

**FORM**  
**5**Rev  
12/20**State of Colorado****Energy & Carbon Management Commission**

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Document Number:

403573455

Date Received:

10/26/2023

**DRILLING COMPLETION REPORT**

Per Rule 308A, this form and all required attachments shall be submitted after completing the drilling operations to drill, sidetrack, or deepen a wellbore and after changing the casing and/or cement configuration of a wellbore. If any attempt has been made to test, complete, or produce the well, the operator shall also submit a Form 5A (Completed Interval Report) per Rule 308B. If the well has been plugged, the operator shall also submit a Form 6 (Well Abandonment Report) per Rule 311.

Completion Type ☒ Final completion ☐ Preliminary completion

ECMC Operator Number: 69175

Contact Name: Valerie Danson

Name of Operator: PDC ENERGY INC

Phone: (970) 506-9272

Address: 1099 18TH STREET SUITE 1500

Fax:

City: DENVER State: CO Zip: 80202

Email: valerie.danson@pdce.com

API Number 05-123-17941-00

County: WELD

Well Name: BOOTH

Well Number: 13-26

Location: QtrQtr: NWSW Section: 26 Township: 5N Range: 67W Meridian: 6  
FNL/FSL FEL/FWL

Footage at surface: Distance: 2083 feet Direction: FSL Distance: 855 feet Direction: FWL

As Drilled Latitude: 40.369114 As Drilled Longitude: -104.866728

GPS Data: GPS Quality Value: 3.0 Type of GPS Quality Value: PDOP Date of Measurement: 01/08/2009

\*\* If directional footage at Top of Prod. Zone Dist: feet Direction: Dist: feet Direction:  
Sec: Twp: Rng: FNL/FSL FEL/FWL\*\* If directional footage at Bottom Hole Dist: feet Direction: Dist: feet Direction:  
Sec: Twp: Rng: FNL/FSL FEL/FWL

Field Name: WATTENBERG

Field Number: 90750

Federal, Indian or State Lease Number: 61574

Spud Date: (when the 1st bit hit the dirt) 02/19/1994 Date TD: 02/27/1994 Date Casing Set or D&amp;A: 02/27/1994

Rig Release Date: 02/27/1994 Per Rule 308A.b.

Well Classification:

☐ Dry ☒ Oil ☐ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ Observation

Total Depth MD 7435 TVD\*\* Plug Back Total Depth MD 7394 TVD\*\*

Elevations GR 4966 KB 4976 Digital Copies of ALL Logs must be Attached ☐

List All Logs Run:

**FLUID VOLUMES USED IN DRILLING OPERATIONS**

(Enter "0" if a type of a fluid was not used. Do not leave blank.)

Total Fluids (bbls): 0 Fresh Water (bbls): 0

Recycled or Reused Fluids That Offset the Use of Fresh Water (bbls): 0

### CASING, LINER AND CEMENT

<u>Casing Type</u>	<u>Size of Hole</u>	<u>Size of Casing</u>	<u>Grade</u>	<u>Wt/Ft</u>	<u>Csg/Liner Top</u>	<u>Setting Depth</u>	<u>Sacks Cmt</u>	<u>Cmt Btm</u>	<u>Cmt Top</u>	<u>Status</u>
SURF	12+1/4	8+5/8	J55	24	0	313	220	313	0	VISU
1ST	7+7/8	3+1/2	J55	7.7	0	7435	220	7435	6500	CBL

Bradenhead Pressure Action Threshold 94 psig

This threshold is calculated per Rule 308A.b.(2)G. If this well is located in a bradenhead test area (see Rule 207.b) per an Order of the Commission, it may be subject to a different threshold.

Does the casing centralization comply with Rule 317.g? Yes

If "NO", provide details below.

### STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: \_\_\_\_\_

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
PERF & PUMP	1ST	3,000	90	2,595	3,000

Details of work:

Booth 13-26 (05-123-17941) – Remedial Squeeze Procedure  
Producing Formation: Niobrara/Codell: 6922'-7252'  
Deepest Water Well: 300'  
Fox Hills: N/A  
Upper Pierre Aquifer: 560' – 1380'  
TD: 7483' PBDT: 7394' (5/14/2002)  
Surface Casing: 8 5/8" 24# @ 313' w/ 220 sxs cmt  
Production Casing: 3 1/2" 7.7# @ 7435' w/ 220 sxs cmt (TOC @ 6500' – CBL)

Procedure:

1. MIRU pulling unit. Pull 2 1/16" tubing.
2. RU wireline company.
3. TIH with CIBP. Set CIBP at 6872'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Nio perfs @ 6922')
4. Pressure tested plug/casing, test failed. Ran a packer, hunted holes. Attempted to un-land casing, unable to un-land.
5. Ran a CBL from 6800' to Surface.
6. TIH with CIBP. Set CIBP at 6365'. Bad set.
7. TIH with an additional CIBP. Set CIBP at 6340'. Top with 2 sxs 15.8#/gal CI G cement.
8. Pressure tested plug/casing, test failed again. Ran a packer, hunted holes, found holes to be between 6465'-1947'. Contacted the State, moved forward with the approved procedure change.
9. TIH with perf gun. Shoot lower squeeze holes at 3000' and upper squeeze holes at 2800'.
10. TIH with CICR. Set CICR at 2815'. RU cementing company. Sting in and pump 90 sxs 15.8#/gal CI G cement down tubing. Sting out and pump 10 sxs (of the 90 sxs) 15.8#/gal CI G cement on top of CICR. TOC at 2595'.
11. Pull tubing, NU 5K wellhead, torque and tested. Shut and secured well in ahead of offset frac. RDMO WO rig.

### FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analysis must be submitted to ECMC)
	Top	Bottom	DST	Cored	

Operator Comments:

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

Signed: \_\_\_\_\_ Print Name: Valerie Danson

Title: Reg Analyst Date: 10/26/2023 Email: valerie.danson@pdce.com

### ATTACHMENT LIST

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
403573685	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Directional Survey **	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	DST Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Logs	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
403573686	Other	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<u>Other Attachments</u>			
403573455	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
403573477	PDF-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
403573687	WELLBORE DIAGRAM	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
403573689	OPERATIONS SUMMARY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)