

**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

Inspection Date:

08/13/2013

Document Number:

663900858

Overall Inspection:

Unsatisfactory**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	335886	335886	LONGWORTH, MIKE	<input type="checkbox"/>	

Operator Information:

OGCC Operator Number: 10091 Name of Operator: BERRY PETROLEUM COMPANY

Address: 1999 BROADWAY STE 3700

City: DENVER State: CO Zip: 80202

Contact Information:

Contact Name	Phone	Email	Comment
KELLERBY, SHAUN		shaun.kellerby@state.co.us	
SHARP, DON		don.sharp@state.co.us	
Johnson, Derek	970-285-2200	DSJ@Bry.com	

Compliance Summary:

QtrQtr: NESE Sec: 11 Twp: 6S Range: 97W

Inspector Comment:

Drilling permits expired 1/7/2013

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
292231	WELL	XX	12/15/2010	LO	045-14644	Berry 11-15D	X
292232	WELL	XX	12/22/2008	LO	045-14643	BERRY 11-16D	X
292233	WELL	XX	12/15/2010	LO	045-14642	Berry 11-5D	X
292234	WELL	XX	12/15/2010	LO	045-14641	Berry 11-6D	X
292235	WELL	XX	12/15/2010	LO	045-14640	Berry 11-4D	X
292236	WELL	XX	12/15/2010	LO	045-14639	Berry 11-3D	X
292237	WELL	XX	12/15/2010	LO	045-14638	Berry 11-1D	X
292238	WELL	XX	12/15/2010	LO	045-14637	Berry 11-2D	X

Equipment:Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: 8	Production Pits: _____
Condensate Tanks: 3	Water Tanks: 1	Separators: 2	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: 1	Oil Pipeline: _____	Water Pipeline: 1
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

Location

Emergency Contact Number: (S/U/V) _____

Corrective Date: _____

Comment: _____

Inspector Name: LONGWORTH, MIKE

Corrective Action:

Good Housekeeping:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
STORAGE OF SUPL	Unsatisfactory	Location is being used for storage.	Remove unneeded equipment for location	09/28/2013

Spills:

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

Yes/No	Comment

Flaring:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date

Predrill

Location ID: 335886

Site Preparation:

Lease Road Adeq.: _____

Pads: _____

Soil Stockpile: _____

Corrective Action: _____

Date: _____ CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczko	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.	12/31/2010
OGLA	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.	12/31/2010
OGLA	kubeczko	Flowback and stimulation fluids must be sent to tanks to allow the sand to settle out before the fluids can be placed into any pipeline or pit located on the well pad. The flowback and stimulation fluid tanks must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material (per Rule 604.a.(4)). Under unforeseen upset conditions during flowback operations, operator may discharge flowback fluids directly into the pit, as needed (notice of intent to directly discharge into the pit must be sent to Dave Kubeczko; email dave.kubeczko@state.co.us).	12/31/2010
OGLA	kubeczko	Any pit constructed to hold fluids (reserve pit, production pit, frac pit; except for flare pit, if built) must be lined.	12/31/2010

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: COA 6 - All pits must be lined.	12/31/2010
OGLA	kubeczkod	The nearby hillside must be monitored for any day-lighting of drilling fluids throughout the drilling of the surface casing interval.	12/31/2010
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., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.	12/31/2010
OGLA	kubeczkod	Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines.	12/31/2010
OGLA	kubeczkod	Berms or other containment devices shall be constructed in compliance with Rule 604.a.(4) around crude oil, condensate, and produced water storage tanks.	12/31/2010
OGLA	kubeczkod	Since the operator will be running up to 10 percent (by volume) diesel oil in the water based drilling mud as a shale stabilization and friction reduction additive while drilling the production hole interval, any pit constructed to hold fluids must be permitted, and approved, prior to construction and use (a Form 15 [Earthen Pit Report/Permit] will need to be submitted). Additional COAs may be attached to the Form 15.	12/31/2010

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 Berry I11 697 well Pad.</p> <p>A total of 8 wells will be directionally drilled from the I11 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 I11 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. 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**

Inspector Name: LONGWORTH, MIKE

Facility ID: 292231	Type: WELL	API Number: 045-14644	Status: XX	Insp. Status: ND
Facility ID: 292232	Type: WELL	API Number: 045-14643	Status: XX	Insp. Status: ND
Facility ID: 292233	Type: WELL	API Number: 045-14642	Status: XX	Insp. Status: ND
Facility ID: 292234	Type: WELL	API Number: 045-14641	Status: XX	Insp. Status: ND
Facility ID: 292235	Type: WELL	API Number: 045-14640	Status: XX	Insp. Status: ND
Facility ID: 292236	Type: WELL	API Number: 045-14639	Status: XX	Insp. Status: ND
Facility ID: 292237	Type: WELL	API Number: 045-14638	Status: XX	Insp. Status: ND
Facility ID: 292238	Type: WELL	API Number: 045-14637	Status: XX	Insp. Status: ND

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? Fail CM Storage on location

CA Remove unneed and unused equipment

CA Date 09/28/2013

Waste Material Onsite? Pass CM

CA

CA Date

Unused or unneeded equipment onsite? Fail CM Storage on locationCA Remove unneed and unused equipmentCA Date 09/28/2013Pit, cellars, rat holes and other bores closed? CMCA CA DateGuy line anchors removed? CMCA CA DateGuy line anchors marked? CMCA CA Date1003b. Area no longer in use? InProduction areas stabilized ? Pass1003c. Compacted areas have been cross ripped? CM1003d. Drilling pit closed? CM Subsidence over on drill pit? CMCuttings management: CM1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? CMProduction areas have been stabilized? CMSegregated soils have been replaced? CM**RESTORATION AND REVEGETATION**CroplandTop soil replaced CMRecontoured CMPerennial forage re-established CMNon-CroplandTop soil replaced CMRecontoured CM80% Revegetation CM1003 f. Weeds Noxious weeds? CMComment: CMOverall Interim Reclamation Fail**Final Reclamation/ Abandoned Location:**Date Final Reclamation Started: CMDate Final Reclamation Completed: CMFinal Land Use: RANGELANDReminder: CMComment: CMWell plugged CMPit mouse/rat holes, cellars backfilled CMDebris removed CMNo disturbance /Location never built CMAccess Roads Regraded CMContoured CMCulverts removed CMGravel removed CMLocation and associated production facilities reclaimed CMLocations, facilities, roads, recontoured CMCompaction alleviation CM Dust and erosion control CMNon cropland: Revegetated 80% CMCropland: perennial forage CMWeeds present CM Subsidence CMComment: CMCorrective Action: CMDate CMOverall Final Reclamation CMMulti-Well Location ☐

Inspector Name: LONGWORTH, MIKE

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

S/U/V: Satisfactory Corrective Date: _____

Comment: _____

CA: _____