

FORM
5Rev
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:

401434259

Date Received:

12/05/2017

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) 831-3931

Address: 1775 SHERMAN STREET - STE 3000

Fax: (303) 860-5838

City: DENVER State: CO Zip: 80203

API Number 05-123-42827-00

County: WELD

Well Name: Dunn

Well Number: 7L-221

Location: QtrQtr: SWSW Section: 7 Township: 5N Range: 64W Meridian: 6

Footage at surface: Distance: 735 feet Direction: FSL Distance: 980 feet Direction: FWL

As Drilled Latitude: 40.408506 As Drilled Longitude: -104.598269

GPS Data:

Date of Measurement: 03/06/2017 PDOP Reading: 1.6 GPS Instrument Operator's Name: Devin Arnold

** If directional footage at Top of Prod. Zone Dist.: 487 feet Direction: FSL Dist.: 1670 feet Direction: FWL

Sec: 7 Twp: 5N Rng: 64W

** If directional footage at Bottom Hole Dist.: 200 feet Direction: FNL Dist.: 1666 feet Direction: FWL

Sec: 6 Twp: 5N Rng: 64W

Field Name: WATTENBERG

Field Number: 90750

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 01/03/2017 Date TD: 01/12/2017 Date Casing Set or D&A: 01/14/2017

Rig Release Date: 02/22/2017 Per Rule 308A.b.

Well Classification:

☐ Dry ☒ Oil ☐ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ Observation

Total Depth MD 16878 TVD** 6711 Plug Back Total Depth MD 16838 TVD** 6711

Elevations GR 4615 KB 4638

Digital Copies of ALL Logs must be Attached per Rule 308A ☒

List Electric Logs Run:

CBI, MWD, (DIL in 123-13053)

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	12+1/4	9+5/8	36	0	1,722	820	0	1,722	VISU
1ST	8+1/2	5+1/2	20	0	16,853	2,205	2,050	16,853	CBL

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	3,614				
SUSSEX	4,309				
SHANNON	5,037				
SHARON SPRINGS	6,559				
NIOBRARA	6,722				

Operator Comments

Open hole logging exception; no open hole logs were run on this pad; cased hole neutron run on Dunn 7L-341 (API: 123-42832)

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 Contractor Date: 12/5/2017 Email: cassie.gonzalez@pdce.com

Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
401439576	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401471971	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
401434384	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>					
401434259	FORM 5 SUBMITTED	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401434363	PDF-CBL 1ST RUN	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401434368	LAS-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401434370	PDF-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401434372	PDF-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401434374	PDF-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401434375	PDF-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401434385	WELLBORE DIAGRAM	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401434388	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401471967	LAS-CBL 1ST RUN	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Operator replied: Per PDC Completions Engineer: ratty TOC at 2050'/CBL. Changed TOC from 418'/CALC to 2050'/CBL.	01/16/2018
Engineer	CBL not convincing above 1950'. Changed TOC from 418'/CALC to 1950'/CBL. Cement job summary says 20 bbls spacer returned to surface versus 41 bbls spacer pumped. Ask operator what their opinion is.	12/27/2017
Permit	Ready to approve.	12/19/2017

Total: 3 comment(s)