

FORM
5

Rev
02/20

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:

400701912

Date Received:

03/14/2020

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

OGCC Operator Number: 69175 Contact Name: Cassie Gonzalez
Name of Operator: PDC ENERGY INC Phone: (303) 860-5800
Address: 1775 SHERMAN STREET - STE 3000 Fax: _____
City: DENVER State: CO Zip: 80203 Email: cassie.gonzalez@pdce.com

API Number 05-123-37997-00 County: WELD
Well Name: Thornton Well Number: 15Y-414
Location: QtrQtr: SESE Section: 15 Township: 7N Range: 66W Meridian: 6
FNL/FSL FNL/FSL FEL/FWL
Footage at surface: Distance: 1115 feet Direction: FSL Distance: 466 feet Direction: FEL
As Drilled Latitude: 40.571034 As Drilled Longitude: -104.755882
GPS Data: GPS Quality Value: 1.4 Type of GPS Quality Value: PDOP Date of Measurement: 01/19/2015
GPS Instrument Operator's Name: Devin Arnold

** If directional footage at Top of Prod. Zone Dist: 197 feet Direction: FSL Dist: 882 feet Direction: FEL
Sec: 15 Twp: 7N Rng: 66W
FNL/FSL FNL/FSL FEL/FWL

** If directional footage at Bottom Hole Dist: 183 feet Direction: FSL Dist: 501 feet Direction: FWL
Sec: 15 Twp: 7N Rng: 66W

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

Spud Date: (when the 1st bit hit the dirt) 09/20/2014 Date TD: 10/02/2014 Date Casing Set or D&A: 10/02/2014
Rig Release Date: 10/04/2014 Per Rule 308A.b.

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

Total Depth MD 12015 TVD** 7479 Plug Back Total Depth MD 12007 TVD** 7479
Elevations GR 4921 KB 4936 Digital Copies of ALL Logs must be Attached per Rule 308A

List Electric Logs Run:
CBL, MWD, GR/CNL

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	920	825	0	920	VISU
1ST	8+3/4	7	26	0	7,946	740	0	7,946	CBL
1ST LINER	6+1/8	4+1/2	13.5	7863	12,011				

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	4,014				
SUSSEX	4,499				
SHANNON	5,203				
SHARON SPRINGS	7,177				
NIOBRARA	7,279				
FORT HAYS	8,025				
CODELL	8,363				

Operator Comments:

Open hole logging exception, no open hole logs were run on this well; Cased hole neutron run on this well.
CBL corrections made by operator due to vendor losing large database files in a truck fire.
TOC comments from our Engineer: 7" TOC, lower amplitude and VDL indicating cement around pipe.

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: 3/14/2020 Email: Cassie.Gonzalez@pdce.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
402332614	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
402332613	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"/>
<u>Other Attachments</u>			
400701912	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332596	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332598	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332600	PDF-NEUTRON	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332601	LAS-NEUTRON	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332602	LAS-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332603	PDF-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332615	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Permit review complete.	04/10/2020
Permit	Return to draft for AOC settlement.	09/07/2016

Total: 2 comment(s)

