

**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:

680100952

Overall Inspection:

SATISFACTORY w/ CMT  
or AR**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	335834	335834	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
		thogelin@linnenergy.com	
		bburns@linnenergy.com	
		dsjohnson@linnenergy.com	
		MFoster@linnenergy.com	

**Compliance Summary:**QtrQtr: NESE Sec: 16 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)
06/20/2016	674702844			SATISFACTORY			No
09/25/2015	674701875			SATISFACTORY			No
08/20/2014	674700217			SATISFACTORY			No

**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 Built Location has Eight XX Wells; APDs first Approved in 2006, Permits Expired 12/29/2015. Eight Conductors are Set. Aerial images from 2009 show that lined pits were constructed, but have been removed / backfilled. Interim Reclamation has been installed, though after Drilling and Pad Reduction additional areas would be incorporated into Interim Reclamation.

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
287173	WELL	XX	11/21/2013	LO	045-12923	LONG RIDGE 09C I16 595	RI	<input checked="" type="checkbox"/>
287174	WELL	XX	11/21/2013	LO	045-12922	LONG RIDGE 08A I16 595	RI	<input checked="" type="checkbox"/>
287175	WELL	XX	11/21/2013	LO	045-12921	LONG RIDGE 09A I16 595	RI	<input checked="" type="checkbox"/>
287176	WELL	XX	11/21/2013	LO	045-12920	LONG RIDGE 16D I16 595	RI	<input checked="" type="checkbox"/>
287177	WELL	XX	11/21/2013	LO	045-12919	LONG RIDGE 08B I16 595	RI	<input checked="" type="checkbox"/>
287178	WELL	XX	11/21/2013	LO	045-12918	LONG RIDGE 09B I16 595	RI	<input checked="" type="checkbox"/>

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287179	WELL	XX	11/21/2013	LO	045-12917	LONG RIDGE 08C I16 595	RI	<input checked="" type="checkbox"/>
287180	WELL	XX	11/21/2013	LO	045-12916	LONG RIDGE 09D I16 595	RI	<input checked="" type="checkbox"/>

**Equipment:**Location Inventory

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 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>2</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
STORAGE OF SUPL	<b>ACTION REQUIRED</b>	Stock piles of Gravel at either end of Conductor Line, are vegetating & obviously not needed for Use on Location	Remove or utilize Gravel Stock Piles	09/01/2016

**Spills:**

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

<b>Fencing/:</b>				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
WELLHEAD	SATISFACTORY	Wire square Panel. Fence is Listing in a bit on South side. Maintenance (resetting a few posts) would be insurance to hold up to Cattle / Wildlife Pressure who appear to use the Interim areas for Grazing.		

<b>Equipment:</b>				
Type:	#	Satisfactory/Action Required:		
Comment				
Corrective Action				Date:

<b>Venting:</b>	
Yes/No	
Comment	

<b>Flaring:</b>			
Type		Satisfactory/Action Required	
Comment:			
Corrective Action:		Correct Action Date:	

### Predrill

Location ID: 335834

Lease Road Adeq.: \_\_\_\_\_

Pads: \_\_\_\_\_

Soil Stockpile: \_\_\_\_\_

S/AR: \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

Group	User	Comment	Date
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	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	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	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	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 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	Any pit constructed to hold fluids (reserve pit, production pit; except for flare pit) must be lined.	10/21/2010

**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 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>

**S/AR:** \_\_\_\_\_ **Comment:** \_\_\_\_\_

**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Inspector Name: Colby, Lou

**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: 287173 Type: WELL API Number: 045-12923 Status: XX Insp. Status: RI

Facility ID: 287174 Type: WELL API Number: 045-12922 Status: XX Insp. Status: RI

Facility ID: 287175 Type: WELL API Number: 045-12921 Status: XX Insp. Status: RI

Facility ID: 287176 Type: WELL API Number: 045-12920 Status: XX Insp. Status: RI

Facility ID: 287177 Type: WELL API Number: 045-12919 Status: XX Insp. Status: RI

Facility ID: 287178 Type: WELL API Number: 045-12918 Status: XX Insp. Status: RI

Facility ID: 287179 Type: WELL API Number: 045-12917 Status: XX Insp. Status: RI

Facility ID: 287180 Type: WELL API Number: 045-12916 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 \_\_\_\_\_

Inspector Name: Colby, Lou

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: **Location is Built, not Drilled, so Final Phase of Interim Rec (after Drilling & Pad Reduction) has not been completed.**

1003a. Waste and Debris removed? Pass

CM \_\_\_\_\_

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Unused or unneeded equipment onsite? \_\_\_\_\_

CM **Addressed in Good Housekeeping Section.**

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Pit, cellars, rat holes and other bores closed? \_\_\_\_\_

CM **This Location has No Drilled Wells**

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Guy line anchors marked? \_\_\_\_\_

CM **This Location has No Drilled Wells**

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 In

1003 f. Weeds Noxious weeds? P

Comment: **Good Vegetation is established in Interim areas. Noxious Weeds have been Sprayed. Russian Thistle noted in 2012 Insp appears to have been controlled.**

Overall Interim Reclamation In Process

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**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 \_\_\_\_\_

Well Release on Active Location ☐

Multi-Well Location ☐

**Storm Water:**

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

S/A/V: SATISFACTOR

Corrective Date: \_\_\_\_\_

Y

Comment: Location is Stable and has no Soil migration Concerns

CA: \_\_\_\_\_

**Pits:** ☒ NO SURFACE INDICATION OF PIT

**COGCC Comments**

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	07/17/2016

**Attached Documents**

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

Document Num	Description	URL
680100952	INSPECTION APPROVED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3905568">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3905568</a>
680100954	Inspection Photos	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3905565">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3905565</a>