

**FORM  
INSP**

Rev  
X/15

**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:

07/11/2017

Submitted Date:

07/14/2017

Document Number:

682402392

**FIELD INSPECTION FORM**

Loc ID 445191 Inspector Name: Binschus, Chris On-Site Inspection  2A Doc Num: \_\_\_\_\_

**Status Summary:**

- THIS IS A FOLLOW UP INSPECTION
- FOLLOW UP INSPECTION REQUIRED
- NO FOLLOW UP INSPECTION REQUIRED

**Operator Information:**

OGCC Operator Number: 100322  
Name of Operator: NOBLE ENERGY INC  
Address: 1625 BROADWAY STE 2200  
City: DENVER State: CO Zip: 80202

**Findings:**

- 8 Number of Comments
- 4 Number of Corrective Actions
- Corrective Action Response Requested

**Contact Information:**

Contact Name	Phone	Email	Comment
		NBL_DJBU_Inspections@NB LENERGY.COM	

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
445192	WELL	DG	02/03/2017		123-42938	Kramer Federal LC22-725	RI
445193	WELL	DG	01/28/2017		123-42939	Kramer Federal LC22-720	RI

**General Comment:**

This is a follow up stormwater and reclamation inspection to FIR Document #682401548. It should be noted this location was associated with a Warning Letter (Document #401193990) that was sent to the Operator on January 25, 2017 because the Operator failed to install BMPs prior to, or at the beginning of, construction. See the Stormwater section and COGCC Comments section for additional information.

**Location**

Overall Good:

Emergency Contact Number:

Comment:

Corrective Action:

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

**Good Housekeeping:**

Type	WEEDS		
Comment:	Weedy, annual Russian thistle ( <i>Salsola tragus</i> ) and Kochia ( <i>Kochia scoparia</i> ) were observed throughout most disturbance areas, including topsoil stockpiles. Operator needs to control and manage both Russian thistle and Kochia using the best available practices, as this is weed waste and will spread onto adjacent lands. At maturity, Russian thistle often breaks off at the soil line and tumble long distances with the wind, widely dispersing seed for several kilometers (Stallings et al. 1995). Seed remains viable 2-3 years (Larimer County 5th Edition Weed Management Reference Guide).		
Corrective Action:	Comply with Rule 603.f. to control and manage weedy, annual vegetation to prevent weed waste and prevent spread of dispersing seeds onto adjacent lands.		Date: <u>07/28/2017</u>

Overall Good:

**Spills:**

Type	Area	Volume		

In Containment: No

Comment:

Multiple Spills and Releases?

**Venting:**

Yes/No			
Comment:			
Corrective Action:			Date:

**Flaring:**

Type		
Comment:		
Corrective Action:		Date:

**Inspected Facilities**

Facility ID: 445192 Type: WELL API Number: 123-42938 Status: DG Insp. Status: RI

Facility ID: 445193 Type: WELL API Number: 123-42939 Status: DG Insp. Status: RI

**Reclamation - Storm Water - Pit**

**Interim Reclamation:**

Date Interim Reclamation Started: \_\_\_\_\_ Date Interim Reclamation Completed: \_\_\_\_\_

Land Use: RANGELAND

Comment: \_\_\_\_\_

**1002 SITE PREPARATION AND STABILIZATION**

1002a. FENCING \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

1002b. SOIL REMOVAL AND SEGREGATION \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

1002c. PROTECTION OF SOILS \_\_\_\_\_ Fail \_\_\_\_\_

Comment **The topsoil stockpile has significant weed cover including Russian thistle and Kochia with no perennial vegetation that would compete with the weedy vegetation and generally work to decrease weed growth.**

Corrective Action **Control, manage, and prevent weedy, annual vegetation on all topsoil stockpiles by 7/28/2017. Seeding is a best management practice to prevent weed establishment and accomplishes interim reclamation requirements. Seed the topsoil stockpiles during the next favorable seeding season.**

Date **07/28/2017**

1002E. SURFACE DISTURBANCE MINIMIZATION \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

1003a. Waste and Debris removed? \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

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

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

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

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

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

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

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 Fail

1003e. INTERIM VEGETATION TRANSECT  
 TRANSECT RESULTS OF DISTURBED AREA% \_\_\_\_\_  
 TRANSECT RESULTS OF REFERENCE AREA% \_\_\_\_\_  
 TOTAL % OF DESIRABLE VEGETATION COVER \_\_\_\_\_  
 VEGETATIVE COVER \_\_\_\_\_

1003 f. Weeds Noxious weeds? \_\_\_\_\_

Comment Vegetation in portions of the interim reclamation area is predominantly undesirable weedy plant species, Russian thistle and Kochia, and is likely hindering the establishment of desirable vegetation. These areas will need to be reseeded to establish a uniform vegetation cover of at least eighty (80) percent of reference area levels.

Corrective Action Perform reclamation in portions of the interim reclamation area in accordance to Rule 1003. Establish vegetation with total perennial, non-invasive uniform plant cover of at least eighty (80) percent of reference area levels. Use a seed mixture requested by the surface owner, or a mixture prescribed by the local county NRCS. Ensure erosion controls are implemented to stabilize the seeded soil, and continue to monitor and manage this site until the location meets Rule 1003 standards.

Date 10/16/2017

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 \_\_\_\_\_

1004.d. FINAL VEGETATION TRANSECT  
 TRANSECT RESULTS OF DISTURBED AREA% \_\_\_\_\_  
 TRANSECT RESULTS OF REFERENCE AREA% \_\_\_\_\_  
 TOTAL % OF DESIRABLE VEGETATION COVER \_\_\_\_\_

VEGETATIVE COVER \_\_\_\_\_

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
Berms	Fail					18" berm on pads not properly compacted
Sediment Traps	Fail					
Tracking Pad	Fail					Only a cattle guard
Hydro Mulch	In Process					

Comment: Noble Energy (Operator) does not appear to have implemented and maintained Best Management Practices (BMPs) to control stormwater runoff in a manner that minimizes erosion, transport of sediment offsite, and site degradation per Rule 1002.f.(2). Operator does not appear to have implemented BMPs in accordance with good engineering practices per Rule 1002.f.(2). Sediment discharge was observed along the southern perimeter of the location. See attached inspection photos for more details.

Corrective Action: Install or repair required BMPs per Rule 1002.f. in accordance with good engineering practices. See COGCC Comments for addition details.

Date: 08/11/2017

Pits:  NO SURFACE INDICATION OF PIT

**COGCC Comments**

Comment	User	Date
Per this inspection, stormwater controls were inadequate and the Operator has not installed sediment traps or other BMPs in accordance to their own BMP Manual. The Operator has failed to implement their suggested BMP specifications. For example, the two sediment traps installed for this location (totaling 6.4 acres of disturbance) have a sediment trap volume capacity for both dry and wet storage that equals approximately 144 ft <sup>3</sup> . Based off Noble's own BMP Manual, the required sediment trap volume for one acre is 3,600 ft <sup>3</sup> . Therefore, based off Nobles BMP Manual, the sediment trap volume for the entire location would require approximately 23,040 ft <sup>3</sup> of sediment trap volume.	binschusc	07/13/2017

**Attached Documents**

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

Document Num	Description	URL
401342093	INSPECTION SUBMITTED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4197832">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4197832</a>
682402397	Inspection Photos	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4197828">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4197828</a>