

Document Number:  
402860264

Date Received:  
11/03/2021

**WELL ABANDONMENT REPORT**

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set. A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

OGCC Operator Number: 100322 Contact Name: Grace Howley  
 Name of Operator: NOBLE ENERGY INC Phone: (281) 382-8234  
 Address: 1001 NOBLE ENERGY WAY Fax: \_\_\_\_\_  
 City: HOUSTON State: TX Zip: 77070 Email: grace.howley@chevron.com

**For "Intent" 24 hour notice required,** Name: Petrie, Erica Tel: (303) 726-3822  
 COGCC contact: Email: erica.petrie@state.co.us

Type of Well Abandonment Report:  Notice of Intent to Abandon  Subsequent Report of Abandonment

API Number 05-123-13427-00  
 Well Name: LILLI UNIT Well Number: 4-9  
 Location: QtrQtr: NWNW Section: 9 Township: 8N Range: 58W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: C-29692A-ACQ  
 Field Name: LILLI Field Number: 49970

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.682390 Longitude: -103.874570  
 GPS Data: GPS Quality Value: 6.0 Type of GPS Quality Value: PDOP Date of Measurement: 03/16/2006

Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_

Casing to be pulled:  Yes  No Estimated Depth: 700  
 Fish in Hole:  Yes  No If yes, explain details below  
 Wellbore has Uncemented Casing leaks:  Yes  No If yes, explain details below  
 Details: \_\_\_\_\_

**Current and Previously Abandoned Zones**

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
D SAND	6295	6304			
Total: 1 zone(s)					

**Casing History**

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	12+1/4	8+5/8	J-55	24	0	205	130	205	0	VISU
1ST	7+7/8	4+1/2	J-55	11.6	0	6460	190	6460	5592	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6245 with 2 sacks cmt on top. CIBP #2: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
CIBP #3: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIBP #4: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
CIBP #5: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set 5 sks cmt from 5512 ft. to 5462 ft. Plug Type: CASING Plug Tagged:   
Set 35 sks cmt from 1900 ft. to 1500 ft. Plug Type: CASING Plug Tagged:   
Set 35 sks cmt from 105 ft. to 0 ft. Plug Type: CASING Plug Tagged:   
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged:   
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged:

Perforate and squeeze at 5562 ft. with 35 sacks. Leave at least 100 ft. in casing 5512 CICR Depth  
Perforate and squeeze at 2000 ft. with 155 sacks. Leave at least 100 ft. in casing 1900 CICR Depth  
Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 225 sacks half in. half out surface casing from 700 ft. to 105 ft. Plug Tagged:

Set \_\_\_\_\_ sacks at surface

Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker:  Yes  No

Set \_\_\_\_\_ sacks in rat hole Set \_\_\_\_\_ sacks in mouse hole

### Additional Plugging Information for Subsequent Report Only

Casing Recovered: \_\_\_\_\_ ft. of \_\_\_\_\_ inch casing Number of Days from Setting Surface Plug to Capping or Sealing the Well: \_\_\_\_\_  
Surface Plug Setting Date: \_\_\_\_\_ Cut and Cap Date: \_\_\_\_\_

\*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_

Type of Cement and Additives Used: \_\_\_\_\_

Flowline/Pipeline has been abandoned per Rule 1105  Yes  No

Technical Detail/Comments:

This well is part of the AOC (Order 1V-668) Alt MIT program.  
3rd party wildlife surveys will be conducted on this well prior to rigging up for P&A activities.  
Notification will be given to any adjacent building unit occupants within a 1000 feet of the wellhead of planned P&A start date.

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

Signed: \_\_\_\_\_ Print Name: Stephanie Dionne  
Title: Operations Tech Date: 11/3/2021 Email: stephanie.dionne@chevron.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: Wolfe, Stephen Date: 11/30/2021

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Expiration Date: 5/29/2022

### Condition of Approval

COA Type	Description
	<p>This oil and gas location is located within a CPW-mapped 500 foot buffer of the Ordinary High Water Mark of an unnamed drainage of the South Pawnee Creek for protection of Aquatic Native Species Conservation Water High Priority Habitat. At a minimum, Operator will review the stormwater program and implement stormwater BMPs and erosion control measures as needed to prevent fine-grained sediment and impacted stormwater runoff from entering surface water.</p>
	<p>Due to close proximity to a set of Building Units to the north: prior to commencing operations, at a minimum, the operator will provide an informational sheet to the owners/occupants of BUs that are nearby and adjacent to the parcel on which the well is located. The sheet will include the operator's contact information and the nature, timing, and expected duration of the PA operations.</p>
	<p>Operator will implement measures to capture, combust, or control emissions to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public health, welfare and the environment. Due to proximity of building units (BUs) all blowdown gases will be controlled.</p>
	<p><b>Bradenhead Testing</b>  Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations.</p> <ol style="list-style-type: none"> <li>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</li> <li>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</li> </ol> <p>The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples.</p> <p>If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.</p>
	<p><b>Plugging</b></p> <ol style="list-style-type: none"> <li>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</li> <li>2) Contact COGCC Area Inspector prior to commencing plugging operations.</li> <li>3) Plugs and squeezes will be placed as stated in the Plugging Procedure section of the approved NOIA unless revised by COA or prior approval from COGCC is obtained.</li> <li>4) The wellbore must be static prior to placing cement plugs which are to be a minimum of 100' in length for all but surface plugs. Mechanical isolation requires a 25' cement plug, minimum. For plugs not specified to be tagged, a tag is required if circulation is not maintained while pumping plug and displacing to depth. Tag at tops specified or shallower. Notify COGCC Area Engineer before adding cement to previous plug.</li> <li>5) Place a 50' plug (minimum) at the surface, both inside the inner most casing and in all annular spaces. Surface plugs shall be circulated to surface. Confirm cement to surface in all strings during cut and cap.</li> <li>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</li> <li>7) Properly abandon flowlines as per Rule 1105. Pursuant to Rule 911.a. Closure of Oil and Gas Facilities, Operator will submit Site Investigation and Remediation Workplans via Form 27 for COGCC prior approval before cutting and capping the plugged well, conducting flowline abandonment, and removing production equipment. Pursuant to Rule 1105.f. Abandonment Verification, within 90 days of an operator completing abandonment requirements for a flowline or crude oil transfer line, an operator must submit a Field Operations Notice, Form 42-Abandonment of Flowlines for on-location flowlines, and a Flowline Report, Form 44, for off-location flowlines or crude oil transfer lines.</li> <li>8) After placing the shallowest hydrocarbon isolating plug (6245'), operator must wait a sufficient time on all subsequent plugs to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC Area Engineer before continuing operations.</li> <li>9) Move squeeze from 2500' to 2000', CICR at 1900' and volume remains 155 sx.</li> <li>10) Move casing cut down to 700' and pump 225 sx plug, 700-105'. WOC and tag.</li> </ol>

Submit Operator's Monthly Production Reports (Form 7) required for compliance with Rule 413 within 30 days: DSND 3/2010, 7/2010

6 COAs

### Attachment List

<u>Att Doc Num</u>	<u>Name</u>
2114802	WELLBORE DIAGRAM
402860264	FORM 6 INTENT SUBMITTED
402860283	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Attached corrected WBD provided by operator; removed old WBD.	11/19/2021
Engineer	Groundwater: L-FH, Upper Pierre Deepest Water Well: 695'(1mi)+4694-4865+50=574' Log: 123-13427 4/25/87 UP 670-1340'	11/11/2021
Permit	Verified as-drilled GPS. Re-perf in 2002 does not appear to have been reported. Requested 5A from operator. Missing production: 3/2010 and 7/2010 Permitting review complete.	11/04/2021

Total: 3 comment(s)