FORM 6 Rev 11/20

State of Colorado
Energy & Carbon Management Commission

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

DE	ET	OE	ES

Replug By Other Operator

Document Number: 404498572

Date Received: 01/20/2026

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: 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, ECMC contact: Name: Petrie, Erica Tel: (303) 726-3822 Email: erica.petrie@state.co.us

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

API Number 05-123-08043-00

Well Name: CASTOR Well Number: 1-27

Location: QtrQtr: NESW Section: 27 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: 40.631110 Longitude: -103.965546

GPS Data: GPS Quality Value: 1.3 Type of GPS Quality Value: PDOP Date of Measurement: 12/31/2025

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

Total: 0 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	28.53	0	149	150	149	0	VISU
OPEN HOLE	7+7/8				149	6814				

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	sks cmt from	ft. to	ft.	Plug Type	Plug Tagged
50	6678	6578		OPEN HOLE	☐
100	5989	5739		OPEN HOLE	☒
80	2500	2300		OPEN HOLE	☐
80	1575	1375		OPEN HOLE	☒
					☐

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

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

(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

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:

*A closed loop system will be utilized throughout plugging operations.

Castor #1-27 Re-Entry P&A Procedure
1. Survey and locate abandoned well. Mark with stake and record as-drilled GPS coordinates.
2. Excavate to expose top of surface casing. Cut welded plate off. Weld 8-5/8" slip collar, sufficient 8-5/8" casing to reach ground level, and 8-5/8" slip collar.
3. MIRU workover rig. NU wellhead and 5k BOP. Test BOP.
4. PU and RIH with 6-1/8" bit and 2-7/8" 6.5# L80 EUE workstring with 10 3-1/2" drill collars. Drill out surface cement plug and circulate hole clean.
5. Continue drilling or RIH to top of surface casing plug (~100'). Verify depth of surface casing plug by tagging. Pressure test surface casing to 250 psi. If surface casing fails pressure test, contact engineer.
6. After pressure test of surface casing, continue to drill out surface casing plug. If pressure is encountered below surface casing plug, circulate hole with mud or kill fluid until well is dead or blown down.
7. Continue drilling or RIH down to open hole plug at 410' and drill out. Continue drilling or RIH, cleaning out drilling mud or water to 6,678'. TOOH with bit and 2-7/8" workstring.
8. PU and RIH with mule shoe and 2-7/8" L80 tubing to 6,678'. RU cement crew, pressure test lines to 4,500 psi and pump open hole plug of 50 sx of 15.8 ppg Class G neat cement at 6,678'.
9. POOH to 5,989'. RU cement crew, pressure test lines and pump open hole plug of 100 sx of 15.8 ppg Class G neat cement at 5,989'.
10. POOH to surface casing and wait hour hours. RIH and tag top of cement. Record tag depth. If tag is deeper than 5,889', contact engineer. POOH to 2,500'. RU cement crew and pump open hole plug of 80 sx of 15.8 ppg Class G neat cement.

ECMC addition: Plug #4 - 1575-1375', pump an 80 sx open hole plug, WOC and tag,

11. POOH to 525'. RU cement crew and pump surface casing plug of 188 sx of 15.8 ppg Class G neat cement. POOH and wait four hours. If top of cement not at surface, RIH and tag. If tag is deeper than 99', contact engineer.
12. POOH with 2-7/8" tubing and LD. Place surface plug of 10 sx (Redi-mix or Class G), if needed. RDMO cement and service rig.
13. Once surface plug has set, wait 5 days, cut casing to 5' below ground level and weld on plate to seal the wellbore. Inscribe the well's legal location, well name and number, and API number on the plate as shown below:
CASTOR #1-27
05-123-08043
1980' FSL 1980' FWL NESW Sec 27 8N 59W
14. Backfill hole and reclaim surface to original conditions.
(See As-Plugged (Existing) & Proposed WBD Attachments)

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: 1/20/2026 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: 2/5/2026

CONDITIONS OF APPROVAL, IF ANY LIST Expiration Date: 8/4/2026

COA Type	Description
	Plugging 1) Two(2) electronic notifications required, • 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. 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) 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. 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. 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, Plug #1 - 6678', tag existing plug and pump a 50 sx open hole plug, Plug #2 - 5989-5739', pump a 100 sx open hole plug, WOC and tag, Plug #3 - 2500-2300', pump an 80 sx open hole plug, see COA #3 for tag, All pressure and fluid migration on this well must be eliminated prior to pumping the next plug, Plug #4 - 1575-1375', pump an 80 sx open hole plug, WOC and tag, Plug #5 - 525-0', pump a 188 sx open hole plug and circulate to the surface, WOC and tag at 99' or shallower, Plug #6 - 50' of cement at the surface in the casing per COA #4.
	Due to proximity to a mapped wetland and/or surface water, operator will use secondary containment for all tanks and other liquid containers. Operator will implement stormwater BMPs and erosion control measures as needed to prevent sediment and stormwater runoff from entering the wetland and surface water.
2 COAs	

ATTACHMENT LIST

Att Doc Num	Name
404498572	FORM 6 INTENT SUBMITTED
404498583	SURFACE OWNER CONSENT
404498584	WELLBORE DIAGRAM
404498585	WELLBORE DIAGRAM
404498586	LOCATION PHOTO

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
Engineer	Requested new WBD to match this form. 2/2/26 Received and replaced Doc 404498585.	02/05/2026
Engineer	Groundwater - Laramie-Fox Hills, Upper Pierre Deepest water well- 1525'(GR=4945, 3420' MSL), 475'(GR=4880, 4405' MSL), 320'(1mi, 21 records) Log - 123-10204 GR=4940 L-FH 230-440'(4500' MSL), UP 830-1490'(3450' MSL)	01/30/2026
Permit	- Verified re-entry/re-plugging procedure and closed loop system will be utilized Permit Review Complete	01/21/2026
Permit	- Verified GPS data - Verified SUA - Verified completed interval (None, DA) - Verified WBD Emailed operator for the following: - Missing "Describe details of the proposed re-entry/re-plugging procedure & - Missing comment stating that a closed loop system will be utilized Return to DRAFT	01/20/2026

Total: 4 comment(s)