

**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:

09/28/2017

Submitted Date:

10/02/2017

Document Number:

682502628**FIELD INSPECTION FORM**
 Loc ID 323052 Inspector Name: Trujillo, Aaron 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: 100322Name of Operator: NOBLE ENERGY INCAddress: 1625 BROADWAY STE 2200City: DENVER State: CO Zip: 80202**Findings:**6 Number of Comments3 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

| Contact Name   | Phone | Email                                  | Comment                         |
|----------------|-------|--|---------------------------------|
| ,              |       | NBL_DJBU_Inspections@NB<br>LENERGY.COM | <a href="#">All Inspections</a> |
| Arthur, Denise |       | denise.arthur@state.co.us              |                                 |

**Inspected Facilities:**

| Facility ID | Type | Status | Status Date | Well Class | API Num   | Facility Name  | Insp Status |
|-------------|------|--------|-------------|------------|-----------|----------------|-------------|
| 244700      | WELL | PA     | 10/27/2014  | GW         | 123-12495 | HIGHLAND 11-20 | RI          |

**General Comment:**

This is a follow-up, final reclamation and stormwater inspection to doc. #682502370 dated 6/30/2017, and #675103879 dated 8/17/2017.  
Any corrective actions from previous inspections that have not been addressed are still applicable.

**Location****Lease Road:**

|                    |   |       |            |
|--------------------|---|-------|------------|
| Type               | Access  |       |            |
| comment:           | Inspection Doc. #682502370 identified ruts forming along access road and advised operator to perform maintenance. Degradation to the access road has progressed due to stormwater erosion and travel durring poor conditions. Maintenance required. |       |            |
| Corrective Action: | Perform maintenance along access road. Implement BMPs as needed to prevent future degradation.  | Date: | 11/02/2017 |

Overall Good: ☐**Emergency Contact Number:**

|                    |  |             |
|--------------------|--|-------------|
| Comment:           |  |             |
| Corrective Action: |  | Date: _____ |

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: _____ |



**Reclamation - Storm Water - Pit****Interim Reclamation:**

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

Land Use: \_\_\_\_\_

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 \_\_\_\_\_

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 REVEGETATION**Cropland

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: \_\_\_\_\_

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 **Fail**

Location and associated production facilities reclaimed \_\_\_\_\_ Locations, facilities, roads, recontoured \_\_\_\_\_

Compaction alleviation \_\_\_\_\_ Dust and erosion control **Fail**

Non cropland: Revegetated 80% \_\_\_\_\_ Cropland: perennial forage **Fail**

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:

|   |   |   |
|---|---|---|
| <p>Inspection #682502370 dated 06/30/2017 and #675103879 dated 08/17/2017 documented that reclamation in accordance to COGCC 1000 series rules and requirements had not been performed (access road along well remains graveled and un-reclaimed, vegetation at well is predominantly undesirable weedy plant species and is not reflective of the reference area [irrigated alfalfa crop]). Unable to find evidence that reclamation has been performed per the corrective actions. Well was PA'd 10/27/2014, reclamation activities should have been completed by 01/27/2015. This is the third inspection requiring reclamation to be performed. Original corrective action and corrective action date remains applicable.</p> |   |   |
| Corrective Action:  | <p>Perform reclamation in accordance to COGCC 1000 series reclamation rules at well and access road. Ensure temporary stabilization controls are in place until more permanent vegetative stabilization has established. Reclamation activities shall be completed no later than 7/31/2017.</p> | Date <b>07/31/2017</b>  |
| Overall Final Reclamation   | <b>Fail</b>   | Well Release on Active Location <input type="checkbox"/> Multi-Well Location <input type="checkbox"/> |

**Storm Water:**

| Loc Erosion BMPs   | BMP Maintenance | Lease Road Erosion BMPs | Lease BMP Maintenance | Chemical BMPs | Chemical BMP Maintenance | Comment          |
|--|-----------------|-------------------------|-----------------------|---------------|--------------------------|------------------|
|  |                 |                         |                       |               |                          |                  |
| <p>Comment: Inspection #682502370 dated 06/30/2017 and #675103879 dated 08/17/2017 documented erosion concerns and required operator to repair erosion and install or repair required BMPs. Erosion at battery and access road remains, and has continue to further degrade the location. See attached photos. This is the third inspection requiring stormwater management to be performed. Original corrective action and corrective action date remains applicable.</p> |                 |                         |                       |               |                          |                  |
| Corrective Action:   |                 |                         |                       |               |                          | Date: 07/31/2017 |
| <p>Repair erosion an install or repair required BMPs per Rule 1002.f</p>   |                 |                         |                       |               |                          |                  |
| <p><b>Pits:</b> <input type="checkbox"/> NO SURFACE INDICATION OF PIT</p>  |                 |                         |                       |               |                          |                  |

**COGCC Comments**

| Comment  | User       | Date       |
|--|------------|------------|
| Inspection doc. #682502370 required operator to "collaborate with the surface owner and revegetate access road and well location; Establish vegetation with total perennial, non-invasive uniform plant cover of at least eighty (80) percent of pre-disturbance or reference area levels. Use a seed mixture requested by the surface owner. Ensure erosion controls are implemented to stabilize the seeded soil, and continue to monitor and manage this site until Final Reclamation has passed. Revegetation activities shall be complete no later than 11/15/2017". This corrective action remains applicable. | trujilloam | 10/02/2017 |

**Attached Documents**

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

| Document Num | Description          | URL   |
|--------------|----------------------|---|
| 401417917    | INSPECTION SUBMITTED | <a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4264215">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4264215</a> |
| 682502629    | Inspection Photos    | <a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4264210">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4264210</a> |