

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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Document Number:

402613473

Date Received:

03/01/2021

## 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: 10324

Contact Name: Shawn Reed

Name of Operator: NEWELL ENERGY LTD

Phone: (303) 5626530

Address: PO BOX 830808

Fax: (303) 7998795

City: SAN ANTONIO State: TX Zip: 78283

Email: shawn@sreedconsulting.com

For "Intent" 24 hour notice required,

Name: Welsh, Brian

Tel: (719) 325-6919

COGCC contact:

Email: brian.welsh@state.co.us

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

API Number 05-061-06742-00

Well Name: ARWOOD

Well Number: 1

Location: QtrQtr: SWNE Section: 28 Township: 20S Range: 49W Meridian: 6

County: KIOWA

Federal, Indian or State Lease Number:

Field Name: KICKING BIRD

Field Number: 45500

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

Latitude: 38.289720

Longitude: -102.902490

GPS Data: GPS Quality Value: 2.9 Type of GPS Quality Value: PDOP Date of Measurement: 12/18/2013

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☒ Mechanical Problems☐ OtherCasing to be pulled: ☐ Yes ☒ No Estimated Depth:Fish in Hole: ☐ Yes ☒ No If yes, explain details belowWellbore has Uncemented Casing leaks: ☒ Yes ☐ No If yes, explain details below

Details: Well abruptly stopped production, suspect casing leak. Will hunt hole and Squeeze (70 sx, proposed) under a retainer during the PTA Process

## Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
MORROW	4970	4994	03/31/2021	B PLUG CEMENT TOP	4950

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	13+1/4	8+5/8	j55	24	0	504	180	504	0	VISU
1ST	7+7/8	5+1/2	j55	15.5	0	5171	230	5171	3450	CBL
S.C. 1.1						1601	225	1601	0	VISU

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4950 with 4 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 <u>12</u> sks cmt from <u>1235</u> ft. to <u>1135</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>12</u> sks cmt from <u>1040</u> ft. to <u>940</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>12</u> sks cmt from <u>850</u> ft. to <u>750</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>12</u> sks cmt from <u>554</u> ft. to <u>454</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 3000 ft. with 70 sacks. Leave at least 100 ft. in casing 2900 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 \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Tagged: ☐

Set 15 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:

Suspect a casing leak at +/- 3000' the retainer and squeeze represented would be to address where we find said casing leak.

No in/out plug or pre PTA Bradenhead test required (correct?) as the surface/production annulus was cemented to surface.

CBL is NOT on file w the State, we are looking for it and will post to the website if we find it or run one if we do not.

Doing a site visit, to assess other equipment and form 27 Items 2Mar21, will look to start PTA Process as soon as practical.

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

Signed: \_\_\_\_\_ Print Name: Shawn Reed

Title: Petroleum Consultant Date: 3/1/2021 Email: shawn@sreedconsulting.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: 3/31/2021

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

Expiration Date: 9/29/2021

COA Type	Description
	<p>Venting</p> <p>Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.</p>
	<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) 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>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) Contact COGCC Area Inspector prior to commencing plugging operations.</p> <p>8) After placing the shallowest hydrocarbon isolating plug (4950'), 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>9) 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>10) Verify existing cement coverage by CBL - submit to COGCC for verification of plugging orders prior to continuing plugging operations</p> <p>11) Submitted procedure modified in Plugging Procedure section. Updated proposed wellbore diagram attached.</p> <p>12) Casing plug at 554-454' must be tagged at 454' or shallower if cement is not circulated to surface.</p> <p>13) There is an indication that this well has a demonstration of a lack of mechanical integrity and must be repaired and tested or plugged and abandoned by 9/1/2021, 6 months from the time of the submission of this form.</p>

### **Attachment List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
402613473	WELL ABANDONMENT REPORT (INTENT)
402613574	WELLBORE DIAGRAM
402613648	WELLBORE DIAGRAM
402644722	FORM 6 INTENT SUBMITTED

Total Attach: 4 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Engineer	Aquifer: Alluvium, High Plains Aquifer not present Deepest water well: 110'(85 wells-4mi) Logs: 8/21/97 DKTA 800-990', CYNN 1020-1185'	03/24/2021
OGLA	COGCC OGLA Staff conducted its review of this Form 6 Notice of Intent (NOI) Well Abandonment Report in the context of SB 19-181 and the current rules. This Form 6 complies with applicable COGCC Rules and is adequately protective of public health, safety, welfare, the environment, and wildlife resources.	03/19/2021

Total: 2 comment(s)