

FORM

6

Rev
11/20

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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Replug By Other Operator

Document Number:

402666579

Date Received:

04/21/2021

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: 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 05-075-06129-00

Well Name: NW GRAYLIN D SAND UNIT

Well Number: 12

Location: QtrQtr: SENW Section: 5 Township: 8N Range: 53W 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: 40.690551 Longitude: -103.328530

GPS Data: GPS Quality Value: 1.7 Type of GPS Quality Value: PDOP Date of Measurement: 07/06/2016

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other Orphan well being plugged for COGCCCasing to be pulled: ☒ Yes ☐ No Estimated Depth: 1616Fish in Hole: ☐ Yes ☒ No If yes, explain details belowWellbore 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	4879	4885			
J SAND	4986	4994	06/13/1958	BRIDGE PLUG	4950

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	12+1/4	9+5/8	NA	25.4	0	217	160	217	0	VISU
1ST	7+7/8	5+1/2	NA	15.5	0	5083	150	5083	4082	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4936 with 4 sacks cmt on top. CIBP #2: Depth 4829 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 195 sks cmt from 1616 ft. to 1116 ft. Plug Type: STUB PLUG Plug Tagged: ☐
Set 240 sks cmt from 1116 ft. to 500 ft. Plug Type: OPEN HOLE 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 _____ 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

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 195 sacks half in. half out surface casing from 500 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

Surface Plug Setting Date: _____ Cut and Cap Date: _____ Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____

*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: 4/21/2021 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: 5/25/2021

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 11/24/2021

Condition of Approval

COA Type

Description

	<p>Bradenhead Testing</p> <p>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> <p>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>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</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Contact COGCC Area Inspector prior to commencing plugging operations.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>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.</p> <p>8) J Sand AB 6/13/58 w/ CIBP at 4950'. Tag CIBP and dump 2 sx. Set CIBP at 4936' w/ 4 sx if original plug is not found.</p> <p>9) After placing the shallowest hydrocarbon isolating plug (4829'), 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.</p> <p>10) 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.</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.</p>
3 COAs	

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402666579	FORM 6 INTENT SUBMITTED
402666598	WELLBORE DIAGRAM
402666600	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: 700' (6 wells - 1 mi), 916'(34 wells - 2 mi) Logs: 075-06085 2/25/52 GR=4322 UPA base 1055'+4223-4322=956'	05/24/2021
OGLA	Operator is plugging the NW Graylin D Sand Unit (OWP) 12 as a public benefit. Pursuant to Rule 911. Closure of Oil and Gas Facilities will require a Form 27 Site Investigation and Remediation Workplan for COGCC approval before cutting and capping the plugged well. OGLA review complete.	05/18/2021
OGLA	All flowlines or crude oil transfer lines must be properly abandoned pursuant to Rule 1105, tank battery abandonment and removing production equipment pursuant to Rule 911.a. prior to final closure of the Location. Production Facility Location #450424 Tank Battery #446075 Benchmark Energy LLC: NW Graylin D Sand Unit #12 located to the west, Potential historic pits to the southwest (40.689671; -103.329137; 40.690028, -103.330858; 40.690045 -103.331216). Site assessment and remediation may be required before this location can be closed.	05/03/2021
Permit	-Confirmed as-drilled well location. -No other forms in process. -Production reporting excluded. -Confirmed productive interval docnum: 235449, 235446. Jsand not listed on scout card, might have been abandoned-records scant. -Reviewed WBDs. -Pass.	04/26/2021

Total: 4 comment(s)