rules, regulations and ordinances, including those of OSHA, the COGCC and the CDPHE. Relating to safety and the environment.</p> <p>During construction of the well pad, topsoil will be isolated from other soils and placed and stacked per COGCC requirements. All cuts, fill slopes, pits and topsoil piles will be stabilized and revegetated immediately following construction.</p> <p>The pad will be constructed in compliance with CDPHE Stormwater Discharge regulations. The reserve/completion pit will be fenced/flagged and/or netted to prevent entry of wildlife (including birds) and livestock.</p> <p>Bear proof dumpsters/trash cans will be used on the location for solid/food waste disposal. Noxious weeds will be controlled.</p> <p>Temporary housing for the drill rig crews will meet all Garfield County regulations. The housing quarters will receive 24/7 supervision by Berry Petroleum Company.</p> <p>Production tanks shall be placed on a non-permeable liner and surrounded by a metal containment wall at least 3 feet in height.</p>

Comment:**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: <u>287173</u>	Type: <u>WELL</u>	API Number: <u>045-12923</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>287174</u>	Type: <u>WELL</u>	API Number: <u>045-12922</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>287175</u>	Type: <u>WELL</u>	API Number: <u>045-12921</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>287176</u>	Type: <u>WELL</u>	API Number: <u>045-12920</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>287177</u>	Type: <u>WELL</u>	API Number: <u>045-12919</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>287178</u>	Type: <u>WELL</u>	API Number: <u>045-12918</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>287179</u>	Type: <u>WELL</u>	API Number: <u>045-12917</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>287180</u>	Type: <u>WELL</u>	API Number: <u>045-12916</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>

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): _____

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? Pass CM minimally stored materials

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? In 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? Fail Production areas stabilized? _____1003c. Compacted areas have been cross ripped? Fail

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? FailProduction areas have been stabilized? _____ Segregated soils have been replaced? Fail**RESTORATION AND REVEGETATION**Cropland

Top soil replaced _____ Recontoured _____ Perennial forage re-established _____

Non-CroplandTop soil replaced Fail Recontoured Fail 80% Revegetation Fail1003 f. Weeds Noxious weeds? PComment: Conduct interim reclamation for location per COGCC 1003 rules.Overall Interim Reclamation Fail**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 ☐

Inspector Name: Baroumand, Soraya

Storm Water:						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Ditches	Pass					
Compaction	Pass					
Berms	Pass					

S/U/V: Satisfactory Corrective Date: _____

Comment: No erosional features or stormwater issues noted. Stable location.

CA: _____

COGCC Comments

Comment	User	Date
<p>Corrective Action: 1. Implement Interim Reclamation per COGCC 1003 rules; 2. submit a site-specific interim reclamation plan and schedule; 3. Refile APDs or otherwise provide notice for plan of action. Inspection has been forwarded to Permit Group, OGLA, & Field Inspection Manager for review.</p> <p>This is an inactive built location which has not undergone oil and gas activities. The pad was built prior to mid-2007 and 8 well conductors have been set. The Re-filed wellbore permits expire next month, (November 2012). No interim reclamation consisting of land-forming, pad reduction, or revegetation has occurred. The well pad has extensive growth of russian thistle, (which is not categorized as "noxious", but is an invasive and non-beneficial weed.)</p> <p>Aerials images from 2009 show that a lined pit was constructed, but has now been removed and backfilled.</p> <p>Location is stable and stormwater BMPs and erosion control are adequate.</p> <p>Refer to Document # 668500157 for site inspection photos & aerial images.</p>	baroumas	10/04/2012

Attached Documents

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
668500157	Inspection photos and Aerials	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=2997548