

FORM
5

Rev
09/14

State of Colorado
Oil and Gas Conservation Commission

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



Document Number:

400608358

Date Received:

03/12/2019

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 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

OGCC Operator Number: 69175 Contact Name: Ally Ota
Name of Operator: PDC ENERGY INC Phone: (303) 860-5800
Address: 1775 SHERMAN STREET - STE 3000 Fax: (303) 831-3988
City: DENVER State: CO Zip: 80203

API Number 05-123-37811-00 County: WELD
Well Name: Lofland Well Number: 22T-402
Location: QtrQtr: SESE Section: 22 Township: 5N Range: 65W Meridian: 6
Footage at surface: Distance: 344 feet Direction: FSL Distance: 1313 feet Direction: FEL
As Drilled Latitude: 40.378465 As Drilled Longitude: -104.644623

GPS Data:
Date of Measurement: 02/21/2019 PDOP Reading: 3.0 GPS Instrument Operator's Name: Devin Arnold

** If directional footage at Top of Prod. Zone Dist.: 192 feet Direction: FSL Dist.: 535 feet. Direction: FEL
Sec: 22 Twp: 5N Rng: 65W

** If directional footage at Bottom Hole Dist.: 211 feet Direction: FSL Dist.: 501 feet. Direction: FEL
Sec: 23 Twp: 5N Rng: 65W

Field Name: WATTENBERG Field Number: 90750
Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 01/14/2014 Date TD: 01/25/2014 Date Casing Set or D&A: 01/26/2014
Rig Release Date: 02/10/2014 Per Rule 308A.b.

Well Classification:
 Dry Oil Gas/Coalbed Disposal Stratigraphic Enhanced Recovery Storage Observation

Total Depth MD 12676 TVD** 6981 Plug Back Total Depth MD 12648 TVD** 6981
Elevations GR 4648 KB 4663 Digital Copies of ALL Logs must be Attached per Rule 308A

List Electric Logs Run:
CBL, MWD

CASING, LINER AND CEMENT

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
SURF	13+3/4	9+5/8	36	0	910	820	0	910	VISU
1ST	8+3/4	7	26	0	7,305	640	1,370	7,305	CBL
1ST LINER	6+1/8	4+1/2	13.5	7177	12,652				

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: _____

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom

Details of work:

FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analysis must be submitted to COGCC)
	Top	Bottom	DST	Cored	
PARKMAN	3,557				
SUSSEX	4,055				
SHARON SPRINGS	6,530				
NIOBRARA	6,707				
FORT HAYS	7,383				
CODELL	8,690				

Operator Comments

Shannon formation not present.
No open hole logs were run on this pad. APD was approved in 2013 with no logging BMPs or exceptions.
Depth on CBL PDF header is listed incorrectly at 7,100'. Log was actually run to 7,123' as shown within the log and LAS.

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

Signed: _____ Print Name: Cassie Gonzalez

Title: Regulatory Technician Date: 3/12/2019 Email: Cassie.Gonzalez@pdce.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
Attachment Checklist			
401931230	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
401925094	Directional Survey **	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	DST Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Logs	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Other	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Other Attachments			
400608358	DRILLING COMPLETION REPORT	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401925004	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401925006	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401925008	LAS-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401925009	PDF-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401925095	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402028512	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Accept operator reviewed 7" TOC based on CBL to be 1370'.	05/01/2019
Engineer	The 7" TOC 1560' CBL does generally indicate poor bond from 6200' up and several areas where the CCL signal is strong and the signal between collars looks almost like free pipe. But is the TOC really thought to be so deep 1560'? Cement Job Summary says 8 bbls cement returns. Fluid level 1370'. Can 11.5 ppg cement that shows up so poorly be meeting compressive strength requirements?	04/09/2019
Permit	Ready to pass.	03/19/2019
Permit	Return to draft for AOC settlement.	09/07/2016

Total: 4 comment(s)

