

**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:
12/14/2016
Submitted Date:
12/16/2016
Document Number:
674603043

FIELD INSPECTION FORM

Loc ID 327851 Inspector Name: Maclaren, Joe 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:
3 Number of Comments
0 Number of Corrective Actions
 Corrective Action Response Requested

Contact Information:

| Contact Name | Phone | Email | Comment |
|--------------------|-------|--|---------|
| Chesson, Bob | | robert.chesson@state.co.us | |
| Hazard, Ellice | | ellice.hazard@state.co.us | |
| , | | NBL_DJBU_Inspections@NB LENERGY.COM | |
| Schlagenhauf, Mark | | mark.schlagenhauf@state.co. us | |

Inspected Facilities:

| Facility ID | Type | Status | Status Date | Well Class | API Num | Facility Name | Insp Status |
|-------------|------|--------|-------------|------------|-----------|---------------|-------------|
| 247439 | WELL | PR | 03/28/2007 | GW | 123-15236 | SHABLE 17-10G | EG |

General Comment:
COGCC Inspector met with Noble Energy Construction Foreman (Raul Sanchez) on location and conducted an engineering integrity inspection with a primary focus on the flowline repair taking place at this well site. Spill cleanup (historical release)/ site remediation work was in progress at the time of this field inspection. The details of observations made during this field inspection are available in the flowline section of this report. This is a follow up (EG) inspection to an initial field inspection doc #674602377 performed on 03/02/2016. Photo's uploaded can be accessed via link(s) at end of report.

| Inspected Facilities | | | |
|---|---|-------------------------------|---|
| Facility ID: <u>247439</u> | Type: <u>WELL</u> | API Number: <u>123-15236</u> | Status: <u>PR</u> Insp. Status: <u>EG</u> |
| Flowline | | | |
| #1 | Type: Well Site | 1 of Lines | |
| Flowline Description | | | |
| Flowline Type: <u>Well Site</u> | Size: <u>2"</u> | Material: <u>Carbon Steel</u> | |
| Variance: | Age: <u>20+ Yrs</u> | Contents: <u>Multiphase</u> | |
| Integrity Summary | | | |
| Failures: | Spills: <u>Yes</u> | Repairs Made: <u>Yes</u> | |
| Coatings: | H2S: | Cathodic Protection: | |
| Pressure Testing | | | |
| Witnessed: | Test Result: | Charted: | |
| COGCC Rules (check all that apply) | | | |
| <input type="checkbox"/> 1101. Installation and Reclamation <input type="checkbox"/> 1102. Operations, Maintenance, and Repair <input type="checkbox"/> 1103. Abandonment | | | |
| Comment: | As outlined on supplemental form 19 (doc #400997111 received at COGCC on 02/29/2016): A corrosive hole formed in the flowline. The damaged portion of the flowline was uncovered and an eight foot piece was cut and replaced with 2 inch schedule 80 pipe. Based on communications with the Noble Energy Construction Foreman, a decision has been made to replace the entire well site flowline. The flowline segment where the initial repair was made has been cut out to allow for clean up/ excavation activities (taking place approx 430' SE of wellhead). Once remediation has been completed the new flowline (between wellhead and separator) will be installed. Note: Update records of root cause of failure evaluation, preventative measures taken to prevent reoccurrence and description of flowline repairs/ replacement(s) completed (also update on supplemental form 19) and perform flowline pressure testing (to confirm integrity of new flowline installed/ retain chart & data) prior to returning flowline to service. | | |
| Corrective Action: | | | Date: |

| COGCC Comments | | |
|---|----------|------------|
| Comment | User | Date |
| The following information was outlined on the previous field inspection doc #674602377 performed on 03/02/2016: On March 2nd, 2016 COGCC Integrity Inspector performed an engineering (flowline only) field inspection at this location. The field inspection was conducted in response to the initial form 19 spill report Doc # 400994546 filed with the COGCC on 2/23/16 referencing a leak that occurred on the flowline running between wellhead and separator. No personnel was on site from Noble Energy (or contractors) during this field inspection. Forward (all available) annual pressure records (data/ chart(s)/ per COGCC rule 1101.e.1) to COGCC Integrity Inspector; Provide a written description outlining the root cause of failure and the flowline repairs completed; Conduct flowline pressure testing (post repair/ prior to returning well to production) and email data/ chart to COGCC Integrity Inspector at joe.maclaren@state.co.us (Cell# 970-382-1680) | maclarej | 12/16/2016 |

Attached Documents

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

| Document Num | Description | URL |
|--------------|--|---|
| 674603043 | INSPECTION APPROVED | http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4036158 |
| 674603049 | View SE from wellhead/ toward remediation area | http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4029500 |

| | | |
|-----------|--|---|
| 674603050 | Excavation/ soils remediation and cut flowline | http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4029501 |
| 674603051 | Bull plug & needle valve on upstream side flowline | http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4029502 |