

FORM
5Rev
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
----	----	----	----

Document Number:

400485160

Date Received:

09/26/2013

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 ☒ Final completion ☐ Preliminary completion

1. OGCC Operator Number: 69175

4. Contact Name: Christine Brookshire

2. Name of Operator: PDC ENERGY INC

Phone: (303) 860-5800

3. Address: 1775 SHERMAN STREET - STE 3000

Fax: (303) 860-5838

City: DENVER State: CO Zip: 80203

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:

Date 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 ☒ 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	VISU
1ST	7+7/8	4+1/2	11.6	0	7,083	250	6,207	7,083	

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: 11/13/2012

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
1 INCH	S.C. 1.1	6,207	1,238	1,180	6,207

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 retarder, 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 delivered-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', TOOHH 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		<input type="checkbox"/>	<input type="checkbox"/>	
CODELL	6,980		<input type="checkbox"/>	<input type="checkbox"/>	

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: 9/26/2013 Email: christine.brookshire@pdce.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
400486162	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"/>
400486179	Other	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<u>Other Attachments</u>			
400485160	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400485208	LAS-	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)