FORM 5
Rev 02/08

State of Colorado
Oil and Gas Conservation Commission

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

DE	ET	OE	ES

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Date Received:

DRILLING COMPLETION REPORT

This form is to be submitted within 30 days of the setting of production casing, the plugging of a dry hole, the deepening or sidetracking of a well, or any time the wellbore configuration is changed. If the well is deepened or sidetracked a new Form 5 is required. If an attempt has been made to complete/produce a well, then the operator shall submit Form 5A (Completed Interval Report.) If the well has been plugged, a form 6 (Well Abandonment Report) is required.

Completion Type [X] Final completion [ ] Preliminary completion

1. OGCC Operator Number: 69175
2. Name of Operator: PDC ENERGY INC
3. Address: 1775 SHERMAN STREET - STE 3000
City: DENVER State: CO Zip: 80203
4. Contact Name: Christine Brookshire
Phone: (303) 860-5800
Fax: (303) 860-5838

5. API Number 05-123-11864-00
6. County: WELD
7. Well Name: MILLER
Well Number: 32-1
8. Location: QtrQtr: NENW Section: 32 Township: 5N Range: 67W Meridian: 6
Footage at surface: Distance: 630 feet Direction: FNL Distance: 1980 feet Direction: FWL
As Drilled Latitude: As Drilled Longitude:
GPS Data:
Data of Measurement: PDOP Reading: GPS Instrument Operator's Name:

** If directional footage at Top of Prod. Zone Dist.: feet. Direction: Dist.: feet. Direction:
Sec: Twp: Rng:
** If directional footage at Bottom Hole Dist.: feet. Direction: Dist.: feet. Direction:
Sec: Twp: Rng:

9. Field Name: WATTENBERG
10. Field Number: 90750
11. Federal, Indian or State Lease Number: 65496

12. Spud Date: (when the 1st bit hit the dirt) 07/12/1984
13. Date TD: 08/10/1984
14. Date Casing Set or D&A:

15. Well Classification:
[ ] Dry [X] Oil [ ] Gas/Coalbed [ ] Disposal [ ] Stratigraphic [ ] Enhanced Recovery [ ] Storage [ ] Observation

16. Total Depth MD 7081 TVD**
17 Plug Back Total Depth MD 7049 TVD**

18. Elevations GR 4826 KB 4836

One paper copy of all electric and mud logs must be submitted, along with one digital LAS copy as available.

19. List Electric Logs Run:
CBL Gamma Ray

20. Casing, Liner and Cement:

CASING

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
SURF	12+1/4	8+5/8	26	0	322	240	0	322	
1ST	7+7/8	4+1/2	11.6	0	7,083	250	0	7,083	

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date:

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
1 INCH	S.C. 1.1		410	4,709	6,207
1 INCH	S.C. 2.1		416	3,211	4,894
1 INCH	S.C. 3.1		181	2,566	3,394
1 INCH	S.C. 3.2		231	1,180	2,019

Details of work:

Continue TIH w/1 1/4" to 4689.80' w/150 jts. Break circulation, C&C hole for 3 Hrs @2 bpm @ 1700 psi, RD circulation equipment and continue TIH, tagged TOC @ 6230' w/200 jts. Lay down 1 jt and break circulation w/199 jts @6221.92', circulate @ 2 bpm @1900 psi, C&C hole from 03:00-11:00. MI&RU Baker Hughes cement trucks, test results from lab showed cement pump time @ 2 hrs, call and wait on R-3 retarter, hold JSA and procedure meeting with all personnel on location.

15:30 hrs
Pressure test lines to 4000 psi

1st stage:EOT set @6,207.02' w/199 jts, batch and pump 410 sks of PL + 3% GEL +.8%R3 13.4# 1.55 yield (113 bbls) displace 2.5 bbls Est. TOC @4709', lay down 42 jts

2nd stage:EOT set @ 4894.49' w/157 jts, batch and pump 416 sks of PL + 3% GEL +.5%R3 13.4# 1.55 yield (115 bbls) displace 2.5 bbls Est. TOC @3211', lay down48 jts

3rd stage:EOT set @ 3,394.58' w/109 jts, batch and pump 181 sks of PL + 3% GEL +.5%R3 13.4# 1.55 yield (50 bbls) (20:20-22:00hrs Pump truck ran out of fuel-wait on fuel to be dilevered-pull EOT above Est. cement top-prime and start truck-trip tubing back to 3394.58' pipe started stacking out while recipacating)displace 2.5 bbls Est. TOC @2566', lay down 44 jts

4th stage:EOT set @ 2019' w/65 jts, batch and pump 231 sks of PL + 3% GEL 13.4# 1.55 yield (64 bbls) (pipe started stacking out while recipacating-started getting back heavy dehydrated mud and schale)displace 1.0 bbls Est. TOC @1180', TOOH laying down

Note:open hole calculations were figured @ 10" open hole w/ 4 1/2" casing f/6230'-322'
Surface casing-8 5/8" 24# w/ 4 1/2" suraface casing @322'
RD and release Baker Hughes, unflange annular flanges and reland casing in slips @ 75K lbs, pack casing head off, NU 4 1/2" 3K mandrell style tubing head, NU BOP, SI well and secure, SDFN." 11/13/2012

21. Formation log intervals and test zones:

FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analyses must be submitted to COGCC)
	Top	Bottom	DST	Cored	
NIOBRARA	6,650		☐	☐	
CODELL	6,980		☐	☐	

Comment:

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

Signed: _____ Print Name: Christine

Title: Brookshire Date: _____ Email: christine.brookshire@pdce.com

Attachment Check List

Att Doc Num	Document Name	attached ?
Attachment Checklist		
400486162	CMT Summary *	Yes ☒ No ☐
	Core Analysis	Yes ☐ No ☒
	Directional Survey **	Yes ☐ No ☒
	DST Analysis	Yes ☐ No ☒
	Logs	Yes ☒ No ☐
400486179	Other	Yes ☒ No ☐
Other Attachments		
400485208	LAS-	Yes ☒ No ☐

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)