



<div>FORM</div> <div>6</div> <div>Rev 11/20</div>	<div>State of Colorado</div> <div>Energy & Carbon Management Commission</div> <div>1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109</div>		<div><div></div><div></div></div>		<div>DE</div> <div>ET</div> <div>OE</div> <div>ES</div>
	<div>Replug By Other Operator</div> <div>Document Number: 403874725</div> <div>Date Received: 09/26/2024</div>				

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: 10819		Contact Name: Venessa Chase	
Name of Operator: PRAIRIE OPERATING CO LLC		Phone: (303) 907-1714	
Address: 50 S STEELE STREET SUITE 450		Fax:	
City: DENVER	State: CO	Zip: 80209	Email: vc@prairieopco.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 05-123-07588-00		Well Number: 5-2	
Well Name: CASSADY			
Location: QtrQtr: SWSW	Section: 5	Township: 7N	Range: 60W Meridian: 6
County: WELD	Federal, Indian or State Lease Number:		
Field Name: MORNINGSIDE	Field Number: 56000		

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.598736	Longitude: -104.123981
GPS Data: GPS Quality Value: 2.4	Type of GPS Quality Value: PDOP
Date of Measurement: 08/14/2024	
Reason for Abandonment: <input type="checkbox"/> Dry <input type="checkbox"/> Production Sub-economic <input type="checkbox"/> Mechanical Problems	
<input checked="" type="checkbox"/> Other Re-Enter and Re-Plug	
Casing to be pulled: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Estimated Depth:
Fish in Hole: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, explain details below
Wellbore has Uncemented Casing leaks: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	10+3/4	8+3/4	J55	24	0	216	200	216	0	VISU
OPEN HOLE	7+7/8				216	6997				

Date Run: 10/17/2024 Doc [#403874725] Well Name: CASSADY 5-2

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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	50	sks cmt from	6950	ft. to	6800	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input type="checkbox"/>
Set	145	sks cmt from	6400	ft. to	5900	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input checked="" type="checkbox"/>
Set	145	sks cmt from	2000	ft. to	1500	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

(Cast Iron Cement Retainer Depth)

Set 245 sacks half in. half out surface casing from 640 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:

See Plugging Procedure Attached.

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

Signed: _____ Print Name: Venessa Chase

Title: Manager of Reg Affairs Date: 9/26/2024 Email: vc@prairieopco.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: 10/17/2024

CONDITIONS OF APPROVAL, IF ANY LIST

Expiration Date: 4/16/2025

COA Type	Description
	<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 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. 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' 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 modified as follows, Plug #1 - 6950', 50 sx cement open hole plug, Note: Plug added by ECMC, Plug #2 - 6400-5900', 145 sx cement open hole plug, Note: Depth change, Plug #3 - 2000-1500', 145 sx cement open hole plug, Plug #4 - 640-0', 245 sx cement combined shoe/surface plug, Note: Change to depth and volume,</p>
1 COA	

ATTACHMENT LIST

Att Doc Num	Name
403874725	FORM 6 INTENT SUBMITTED
403874726	WELLBORE DIAGRAM
403874727	PROPOSED PLUGGING PROCEDURE
403936039	SURFACE OWNER CONSENT
403936040	LOCATION PHOTO

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Groundwater-Laramie-Fox Hills, Upper Pierre Deepest water well- 526'(2mi, 19 records) Log- 123-20978 6/20/2002 GR=4966', L-FH base 590', UP 900-1550'	10/15/2024
Permit	Updated GPS data when taking photos No zones or production reports to verified Passed Permit Review	09/30/2024
Permit	Sent back to draft since some attachments are missing	08/12/2024
OGLA	Location Assessment Specialist (LAS) review complete. Well is not near surface waters or wetlands and there are no nearby RBUs.	08/08/2024
OGLA	Well is in a CPW mapped Pronghorn Winter Concentration Area High Priority Habitat. Although plugging and abandonment operations with heavy equipment will be allowed, the operator is strongly encouraged to avoid them from January 1 through April 30.	08/08/2024

Total: 5 comment(s)