

FORM INSP <small>Rev 05/11</small>	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: _____
	335673	335673	LONGWORTH, MIKE		

Inspection Date:
08/20/2014

Document Number:
674700222

Overall Inspection:
Unsatisfactory

Operator Information:

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

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	
Burns, Bryan		bburns@linenergy.com	
Johnson, Derek	970-285-2200	dsjohnson@linenergy.com	
Bang, Heidi	303-999-4262	HBang@linenergy.com	
White, Brent		bwhite@linenergy.com	Production Foreman

Compliance Summary:

QtrQtr: NWNW Sec: 21 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)
10/03/2012	668500161			S	I		N
09/21/2010	200274674	SR	PR	U			Y

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
287181	WELL	XX	11/14/2013	LO	045-12915	LONG RIDGE 04B D21 595	X
287182	WELL	XX	11/14/2013	LO	045-12914	LONG RIDGE 06C D21 595	X
287183	WELL	PR	07/02/2007	GW	045-12913	LONG RIDGE 04C D21 595	X
287184	WELL	PA	02/04/2011	GW	045-12912	LONG RIDGE 05B D21 595	X
287185	WELL	XX	11/14/2013	LO	045-12911	LONG RIDGE 05C D21 595	X
287186	WELL	XX	11/14/2013	LO	045-12910	LONG RIDGE 04A D21 595	X
287187	WELL	XX	11/14/2013	LO	045-12909	LONG RIDGE 05A D21 595	X
287188	WELL	XX	11/14/2013	LO	045-12908	LONG RIDGE 06D D21 595	X
288931	PIT	AC	01/12/2007		-	LONG RIDGE LR05B D21 595	
421141	WELL	XX	11/14/2013	LO	045-20311	LONG RIDGE 03C D21 595	X
421142	WELL	XX	11/14/2013	LO	045-20312	LONG RIDGE 05D D21 595	X
421143	WELL	XX	11/14/2013	LO	045-20313	LONG RIDGE 06B D21 595	X
421144	WELL	XX	11/14/2013	LO	045-20314	LONG RIDGE 05BDR D21 595	X
421151	WELL	XX	11/14/2013	LO	045-20321	LONG RIDGE 04D D21 595	X

Equipment:		Location Inventory					
Special Purpose Pits:	_____	Drilling Pits:	_____	Wells:	13	Production Pits:	_____
Condensate Tanks:	5	Water Tanks:	1	Separators:	1	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:	3
Multi-Well Pits:	_____	Pigging Station:	_____	Flare:	_____	Fuel Tanks:	_____

Location

Signs/Marker:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
BATTERY	Satisfactory			
TANK LABELS/PLACARDS	Satisfactory			
CONTAINERS	Satisfactory			
WELLHEAD	Satisfactory	Well sign has wrong Api. #		

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

Comment: _____

Corrective Action: _____

Good Housekeeping:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
TRASH	Unsatisfactory	Trash and unused materials inside of undrilled well cellars.	Clean trash and unused materials out of cellars	09/04/2014

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

Fencing/:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
WELLHEAD	Satisfactory	Well and conductors		
TANK BATTERY	Satisfactory			

Equipment:					
Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Bird Protectors	1	Satisfactory			
Horizontal Heated Separator	1	Satisfactory			
Ancillary equipment	1	Satisfactory	Chemical container		
Plunger Lift	1	Satisfactory			

Facilities:		<input type="checkbox"/> New Tank	Tank ID: _____		
Contents	#	Capacity	Type	SE GPS	
CONDENSATE	1	100 BBLS	STEEL AST	39.603670,-108.066440	
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	
Earth	Adequate	Walls Sufficient	Base Sufficient	Adequate	
Corrective Action				Corrective Date	
Comment					
Venting:					
Yes/No		Comment			
Flaring:					
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date	

Predrill			
Location ID: 335673			
Site Preparation:			
Lease Road Adeq.:	Pads:	Soil Stockpile:	_____
Corrective Action:	Date:	CDP Num.:	_____
Form 2A COAs:			
Group	User	Comment	Date
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	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
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	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	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	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	kubeczko	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 ¼ 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	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	kubeczko	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	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

Comment: No drilling or completions occurring

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 D21 595 well Pad. A total of 13 wells will be directionally drilled from the D21 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 D21 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: No drilling or completions occurring

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: 287181 Type: WELL API Number: 045-12915 Status: XX Insp. Status: ND

Facility ID: 287182 Type: WELL API Number: 045-12914 Status: XX Insp. Status: ND

Facility ID: 287183 Type: WELL API Number: 045-12913 Status: PR Insp. Status: PR

Producing Well

Comment:

Facility ID:	<u>287184</u>	Type:	<u>WELL</u>	API Number:	<u>045-12912</u>	Status:	<u>PA</u>	Insp. Status:	<u>PA</u>
Facility ID:	<u>287185</u>	Type:	<u>WELL</u>	API Number:	<u>045-12911</u>	Status:	<u>XX</u>	Insp. Status:	<u>ND</u>
Facility ID:	<u>287186</u>	Type:	<u>WELL</u>	API Number:	<u>045-12910</u>	Status:	<u>XX</u>	Insp. Status:	<u>ND</u>
Facility ID:	<u>287187</u>	Type:	<u>WELL</u>	API Number:	<u>045-12909</u>	Status:	<u>XX</u>	Insp. Status:	<u>ND</u>
Facility ID:	<u>287188</u>	Type:	<u>WELL</u>	API Number:	<u>045-12908</u>	Status:	<u>XX</u>	Insp. Status:	<u>ND</u>
Facility ID:	<u>421141</u>	Type:	<u>WELL</u>	API Number:	<u>045-20311</u>	Status:	<u>XX</u>	Insp. Status:	<u>ND</u>
Facility ID:	<u>421142</u>	Type:	<u>WELL</u>	API Number:	<u>045-20312</u>	Status:	<u>XX</u>	Insp. Status:	<u>ND</u>
Facility ID:	<u>421143</u>	Type:	<u>WELL</u>	API Number:	<u>045-20313</u>	Status:	<u>XX</u>	Insp. Status:	<u>ND</u>
Facility ID:	<u>421144</u>	Type:	<u>WELL</u>	API Number:	<u>045-20314</u>	Status:	<u>XX</u>	Insp. Status:	<u>ND</u>
Facility ID:	<u>421151</u>	Type:	<u>WELL</u>	API Number:	<u>045-20321</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:

DWR Receipt Num: _____ Owner Name: _____ GPS : _____ Lat _____ Long _____

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:

[Empty comment box]

- 1003a. Debris removed? _____ CM _____
CA _____ CA Date _____
- Waste Material Onsite? _____ CM _____
CA _____ CA Date _____
- Unused or unneeded equipment onsite? _____ 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? _____ CM _____
CA _____ CA Date _____

- 1003b. Area no longer in use? _____ Production areas stabilized ? _____
- 1003c. Compacted areas have been cross ripped? _____

- 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? _____
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: [Empty comment box]

Overall Interim Reclamation

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: _____ Date Final Reclamation Completed: _____

Final Land Use: RANGELAND

Reminder:

Comment: [Empty comment box]

- 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 _____

Inspector Name: LONGWORTH, MIKE

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
Compaction	Pass	Compaction	Pass	SR	Pass	Spill kit at separator
Gravel	Pass	Ditches	Pass			
Seeding	Pass	Gravel	Pass			
Ditches	Pass	Culverts	Pass	VT	Pass	
Berms	Pass	Check Dams	Pass	MHSP	Pass	Secondary containment

S/U/V: Satisfactory _____ Corrective Date: _____

Comment: _____

CA: _____

Permit:	Facility ID	Permit Num	Expiration Date
	288931	1433586	
	288931	1433586	

COGCC Comments		
Comment	User	Date
Undrilled wells need covers welded to open pipes.	longworm	08/20/2014

Attached Documents

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

Document Num	Description	URL
674700223	Conductors open casings and unwelded covers	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3414772