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

FIELD INSPECTION FORM

DE	ET	OE	ES

Inspection Date: 09/18/2013

Document Number: 663902210

Overall Inspection: Satisfactory

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	335965	335965	LONGWORTH, MIKE	☐	

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
Johnson, Derek	970-285-2200	DSJ@Bry.com	
KELLERBY, SHAUN		shaun.kellerby@state.co.us	
Freeman, Chris		cpf@bry.com	
White, Brent		bkw@bry.com	Production Foreman

Compliance Summary:

QtrQtr: NENW Sec: 29 Twp: 5S Range: 96W

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
287089	WELL	XX	05/23/2013	LO	045-12878	CHEVRON 29-13D	X
287090	WELL	XX	05/23/2013	LO	045-12877	CHEVRON 29-14D	X
287091	WELL	PR	01/11/2010	GW	045-12876	CHEVRON 29-15D	X
287092	WELL	XX	05/23/2013	LO	045-12875	CHEVRON 29-16D	X
287093	WELL	XX	05/23/2013	LO	045-12874	CHEVRON 29-7D	X
287094	WELL	XX	05/23/2013	LO	045-12873	CHEVRON 29-8D	X
287095	WELL	PR	01/11/2010	GW	045-12872	CHEVRON 29-12D	X
287096	WELL	PR	02/13/2012	GW	045-12871	CHEVRON 29-11D	X
298426	WELL	PR	02/13/2012	GW	045-17201	CHEVRON 29-3D	X
298427	WELL	XX	05/23/2013	LO	045-17202	CHEVRON 29-5D	X
298428	WELL	XX	05/23/2013	LO	045-17203	CHEVRON 29-6D	X
420685	PIT		09/03/2009		-	CHEVRON CD-29	

Equipment: Location Inventory

Inspector Name: LONGWORTH, MIKE

Special Purpose Pits:		Drilling Pits:		Wells:	11	Production Pits:	1
Condensate Tanks:	3	Water Tanks:	2	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

Lease Road:				
Type	Satisfactory/Unsatisfactory	comment	Corrective Action	Date
Access	Satisfactory			

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

Comment:

Corrective Action:

Spills:				
Type	Area	Volume	Corrective action	CA Date

☐ Multilple Spills and Releases?

Fencing/:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
WELLHEAD	Satisfactory			

Equipment:					
Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Ancillary equipment	1	Satisfactory	well treatment chemical tote at wells		
Horizontal Heated Separator	4	Satisfactory			
Plunger Lift	4	Satisfactory			
Bird Protectors	8	Satisfactory			

Inspector Name: LONGWORTH, MIKE

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
CONDENSATE	1	100 BBLS	PBV STEEL	,

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

Corrective Action		Corrective Date	
Comment			

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
CONDENSATE	4	300 BBLS	HEATED STEEL AST	39.589750,-108.197840

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 Sufficent	Base Sufficient	Adequate

Corrective Action		Corrective Date	
Comment			

Venting:

Yes/No	Comment

Flaring:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date

Predrill

Location ID: 335965

Site Preparation:

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

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

Inspector Name: LONGWORTH, MIKE

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczkod	GENERAL ROAN RIM COAs: Notify the COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email dave.kubeczko@state.co.us) and the COGCC Field Inspection Supervisor for Northwest Colorado (Shaun Kellerby; email shaun.kellerby@state.co.us) 48 hours prior to start of construction. Reserve pit, or any other pit used to contain/hold fluids, if constructed, must be lined or a closed loop system (as indicated on the Form 2A Permit application by operator in Section 6. Construction) must be implemented during drilling. The nearby hillside must be monitored for any day-lighting of drilling fluids throughout the drilling of the surface casing interval. 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. 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. 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. 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)). In addition, operator must implement odor controls during fracing operations. Notify the COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email dave.kubeczko@state.co.us) and the COGCC Field Inspection Supervisor for Northwest Colorado (Shaun Kellerby; email shaun.kellerby@state.co.us) 48 hours prior to start of fracing operations. Berms or other containment devices shall be constructed in compliance with Rule 604.a.(4) around crude oil, condensate, and produced water storage tanks.	02/07/2011
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 (if constructed) must be lined.	02/07/2011

OGLA	kubeczkod	SENSITIVE AREA (CLOSE PROXIMITY TO SURFACE WATER) COAs: Location is in a sensitive area because of close 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. Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines.	02/07/2011

Comment:

CA: **Date:**

Wildlife BMPs:

BMP Type	Comment
Drilling/Completion Operations	The following list of Best Managenment 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 Chevron CD-29 596 well Pad. A total of 11 wells have and/or will be directionally drilled from the CD-29 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. The CD-29 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. In general, Berry Petroleum Company will comply with all applicable federal, state and local statues, rules, regulations and ordinances, including those of OSHA, the COGCC and the CDPHE. Relating to safety and the environment. 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. 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. Bear proof dumpsters/trash cans will be used on the location for solid/food waste disposal. Noxious weeds will be controlled. 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. Production tanks shall be placed on a non-permeable liner and surrounded by a metal containment wall at least 3 feet in height.

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	Type	API Number	Status	Insp. Status
287089	WELL	045-12878	XX	ND
287090	WELL	045-12877	XX	ND
287091	WELL	045-12876	PR	PR

Producing Well

Comment: Producing well

Facility ID	Type	API Number	Status	Insp. Status
287092	WELL	045-12875	XX	ND
287093	WELL	045-12874	XX	ND
287094	WELL	045-12873	XX	ND
287095	WELL	045-12872	PR	PR

Producing Well

Comment: Producing well

Facility ID	Type	API Number	Status	Insp. Status
287096	WELL	045-12871	PR	PR

Producing Well

Comment: Producing well

Facility ID	Type	API Number	Status	Insp. Status
298426	WELL	045-17201	PR	PR

Producing Well

Comment: Producing well

Facility ID	Type	API Number	Status	Insp. Status
298427	WELL	045-17202	XX	ND
298428	WELL	045-17203	XX	ND

Environmental

Spills/Releases:

Type of Spill: _____ Description: _____ Estimated Spill Volume: _____

Comment:

Inspector Name: LONGWORTH, MIKE

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

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? Fail CM 7 cellars with conductors, rat and mouse holes

CA Close all cellars, conductors, rat and mouse holes when permits expire CA Date 06/21/2015

Guy line anchors removed? Pass CM

CA CA Date

Guy line anchors marked? CM

CA CA Date

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

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? Fail

Production areas have been stabilized? Segregated soils have been replaced?

RESTORATION AND REVEGETATION

Cropland

Top soil replaced Recontoured Perennial forage re-established

Non-Cropland

Inspector Name: LONGWORTH, MIKE

Top soil replaced _____ Recontoured _____ 80% Revegetation _____

1003 f. Weeds Noxious weeds? _____

Comment: Outer edges and disturbed areas have recently been seeded

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 ☐

Storm Water:

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Seeding		Retention Ponds	Pass			
Berms	Pass	Berms	Pass	MHSP	Pass	secondary containment for chemical totes
Ditches	Pass	Culverts	Pass			
Compaction	Pass	Compaction	Pass			
Gravel	Pass	Ditches	Pass			

S/U/V: Satisfactory Corrective Date: _____

Comment: Road and storm water crew maintaining roads and BMPs after days of rain

CA: _____

Permit:

Facility ID	Permit Num	Expiration Date
420685	1171084	