

**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

Inspection Date:

07/07/2016

Document Number:

680100963

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	335673	335673	Colby, Lou	<input type="checkbox"/>	

Operator Information:OGCC Operator Number: 10516Name of Operator: LINN OPERATING INCAddress: 600 TRAVIS STREET #5100City: HOUSTON State: TX Zip: 77002

- ☐ 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
		MFoster@linnenergy.com	
		bburns@linnenergy.com	
		thogelin@linnenergy.com	
		dsjohnson@linnenergy.com	

Compliance Summary:QtrQtr: NWNW Sec: 21 Twp: 5S Range: 95W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
08/20/2014	674700222			ACTION REQUIRED			No
10/03/2012	668500161			SATISFACTORY	I		No
09/21/2010	200274674	SR	PR	ACTION REQUIRED			Yes

Inspector Comment:

This is an Interim Reclamation and Stormwater focused Inspection. Any Corrective Actions from previous Inspections that have not been addressed are still applicable. This Location has One PR, One PA and 11 XX (Permits Expired 12/29/2015) Wells.

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
287181	WELL	XX	11/14/2013	LO	045-12915	LONG RIDGE 04B D21 595	RI	<input checked="" type="checkbox"/>
287182	WELL	XX	11/14/2013	LO	045-12914	LONG RIDGE 06C D21 595	RI	<input checked="" type="checkbox"/>
287183	WELL	PR	07/02/2007	GW	045-12913	LONG RIDGE 04C D21 595	RI	<input checked="" type="checkbox"/>
287184	WELL	PA	02/04/2011	GW	045-12912	LONG RIDGE 05B D21 595	RI	<input checked="" type="checkbox"/>
287185	WELL	XX	11/14/2013	LO	045-12911	LONG RIDGE 05C D21 595	RI	<input checked="" type="checkbox"/>
287186	WELL	XX	11/14/2013	LO	045-12910	LONG RIDGE 04A D21 595	RI	<input checked="" type="checkbox"/>
287187	WELL	XX	11/14/2013	LO	045-12909	LONG RIDGE 05A D21 595	RI	<input checked="" type="checkbox"/>

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287188	WELL	XX	11/14/2013	LO	045-12908	LONG RIDGE 06D D21 595	RI	<input checked="" type="checkbox"/>
288931	PIT	AC	01/12/2007		-	LONG RIDGE LR05B D21 595	AC	<input type="checkbox"/>
421141	WELL	XX	11/14/2013	LO	045-20311	LONG RIDGE 03C D21 595	RI	<input checked="" type="checkbox"/>
421142	WELL	XX	11/14/2013	LO	045-20312	LONG RIDGE 05D D21 595	RI	<input checked="" type="checkbox"/>
421143	WELL	XX	11/14/2013	LO	045-20313	LONG RIDGE 06B D21 595	RI	<input checked="" type="checkbox"/>
421144	WELL	XX	11/14/2013	LO	045-20314	LONG RIDGE 05BDR D21 595	RI	<input checked="" type="checkbox"/>
421151	WELL	XX	11/14/2013	LO	045-20321	LONG RIDGE 04D D21 595	RI	<input checked="" type="checkbox"/>

Equipment:Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>13</u>	Production Pits: _____
Condensate Tanks: <u>5</u>	Water Tanks: <u>1</u>	Separators: <u>1</u>	Electric Motors: _____
Gas or Diesel Motors: _____	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>3</u>
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

Location**Lease Road:**

Type	Satisfactory/Action Required	comment	Corrective Action	Date

Signs/Marker:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Emergency Contact Number (S/AR): _____

Corrective Date: _____

Comment: _____

Corrective Action: _____

Good Housekeeping:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

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

Equipment:			
Type:	#	Satisfactory/Action Required:	
Comment			
Corrective Action			Date:

Venting:	
Yes/No	
Comment	

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

Predrill

Location ID: 335673

Lease Road Adeq.: _____

Pads: _____

Soil Stockpile: _____

S/AR: _____

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

Form 2A COAs:

Group	User	Comment	Date
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	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	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	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	kubeczkod	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	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.	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	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	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	Any pit constructed to hold fluids (reserve pit, production pit, frac pit; except for flare pit, if built) must be lined.	12/31/2010

S/AR: _____ **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 D21 595 well Pad.</p> <p>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>

S/AR: _____ **Comment:** _____

Inspector Name: Colby, Lou

CA: _____	Date: _____
Comment: _____	
Staking: _____	
On Site Inspection (305):	
<u>Surface Owner Contact Information:</u>	
Name: _____	Address: _____
Phone Number: _____	Cell Phone: _____
<u>Operator Rep. Contact Information:</u>	
Landman Name: _____	Phone Number: _____
Date Onsite Request Received: _____	Date of Rule 306 Consultation: _____
Request LGD Attendance: _____	
<u>LGD Contact Information:</u>	
Name: _____	Phone Number: _____
Agreed to Attend: _____	
<u>Summary of Landowner Issues:</u>	

<u>Summary of Operator Response to Landowner Issues:</u>	

<u>Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:</u>	

Facility									
Facility ID:	287181	Type:	WELL	API Number:	045-12915	Status:	XX	Insp. Status:	RI
Facility ID:	287182	Type:	WELL	API Number:	045-12914	Status:	XX	Insp. Status:	RI
Facility ID:	287183	Type:	WELL	API Number:	045-12913	Status:	PR	Insp. Status:	RI
Facility ID:	287184	Type:	WELL	API Number:	045-12912	Status:	PA	Insp. Status:	RI
Facility ID:	287185	Type:	WELL	API Number:	045-12911	Status:	XX	Insp. Status:	RI
Facility ID:	287186	Type:	WELL	API Number:	045-12910	Status:	XX	Insp. Status:	RI
Facility ID:	287187	Type:	WELL	API Number:	045-12909	Status:	XX	Insp. Status:	RI
Facility ID:	287188	Type:	WELL	API Number:	045-12908	Status:	XX	Insp. Status:	RI
Facility ID:	421141	Type:	WELL	API Number:	045-20311	Status:	XX	Insp. Status:	RI
Facility ID:	421142	Type:	WELL	API Number:	045-20312	Status:	XX	Insp. Status:	RI
Facility ID:	421143	Type:	WELL	API Number:	045-20313	Status:	XX	Insp. Status:	RI
Facility ID:	421144	Type:	WELL	API Number:	045-20314	Status:	XX	Insp. Status:	RI

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Facility ID: 421151 Type: WELL API Number: 045-20321 Status: XX Insp. Status: RI

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. Waste and Debris removed? Pass

CM _____

CA _____ CA Date _____

Unused or unneeded equipment onsite? Pass

CM _____

CA _____ CA Date _____

Pit, cellars, rat holes and other bores closed? _____

CM XX Wells with Conductors, Cellars and Rat Holes on site

CA _____ CA Date _____

Guy line anchors marked? _____

CM One Anchor noted with Marker knocked down

CA _____ CA Date _____

1003b. Area no longer in use? Pass 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?	Pass
	Production areas have been stabilized?	Pass
	Segregated soils have been replaced?	

Top soil replaced	Recontoured	Pass	80% Revegetation	Pass
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Comment: Pass of Interim Rec is not being given as Well Pad size could be reduced after Drilling or Abandonment of XX Wells. Present Vegetation is well established and has stabilized site.

Comment:

Comment: _____

Corrective Action: _____ Date _____

Overall Final Reclamation Well Release on Active Location Multi-Well Location

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Berms	Pass					
Sediment Traps	Pass					
Ditches	Pass					
Seeding	Pass					

Y

Comment: Site is Stable and has no Sediment Migration concerns, On or Off Site

CA:

Pits: NO SURFACE INDICATION OF PIT

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Comment	User	Date
Further Review is being conducted on XX Wells with Expired Permits, Conductors Set, AL Status; results of review will be addressed in following Inspections.	colbyl	07/15/2016

Attached Documents

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

Document Num	Description	URL
680100964	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3905432