

FORM
6
Rev
11/20

State of Colorado
Energy & Carbon Management Commission



DE	ET	OE	ES
Document Number: 404508010			
Date Received: 01/15/2026			

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

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.

ECMC Operator Number: <u>61650</u>	Contact Name: <u>Cristina Goodrich</u>
Name of Operator: <u>MURFIN DRILLING COMPANY INC</u>	Phone: <u>(316) 267-3241</u>
Address: <u>250 N WATER ST STE 300</u>	Fax: _____
City: <u>WICHITA</u> State: <u>KS</u> Zip: <u>67202</u>	Email: <u>cgoodrich@murfininc.com</u>

For "Intent" 24 hour notice required, Name: Serna, Abe Tel: (720) 661-7317
 Email: abe.serna@state.co.us
ECMC contact: _____

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

API Number: <u>05-099-06280-00</u>	Well Number: <u>1-32</u>
Well Name: <u>REED</u>	
Location: QtrQtr: <u>NWNE</u> Section: <u>32</u> Township: <u>21S</u> Range: <u>46W</u> Meridian: <u>6</u>	
County: <u>PROWERS</u>	Federal, Indian or State Lease Number: _____
Field Name: <u>CHANNING</u>	Field Number: <u>10880</u>

Only Complete the Following Background Information for Intent to Abandon

Latitude: 38.182230 Longitude: -102.600325
 GPS Data: GPS Quality Value: 3.0 Type of GPS Quality Value: PDOP Date of Measurement: 05/02/2009

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

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
MORROW	4582	4610			
ST GENEVIEVE	4836	4862	01/28/1988	BRIDGE PLUG	4822
KEYES	4772	4798	01/28/1988	BRIDGE PLUG	4822

Total: 3 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	UNK	24	0	220	140	220	0	VISU
1ST	7+7/8	4+1/2	J-55	10.5	0	4871	140	4871	4075	CBL
2ND	4	2+3/8	UNK	UNK	0	4530	300	4530	650	CALC
	7+7/8	4+1/2	J-55	Stage Tool	0	1796	300	1796	0	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4530 with 1 sacks cmt on top. CIBP #2: Depth 1700 with 1 sacks cmt on top.
 CIBP #3: Depth 1200 with 1 sacks cmt on top. CIBP #4: Depth 650 with 1 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 _____ 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
 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
 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 23 sacks half in. half out surface casing from 300 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:

Attached is current wellbore diagram and proposed PA wellbore diagram.
This location is not within HPH.

Proposed Plugging Procedure Continued:

Run casing scraper. Set CIBP @ 4530'. Dump bail 1 sx cement
Run cement bond log. Determine TOC in 2-3/8" x 4-1/2" annulus. Submit log
Set CIBP @ 1700'. Dump bail 1 sx cmt
Set CIBP @ 1200'. Dump bail 1 sx cmt
Set CIBP @ 650'. Dump bail 1 sx cmt

If TOC is between 300' and 650' , Proceed with the following
Perforate 2-3/8" @ 300'
Establish circulation between 2-3/8 x 4-1/2" annulus
Pump 23 sx cement thru perfs, circulating to surface. Fill 2-3/8" tubing to surface.

If TOC is between surface and 300'
Perforate 2-3/8" tubing a few feet above TOC. Establish circulation thru perfs.
TIH with 1.5" tubing. Pump Cement from 300' to perfs.
Circ cement thru perfs to surface, Fill 2-3/8" tubing to surface.

If TOC is between 650'-1700'
Set CIBPs as shown above for all plugs below TOC

Depending on depth, may perf and circulate cement to surface. Will consult with ECMC of plugging procedure.

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

Signed: _____ Print Name: Amber Barnett
Title: Compliance Specialist Date: 1/15/2026 Email: abarnett@ardorenvironmental.com

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

ECMC Approved: Wolfe, Stephen Date: 2/5/2026

CONDITIONS OF APPROVAL, IF ANY LIST

Expiration Date: 8/4/2026

<u>COA Type</u>	<u>Description</u>
	<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 ECMC within three (3) months of collecting the samples.</p> <p>If there is a need for sampling, contact ECMC engineering for verification of plugging procedure.</p>
	<p>Operator shall implement measures to control venting, 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 welfare.</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 ECMC Spill/Release Report, Form 19, associated with the abandoned line.</p>
	<p>Plugging</p> <ol style="list-style-type: none"> 1) Provide two(2) electronic Form 42 Notices, <ul style="list-style-type: none"> • MIRU 2 business days ahead of operations and, • Notice of Plugging Operations 48 hours prior to mobilizing for plugging operations. 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 ECMC is obtained. 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. Wait on cement(WOC) a minimum of 4 hrs before tagging a plug. Tag at tops specified. Notify ECMC Area Engineer before adding cement to previous plug due to low(deeper) cement top. 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 and complete isolation in all strings during cut and cap. After cut and prior to cap, verify isolation by either a 15 minute bubble test or 15 minute optical gas imaging observation. If there is indication of flow contact ECMC Engineering. Provide a statement on the 6 SRA which method was used and what was observed. Retain records of final isolation test for 5 years. 5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed. 6) Operator must wait a sufficient time on all plugs to achieve the intended design. If at any time during the plugging there is evidence of previously unreported pressure or fluid migration, contact ECMC Area Engineer before continuing operations. 7) Plugging procedure has been approved as follows, <ul style="list-style-type: none"> Check and record all pressures prior to rigging up. Notify ECMC Area Engineer of any initial pressure prior to commencing operations, See COA #3 for requirements to tag, CIBP at 4822' set on 1/28/1988 to remain, CIBP at 4758' set on 2/5/1988 to remain, Plug #1 - 4530', CIBP with 1 sx of cement on top inside 2 3/8" tubing, Load hole and run CBL to determine cement coverage in the 2 3/8" by 4 1/2" casing annulus, report results to ECMC Area Engineer for confirmation of the plugging procedure, All surface pressure and/or flow must be stopped prior to pumping the next plug, SQUEEZE REQUIRED ON ANY OF THE NEXT 3 PLUGS IF TOC ON LINER IS BELOW DEPTH OF CIBP, Plug #2 - 1700', CIBP with 1 sx of cement on top inside 2 3/8" tubing, Plug #3 - 1200', CIBP with 1 sx of cement on top inside 2 3/8" tubing, Plug #4 - 650', CIBP with 1 sx of cement on top inside 2 3/8" tubing, Plug #5 - 300', Perf and circulate a 23 sx cement to the surface, WOC and tag if cement does not reach the surface or fails to remain there, Plug #6 - 50' of cement at the surface in both the casing and the annulus per COA #4.
	<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 the proximity of residential building units (RBUs) all blowdown gasses will be controlled.</p> <p>Due to proximity of plugging and abandonment (P&A) operations to BUs, operator will comply with Table 423 Maximum Permissible Noise Levels for residential land use. Prior to initiating work, operator will install temporary sound walls, straw bales, or other BMPs to dampen noise if necessary for compliance.</p> <p>Notification will be given to any adjacent building unit occupants within a 1000 feet of the wellhead of planned P&A start date.</p>
<p>6 COAs</p>	

ATTACHMENT LIST

<u>Att Doc Num</u>	<u>Name</u>
404508010	FORM 6 INTENT SUBMITTED
404508248	WELLBORE DIAGRAM
404508250	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Groundwater - High Plains, Dakota-Cheyenne Deepest water well- 865'(2mi, 21 records) Log - 099-06280 1/19/88 GR=3742 HP base DKTA 450-690', CYN 714-800', DAY CRK 1170-1270'	02/05/2026
OGLA	LAS review is complete.	01/20/2026

Total: 2 comment(s)