

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:

400713009

Date Received:

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

API Number <u>05-123-38759-00</u>	County: <u>WELD</u>
Well Name: <u>Thornton</u>	Well Number: <u>14K-441</u>
Location: QtrQtr: <u>SENW</u> Section: <u>14</u> Township: <u>7N</u> Range: <u>66W</u> Meridian: <u>6</u>	
	FNL/FSL FEL/FWL
Footage at surface: Distance: <u>2210</u> feet Direction: <u>FNL</u> Distance: <u>1899</u> feet Direction: <u>FWL</u>	
As Drilled Latitude: <u>40.576395</u> As Drilled Longitude: <u>-104.747402</u>	
GPS Data: GPS Quality Value: <u>1.5</u> Type of GPS Quality Value: <u>PDOP</u> Date of Measurement: <u>01/19/2015</u>	
GPS Instrument Operator's Name: <u>Devin Arnold</u>	FNL/FSL FEL/FWL
** If directional footage at Top of Prod. Zone Dist: <u>1737</u> feet Direction: <u>FNL</u> Dist: <u>1070</u> feet Direction: <u>FWL</u>	
Sec: <u>14</u> Twp: <u>7N</u> Rng: <u>66W</u>	FNL/FSL FEL/FWL
** If directional footage at Bottom Hole Dist: <u>2649</u> feet Direction: <u>FSL</u> Dist: <u>1075</u> feet Direction: <u>FWL</u>	
Sec: <u>11</u> Twp: <u>7N</u> Rng: <u>66W</u>	
Field Name: <u>WATTENBERG</u> Field Number: <u>90750</u>	
Federal, Indian or State Lease Number: _____	

Spud Date: (when the 1st bit hit the dirt) 10/05/2014 Date TD: 10/18/2014 Date Casing Set or D&A: 10/20/2014
Rig Release Date: 10/21/2014 Per Rule 308A.b.

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

Total Depth MD <u>12441</u> TVD** <u>7416</u> Plug Back Total Depth MD <u>12433</u> TVD** <u>7416</u>
Elevations GR <u>4925</u> KB <u>4940</u> Digital Copies of ALL Logs must be Attached per Rule 308A <input checked="" type="checkbox"/>

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	935	840	0	935	VISU
1ST	8+3/4	7	26	0	7,932	700	0	7,932	CBL
1ST LINER	6+1/8	4+1/2	13.5	7768	12,437				

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	3,975				
SUSSEX	4,488				
SHANNON	5,257				
SHARON SPRINGS	7,137				
NIOBRARA	7,255				
FORT HAYS	8,014				
CODELL	8,159				
CARLILE	11,344				

Operator Comments:

Open Hole Logging Exception, no open hole logs run on this pad. Cased Hole neutron run on this well.
Corrections on CBL completed 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: _____

Email: Cassie.Gonzalez@pdce.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
402332582	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
402332581	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>			
402332569	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332570	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332573	LAS-NEUTRON	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332574	PDF-NEUTRON	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332576	LAS-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332577	PDF-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402332583	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	Returned to draft for AOC settlement.	09/12/2016

Total: 1 comment(s)

