

**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:

07/13/2017

Document Number:

682402390**FIELD INSPECTION FORM**

Loc ID 433936	Inspector Name: Binschus, Chris	On-Site Inspection <input type="checkbox"/>	Status Summary: <input checked="" type="checkbox"/> THIS IS A FOLLOW UP INSPECTION <input checked="" type="checkbox"/> FOLLOW UP INSPECTION REQUIRED <input type="checkbox"/> NO FOLLOW UP INSPECTION REQUIRED Findings: 10 Number of Comments 4 Number of Corrective Actions <input checked="" type="checkbox"/> Corrective Action Response Requested
2A Doc Num: _____			

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

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
445195	WELL	DG	01/03/2017		123-42940	Earp Federal LC23-745	RI
445196	WELL	DG	12/21/2016		123-42941	Earp Federal LC23-735	RI
445197	WELL	DG	12/28/2016		123-42942	Earp Federal LC23-740	RI
445198	WELL	DG	12/11/2016		123-42943	Ringo Federal LC23-720	RI
445199	WELL	DG	12/24/2016		123-42944	Johnny Federal LC11-715	RI
445201	WELL	DG	12/29/2016		123-42946	Johnny Federal LC11-725	RI
445202	WELL	DG	12/18/2016		123-42947	Ringo Federal LC23-725	RI

General Comment:

This is a follow up stormwater and reclamation inspection to FIR Document #682401987. Also, this is in response to FIRR Document #401277177, stating "Noble Energy completed repairs on BMPs installed as per Noble's BMP Manual". It should be noted this location was associated with a NOAV (Document #401294258), dated May 30, 2017. See the Stormwater section and COGCC Comments section for additional information. If corrective actions from the previous inspection report remain unresolved, corrective action dates will remain unchanged.

LocationOverall 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: <u>445195</u>	Type: <u>WELL</u>	API Number: <u>123-42940</u>	Status: <u>DG</u>	Insp. Status: <u>RI</u>
Facility ID: <u>445196</u>	Type: <u>WELL</u>	API Number: <u>123-42941</u>	Status: <u>DG</u>	Insp. Status: <u>RI</u>
Facility ID: <u>445197</u>	Type: <u>WELL</u>	API Number: <u>123-42942</u>	Status: <u>DG</u>	Insp. Status: <u>RI</u>
Facility ID: <u>445198</u>	Type: <u>WELL</u>	API Number: <u>123-42943</u>	Status: <u>DG</u>	Insp. Status: <u>RI</u>
Facility ID: <u>445199</u>	Type: <u>WELL</u>	API Number: <u>123-42944</u>	Status: <u>DG</u>	Insp. Status: <u>RI</u>
Facility ID: <u>445201</u>	Type: <u>WELL</u>	API Number: <u>123-42946</u>	Status: <u>DG</u>	Insp. Status: <u>RI</u>
Facility ID: <u>445202</u>	Type: <u>WELL</u>	API Number: <u>123-42947</u>	Status: <u>DG</u>	Insp. Status: <u>RI</u>

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 _____

All topsoil stockpiles have 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 REVEGETATIONCropland

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
Tracking Pad	Fail					Only cattle guards and in need of maintenance
Waddles	Fail					Filtrexx wattle failed along access road points
Sediment Traps	Fail					
Berms	Fail					18" berm on pads not properly compacted
Hydro Mulch	In Process					
Slope Roughening	Fail					NE corner failed

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 both the east and west well pads. See attached inspection photos for more details. Previous inspection noted BMPs have not been properly installed to control stormwater runoff from access road points and other portions of the location. During the current inspection (7/11/2017), these issues were still observed.

Corrective Action: Install or repair required BMPs per Rule 1002.f. in accordance with good engineering practices. Corrective actions from the previous inspections were not resolved therefore the corrective action dates on this inspection remain the same from the previous inspections. See COGCC Comments for addition details.

Date: 01/20/2017

Pits: ☐ NO SURFACE INDICATION OF PIT**COGCC Comments**

Comment	User	Date
Noble sent in FIRR Document # 401277177 stating that "Noble Energy completed repairs on BMPs installed as per Noble's BMP Manual". 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 six sediment traps installed for this location (totaling 31.1 acres of disturbance) have a sediment trap volume capacity for both dry and wet storage that equals approximately 220 ft ³ . Based off Noble's own BMP Manual, the required sediment trap volume for one acre is 3,600 ft ³ . Therefore, based off Nobles BMP Manual, the sediment trap volume for the entire location would require approximately 111, 960 ft ³ of sediment trap volume.	binschusc	07/12/2017

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

Document Num	Description	URL
682402394	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4197826