

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:
 404472664
 Date Received:
 12/15/2025

ECMC Operator Number: 10814 Contact Name: Richard Saadeh
 Name of Operator: MDS ENERGY DEVELOPMENT LLC Phone: (817) 718-0175
 Address: 409 BUTLER RD SUITE A Fax: _____
 City: KITTANNING State: PA Zip: 16201 Email: richard.saadeh@mdsed.com

For "Intent" 24 hour notice required, Name: Petrie, Erica Tel: (303) 726-3822
 ECMC contact: Email: erica.petrie@state.co.us

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

API Number 05-123-05475-00
 Well Name: O CASTOR A Well Number: 1
 Location: QtrQtr: NWNW Section: 34 Township: 8N Range: 59W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: _____
 Field Name: BUCKINGHAM Field Number: 7570

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.623016 Longitude: -103.971712
 GPS Data: GPS Quality Value: 1.1 Type of GPS Quality Value: PDOP Date of Measurement: 11/17/2025
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other Re-entry P&A offset to upcoming HZ development
 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	6706	6712	09/10/1969	SAND PLUG	6600
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	J55	32	0	370	200	370	0	VISU
1ST	7+7/8	5+1/2	J55	15.5	5000	6722	100	6722	6133	CALC
OPEN HOLE	7+7/8				370	5000				

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ 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 80 sks cmt from 5000 ft. to 4800 ft. Plug Type: STUB PLUG Plug Tagged:
Set 80 sks cmt from 2500 ft. to 2300 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 80 sks cmt from 1575 ft. to 1375 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:

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
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(Cast Iron Cement Retainer Depth)

Set 188 sacks half in. half out surface casing from 525 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:

*Csg cut attempted; cut and pull depth/quantity unknown. Listed 5000' as possible cut depth
**Will tag and record top of production casing before pumping stub plug.

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

Signed: _____ Print Name: Taylor Heffner
Title: MDS Energy Contractor Date: 12/15/2025 Email: theffner@carbon-shield.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: 1/12/2026

CONDITIONS OF APPROVAL, IF ANY LIST

Expiration Date: 7/11/2026

COA Type	Description
	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>Plugging</p> <p>1) Two(2) electronic notifications required,</p> <ul style="list-style-type: none"> • File a Form 42(MIRU) Notice of MIRU 2 business days ahead of operations, • File a Form 42(PA) Notice of Plugging Operations 48 hours prior to mobilizing for plugging operations. <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 ECMC 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) on top. 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 of a high(shallow) tag or before adding cement to a previous plug due to a low(deep) cement top.</p> <p>4) Place a 50' cement 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 any indication of flow contact ECMC Engineering before proceeding. Provide a statement on the 6 SRA as to which method was used and what was observed. Retain records of final isolation test for 5 years.</p> <p>5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>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.</p> <p>7) Plugging procedure has been approved as follows,</p> <p>Plug #1 - 5000-4800', tag existing casing stub and pump an 80 sx stub plug, WOC and tag,</p> <p>Plug #2 - 2500-2300', pump an 80 sx open hole plug, see COA #3 for tag,</p> <p>All pressure and fluid migration on this well must be eliminated prior to pumping the next plug,</p> <p>Plug #3 - 1575-1375', pump an 80 sx open hole plug, WOC and tag,</p> <p>Plug #4 - 525-0', pump a 188 sx open hole plug and circulate to the surface, WOC and tag at 320' or shallower,</p> <p>Plug #5 - 50' of cement at the surface in both the casing and the annulus per COA #4.</p>
2 COAs	

ATTACHMENT LIST

Att Doc Num	Name
404472664	FORM 6 INTENT SUBMITTED
404472692	SURFACE OWNER CONSENT
404472694	WELLBORE DIAGRAM
404472696	WELLBORE DIAGRAM
404472698	LOCATION PHOTO

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Req new WBD. Rec 1/7/26.	01/06/2026
Engineer	Groundwater - Laramie-Fox Hills, Upper Pierre Deepest water well- 1525'(GR=4945), 475'(GR=4880), 320'(1mi, 21 records) 3420,4405 MSL Log - 123-10204 GR=4940 L-FH 230-440', UP 830-1490'	01/06/2026
Permit	Confirmed perf interval docnum: 268227. Reviewed attachments. Pass.	12/22/2025
OGLA	Location Assessment Specialist (LAS) review complete. Well is not in a HPH, not near surface waters or wetlands, and not near RBUs.	12/17/2025

Total: 4 comment(s)