

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
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Document Number:  
402170222

Date Received:  
09/11/2019

**FIR RESOLUTION FORM**

Overall Status: CAC

CA Summary:

1 of 1 CAs from the FIR responded to on this Form

1 CA Completed  
0 Factual Review Request

**OPERATOR INFORMATION**

OGCC Operator Number: 100322

Name of Operator: NOBLE ENERGY INC

Address: 1001 NOBLE ENERGY WAY

City: HOUSTON State: TX Zip: 77070

Contact Name and Telephone:

Name: \_\_\_\_\_

Phone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_

Email: \_\_\_\_\_

Additional Operator Contact:

Contact Name

Phone

Email

Howard

Aamold

howard.aamold@nblenergy.com

**COGCC INSPECTION SUMMARY:**

FIR Document Number: 690101229

Inspection Date: 05/15/2019

FIR Submit Date: 05/21/2019

FIR Status: \_\_\_\_\_

**Inspected Operator Information:**

Company Name: NOBLE ENERGY INC

Company Number: 100322

Address: 1001 NOBLE ENERGY WAY

City: HOUSTON State: TX Zip: 77070

**LOCATION - Location ID: 449370**

Location Name: A21 Number: Tank County: \_\_\_\_\_

Qtrqtr: SWS Sec: 21 Twp: 6N Range: 64W Meridian: 6  
W

Latitude: 40.467800 Longitude: -104.560600

**FACILITY - API Number: 05-123-**

-00

Facility ID: 464356

Facility Name: Haper- Kona Number: A21-13

Qtrqtr: SWS Sec: 21 Twp: 6N Range: 64W Meridian: 6  
W

Latitude: 40.467800 Longitude: -104.560600

**CORRECTIVE ACTIONS:**

**1** CA# 125365

Corrective Action:

Date: 07/21/2019

Email information requested below to COGCC ENG Integrity Unit and update COGCC Supplemental Form 19 to include the following:

- 1) Root cause of corrosion failure resulting in the release (type of corrosion/ results of failure analysis)
- 2) Measures taken to prevent the problem from reoccurring (at this and other/ similar Gen 4 facilities)
- 3) Description of flowline (process pipe/ dump line assembly) repairs/ replacements completed (changes in design/ materials)
- 4) Copy of integrity management procedures completed (post repair integrity confirmation/ pressure testing data or AVO inspection form)

Response: CA COMPLETED

Date of Completion: 09/11/2019

Operator Comment: Root cause of corrosion failure resulting in release was due to internal corrosion from turbulent fluid flow near "T" fitting. The pipe assembly on the separator that serviced the Kona A19-636 well has been temporarily replaced with a part from an adjacent unit and tested @600psi for 30min. UT tests were conducted and reviewed by Noble Production Dept on all above ground oil/produced water flow lines on location prior bringing facility back on line. At this time production has completed design and material changes to the separators associated with the Harper wells, with the separators associated with the Kona wells to be tentatively scheduled to be completed by October 15 2019.

Description of Change for design and materials are as follows- "Install a new 2" sch 160 water-to-oil dump line crossover inside the separator cabinet on all separators at Harper Kona Econode to prevent future corrosion failures. Blind flange the end of the water leg just after the crossover tie-in, and remove the crossover spool piece on the outside of the separator cabinet that failed and replace with 2" sch 160 piping in its place. Lastly, add a coupon port with a ball valve on the crossover for sample collection to adjust chemical treatment plan.

COGCC Decision:

COGCC Representative:

#### OPERATOR COMMENT AND SUBMITTAL

Comment:

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Howard Aamold

Signed:

Title: Environmental Coordinator

Date: 9/11/2019 8:42:09 AM

### ATTACHMENT LIST

View Attachments in Imaged Documents on COGCC website (<http://ogccweblink.state.co.us/>) - Search by Document Number.

<u>Document Number</u>	<u>Description</u>
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Total Attach: 0 Files