

FORM
6Rev
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:

403237883

Date Received:

11/22/2022

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: 61650

Contact Name: Thomas Melland Thomas Melland

Name of Operator: MURFIN DRILLING COMPANY INC

Phone: (316) 644-1650

Address: 250 N WATER ST STE 300

Fax:

City: WICHITA State: KS Zip: 67202

Email: tmelland@murfininc.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 05-099-06248-00

Well Name: SCHNEIDER

Well Number: 1-3

Location: QtrQtr: SWSW Section: 3 Township: 22S Range: 46W Meridian: 6

County: PROWERS

Federal, Indian or State Lease Number:

Field Name: CHANNING

Field Number: 10880

Only Complete the Following Background Information for Intent to Abandon

Latitude: 38.159891 Longitude: -102.575001

GPS Data: GPS Quality Value: 2.2 Type of GPS Quality Value: PDOP Date of Measurement: 05/02/2009

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:

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
MORROW	4654	4662			

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	LS	24	0	312	225	312	0	VISU
1ST	7+7/8	4+1/2	J55	10.5	0	4818	125	4818	4192	CALC
	7+7/8	4+1/2	J55	Stage Tool	0	3646	100	3646	3100	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4604 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 25 sks cmt from 3750 ft. to 3425 ft. Plug Type: CASING Plug Tagged: ☐
Set 5 sks cmt from 1300 ft. to 1250 ft. Plug Type: CASING Plug Tagged: ☐
Set 10 sks cmt from 920 ft. to 820 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 1350 ft. with 35 sacks. Leave at least 100 ft. in casing 1300 CICR Depth
Perforate and squeeze at 970 ft. with 90 sacks. Leave at least 100 ft. in casing 920 CICR Depth
Perforate and squeeze at 480 ft. with 150 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 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:

Current Wellbore Diagram see Doc# 402849183

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

Signed: _____ Print Name: Tom Melland
Title: Production Engineer Date: 11/22/2022 Email: tmelland@murfininc.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: 12/8/2022

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 6/7/2023

COA Type

Description

	Venting 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.
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	<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 electronic Form 42 Notice of MIRU 2 business days ahead of operations and electronic Form 42 Notice of Plugging Operations 48 hours prior to mobilizing for plugging operations.</p> <p>2) 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>3) 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>4) 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>5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>6) After placing the shallowest hydrocarbon isolating plug (4604'), 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>7) Plugging procedure has been modified as follows,</p> <p>Plug #1 - 4604', CIBP with 2 sx of cement.</p> <p>Plug #2 - 3750-3425', 25 sx casing plug to cover DV tool.</p> <p>Plug #3 - 1350', perf and squeeze 35 sx through CICR at 1300', spot an additional 5 sx of cement on top of the CICR.</p> <p>Plug #4 - 970', perf and squeeze 90 sx through CICR at 920', spot an additional 10 sx of cement on top of the CICR.</p> <p>Plug #5 - 480', perf and pump 150 sx of cement with the intention to circulate cement to the surface. WOC and tag at 262' or higher if cement does not come to the surface and remain there. Notify COGCC Area Engineer of insufficient cement.</p> <p>Plug #6 - 50' of cement at the surface in both the casing and the annulus per COA #4.</p>
	<p>Consistent with Rule 911.a, a Form 27 must be approved prior to cut and cap, conducting flowline abandonment, or removing production equipment. Allow 30 days for Director review of the Form 27; include the Form 27 document number on the Form 44 for offsite flowline abandonment (if applicable) and on the Form 6 Subsequent.</p>
	<p>Properly abandon flowlines per Rule 1105. If flowlines will be abandoned in place, include with the Form 27: pressure test results conducted in the prior 12 months as well as identification of any document numbers for a COGCC Spill/Release Report, Form 19, associated with the abandoned line.</p>
	<p>Due to close proximity to Residential Building Units (RBUs): prior to commencing operations, at a minimum, the operator will provide an informational sheet to the owners/occupants of RBUs 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 P&A operations.</p>
6 COAs	

Attachment List

Att Doc Num**Name**

403237883	FORM 6 INTENT SUBMITTED
403237965	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group**Comment****Comment Date**

Engineer	Groundwater: High Plains Aquifer, Dakota, Cheyenne Deepest water well: 843'(2mi, 34 records) Log: 099-06248 GR 3742 HP behind surface casing, DKTA 430-630', CHYN 680-865'	12/08/2022
OGLA	OGLA review is complete.	11/28/2022

Total: 2 comment(s)