

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:
400718316
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 05-123-38180-00 County: WELD
Well Name: Thornton Well Number: 17T-421
Location: QtrQtr: SESE Section: 17 Township: 7N Range: 66W Meridian: 6
FNL/FSL FEL/FWL
Footage at surface: Distance: 390 feet Direction: FSL Distance: 1290 feet Direction: FEL
As Drilled Latitude: 40.568750 As Drilled Longitude: -104.797290
GPS Data: GPS Quality Value: 2.2 Type of GPS Quality Value: PDOP Date of Measurement: 09/18/2014
GPS Instrument Operator's Name: Devin Arnold
FNL/FSL FEL/FWL
** If directional footage at Top of Prod. Zone Dist: 773 feet Direction: FSL Dist: 1082 feet Direction: FEL
Sec: 17 Twp: 7N Rng: 66W
FNL/FSL FEL/FWL
** If directional footage at Bottom Hole Dist: 500 feet Direction: FNL Dist: 1087 feet Direction: FEL
Sec: 17 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) 08/22/2014 Date TD: 09/03/2014 Date Casing Set or D&A: 09/05/2014
Rig Release Date: 09/06/2014 Per Rule 308A.b.

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

Total Depth MD 11931 TVD** 7490 Plug Back Total Depth MD 11923 TVD** 7490
Elevations GR 4951 KB 4966 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	932	830	0	932	VISU
1ST	8+3/4	7	26	0	7,848	735	0	7,848	CBL
1ST LINER	6+1/8	4+1/2	13.5	7729	11,927				

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	3,880				
SUSSEX	4,455				
SHANNON	5,032				
SHARON SPRINGS	7,117				
NIOBRARA	7,215				
FORT HAYS	7,893				
CODELL	8,017				

Operator Comments:

Spud date is correct on Form 5 and incorrect on COGCC's website.
Open hole logging exception, no open hole logs were run; Cased hole neutron run on this well.
Corrections on CBL 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>			
402332659	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
402332641	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>			
400718316	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332629	PDF-NEUTRON	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332631	LAS-NEUTRON	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332633	LAS-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332634	PDF-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332637	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332638	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332661	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	Returned to draft for AOC settlement.	09/13/2016

Total: 2 comment(s)

