

**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:  
 404498641  
 Date Received:

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 05-123-05488-00  
 Well Name: CASTOR Well Number: 1  
 Location: QtrQtr: SESE Section: 28 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: 40.626634 Longitude: -103.976487  
 GPS Data: GPS Quality Value: 1.2 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	10+3/4	J55	32.75	0	223	125	223	0	VISU
OPEN HOLE	7+7/8				223	6911				

## 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	100	sks cmt from	6033	ft. to	5783	ft.	Plug Type: OPEN HOLE	Plug Tagged: <input checked="" type="checkbox"/>
Set	80	sks cmt from	2500	ft. to	2300	ft.	Plug Type: OPEN HOLE	Plug Tagged: <input type="checkbox"/>
Set	80	sks cmt from	1575	ft. to	1375	ft.	Plug Type: OPEN HOLE	Plug Tagged: <input checked="" type="checkbox"/>
Set		sks cmt from		ft. to		ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set		sks cmt from		ft. to		ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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 218 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:

\*Note: A closed-loop system will be utilized throughout plugging operations.

Castor #1 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 10-3/4" slip collar, sufficient 10-3/4" casing to reach ground level, and 10-3/4" slip collar.
3. MIRU workover rig. NU wellhead and 5k BOP. Test BOP.
4. PU and RIH with 6-3/4" bit and 2-7/8" 6.5# L80 EUE workstring with ten 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 (~215'). 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, cleaning out drilling mud or water to 6,033'. TOOH with bit and 2-7/8" workstring.
8. PU and RIH with mule shoe and 2-7/8" L80 tubing to 6,033'. RU cement crew, pressure test lines to 4,500 psi and pump open hole plug of 100 sx of 15.8 ppg Class G neat cement at 6,033'.
9. POOH to surface casing and wait four hours. RIH and tag top of cement. Record tag depth. If tag is deeper than 5,883', 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.
10. POOH to 1,575'. RU cement crew, pressure test lines and pump open hole plug of 80 sx of 15.8 ppg Class G neat cement at 1,575'.
11. POOH to surface casing and wait four hours. RIH and tag top of cement. Record tag depth. If tag is deeper than 1,475', contact engineer.
12. POOH to 525'. RU cement crew and pump surface casing plug of 218 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 173', contact engineer.
13. 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.
14. Once surface plug has set, 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  
 05-123-05488  
 330' FSL 990' FEL  
 SESE Sec 28 8N 59W

15. 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: \_\_\_\_\_ 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: \_\_\_\_\_ Date: \_\_\_\_\_

**CONDITIONS OF APPROVAL, IF ANY LIST**

Expiration Date: \_\_\_\_\_

<b><u>COA Type</u></b>	<b><u>Description</u></b>
0 COA	

**ATTACHMENT LIST**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
404498649	SURFACE OWNER CONSENT
404498650	WELLBORE DIAGRAM
404498651	WELLBORE DIAGRAM
404498652	LOCATION PHOTO

Total Attach: 4 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	<ul style="list-style-type: none"><li>- Verified GPS data</li><li>- Verified SUA</li><li>- Verified completed interval (None)</li><li>- Verified WBD</li></ul> <p>Emailed operator for the following:</p> <ul style="list-style-type: none"><li>- Missing ""Describe details of the proposed re-entry/re-plugging procedure</li><li>- Missing comment stating that a closed loop system will be utilized</li></ul> <p>Return to DRAFT"</p>	01/20/2026

Total: 1 comment(s)