

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.

Document Number:
 402667141
 Date Received:
 05/28/2021

OGCC Operator Number: 100322 Contact Name: Renee Call
 Name of Operator: NOBLE ENERGY INC Phone: (303) 909-6814
 Address: 1001 NOBLE ENERGY WAY Fax: _____
 City: HOUSTON State: TX Zip: 77070 Email: renee.call@chevron.com

For "Intent" 24 hour notice required, Name: Schure, Kym Tel: (970) 520-3832
COGCC contact: Email: kym.schure@state.co.us

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

API Number 05-075-60014-00
 Well Name: LOGAN J SAND UNIT (OWP) Well Number: 4-24
 Location: QtrQtr: SESE Section: 1 Township: 8N Range: 54W Meridian: 6
 County: LOGAN Federal, Indian or State Lease Number: _____
 Field Name: GRAYLIN NW Field Number: 31880

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.682788 Longitude: -103.356853
 GPS Data: GPS Quality Value: 1.7 Type of GPS Quality Value: PDOP Date of Measurement: 06/30/2016
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other Orphan well being plugged for COGCC
 Casing to be pulled: Yes No Estimated Depth: _____
 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	4935	4940	02/20/1970	SQUEEZED	
J SAND	5063	5070			

Total: 2 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	13+3/4	9+5/8	NA	25.4	0	217	150	217	0	VISU
1ST	7+7/8	5+1/2	NA	15.5	0	5155	250	5155	3493	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 5013 with 4 sacks cmt on top. CIBP #2: Depth 4868 with 4 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 _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ 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 1616 ft. with 195 sacks. Leave at least 100 ft. in casing 1516 CICR Depth
Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth
Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 385 sacks half in. half out surface casing from 1110 ft. to 0 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 is an orphan well that Chevron is plugging for the COGCC. Very limited information available on well. Everything is from COGCC records.

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: 5/28/2021 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: 6/21/2021

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 12/20/2021

Condition of Approval

COA Type

Description

	<p>Bradenhead Testing 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. 1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required. 2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <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>Plugging 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Contact COGCC Area Inspector prior to commencing plugging operations. 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. 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. 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. 6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed. 7) No current Form 17 on file with COGCC. Contact COGCC area engineer with results of pre-plugging bradenhead test for confirmation of plugging procedure prior to commencing plugging operations. 8) 6/1953 - D Sand completion, 2/1970 - D Sand squeezed, well cleaned out and J Sand completed, 7/1980 - J Sand frac. PBDT unknown. Update PBDT and notify COGCC Area Engineer. 9) After placing the shallowest hydrocarbon isolating plug (4868'), 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. 10) Procedure modified per Operator request following submission of this form. No longer plan to cut and pull casing due to mixed success in the area. Stub plug changed to 195 sx squeeze at 1616' with a CICR at 1516'. Perforate at 1110'+/- and circulate 385 sx to the surface. Tag at 167' or shallower if cement does not circulate to surface and remain there. 11) 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 AG57:AG59ent 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.</p>
3 COAs	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.

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402667141	FORM 6 INTENT SUBMITTED
402667152	WELLBORE DIAGRAM
402703848	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Groundwater: Kup-Upper Pierre to surface Deepest Water Well: 961' (9 wells - 1 mi) Logs: 075-06085 2/25/52 GR=4322 UPA base 1055'+4243-4322=976'	06/15/2021
OGLA	- Operator is plugging the Logan J Sand Unit (OWP) 4-24 as a public benefit. - Pursuant to Rule 911, Closure of Oil and Gas Facilities, requires submittal of a Form 27 Site Investigation and Remediation Workplan for COGCC approval before cutting and capping the plugged well, and prior to properly abandoning all flowlines or crude oil transfer lines per Rule 1105. - Pass OGLA task.	06/02/2021
Permit	Operator revised. Pass.	06/01/2021
Permit	-Confirmed as-drilled well location. -No other forms in process. -Confirmed productive intervals docnum: 217939, 217942.	04/26/2021

Total: 4 comment(s)