

**FORM
INSP**Rev
X/15

State of Colorado Oil and Gas Conservation Commission

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Phone: (303) 894-2100 Fax: (303) 894-2109



Inspection Date:

12/13/2016

Submitted Date:

12/23/2016

Document Number:

682401640**FIELD INSPECTION FORM**

Loc ID 445234 Inspector Name: Binschus, Chris On-Site Inspection ☐ 2A Doc Num: _____

Operator Information:OGCC Operator Number: 100322Name of Operator: NOBLE ENERGY INCAddress: 1625 BROADWAY STE 2200City: DENVER State: CO Zip: 80202**Status Summary:**☐ THIS IS A FOLLOW UP INSPECTION☒ FOLLOW UP INSPECTION REQUIRED☐ NO FOLLOW UP INSPECTION REQUIRED**Findings:**4 Number of Comments1 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 |
|-------------|------|--------|-------------|------------|-----------|--------------------------|-------------|
| 445227 | WELL | DG | 11/25/2016 | | 123-42958 | Beretta Federal LC24-765 | RI |
| 445229 | WELL | DG | 11/28/2016 | | 123-42960 | Beretta Federal LC24-760 | RI |
| 445233 | WELL | DG | 12/03/2016 | | 123-42963 | Beretta Federal LC24-755 | RI |

General Comment:

This is a stormwater inspection. This inspection is delayed due to coordination efforts with COGCC staff and the Operator to communicate observations made on 12/13/16 with this inspection as well as other adjacent locations in the area. COGCC staff- Margaret Ash, Denise Arthur, and Chris Binschus- and a Noble representative- Scott Park, had a conference call on 12/22/16 to discuss topsoil and stormwater BMP concerns.

Inspected FacilitiesFacility ID: 445227 Type: WELL API Number: 123-42958 Status: DG Insp. Status: RIFacility ID: 445229 Type: WELL API Number: 123-42960 Status: DG Insp. Status: RIFacility ID: 445233 Type: WELL API Number: 123-42963 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 _____

Comment

May need to stabilize topsoil stockpile with additional tackifier in areas where tackifier was not applied. Not certain whether topsoil was seeded in addition to applying tackifier, but tackifier alone is not a long-term stabilization BMP to protect topsoil from erosion and weed establishment. May need to take further action to protect topsoil per Rule 1002.c.

Corrective Action _____

Date _____

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 _____

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 _____

Corrective Action _____ Date _____

Overall Interim Reclamation

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 |
|--|-----------------|-------------------------|-----------------------|---------------|--------------------------|-------------------------|
| | | | | | | |
| <p>Comment: Final BMPs installed for the location appear to be insufficient. The size and holding capacity of the sediment traps appear too small, the sediment traps are armed with rock socks which may be insufficient to contain sediment discharges should the sediment trap reach capacity, tackifier was applied to the some but not all unconsolidated berms associated with the perimeter trench, and berm not apparent along some portions of the perimeter.</p> <p>Corrective Action: Perform one of the two corrective actions: 1) Provide construction calculations from the site specific stormwater plan demonstrating that the installed BMPs described above are sufficient to prevent sediment laden storm runoff from leaving location or, 2) Install sufficient BMPs in accordance with good engineering practices per Rule 1002.f.</p> | | | | | | <p>Date: 01/20/2017</p> |
| <p>Pits: <input type="checkbox"/> NO SURFACE INDICATION OF PIT</p> | | | | | | |

COGCC Comments

| Comment | User | Date |
|---|-----------|------------|
| Refer to attached inspection photos in Document #682401641. | binschusc | 12/23/2016 |

Attached Documents

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

| Document Num | Description | URL |
|--------------|----------------------|---|
| 682401640 | INSPECTION SUBMITTED | http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4036757 |
| 682401641 | Location Photos | http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4036700 |