

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:

400491243

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>05-123-34763-00</u>	County: <u>WELD</u>
Well Name: <u>LEFFLER</u>	Well Number: <u>26Q-421</u>
Location: QtrQtr: <u>SWSE</u> Section: <u>26</u> Township: <u>7N</u> Range: <u>66W</u> Meridian: <u>6</u>	
	FNL/FSL FEL/FWL
Footage at surface: Distance: <u>215</u> feet Direction: <u>FSL</u> Distance: <u>2090</u> feet Direction: <u>FEL</u>	
As Drilled Latitude: <u>40.539500</u> As Drilled Longitude: <u>-104.742640</u>	
GPS Data: GPS Quality Value: <u>1.7</u> Type of GPS Quality Value: <u>PDOP</u> Date of Measurement: <u>07/25/2013</u>	
GPS Instrument Operator's Name: <u>Holly L. Tracy</u>	FNL/FSL FEL/FWL
** If directional footage at Top of Prod. Zone Dist: <u>885</u> feet Direction: <u>FSL</u> Dist: <u>2112</u> feet Direction: <u>FEL</u>	
Sec: <u>26</u> Twp: <u>7N</u> Rng: <u>66W</u>	FNL/FSL FEL/FWL
** If directional footage at Bottom Hole Dist: <u>492</u> feet Direction: <u>FNL</u> Dist: <u>2319</u> feet Direction: <u>FEL</u>	
Sec: <u>26</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) 03/20/2013 Date TD: 03/31/2013 Date Casing Set or D&A: 04/01/2013
Rig Release Date: 04/02/2013 Per Rule 308A.b.

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

Total Depth MD <u>11803</u> TVD** <u>7364</u> Plug Back Total Depth MD <u>11796</u> TVD** <u>7364</u>
Elevations GR <u>4865</u> KB <u>4880</u> Digital Copies of ALL Logs must be Attached per Rule 308A <input checked="" type="checkbox"/>

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	941	850	0	941	VISU
1ST	8+3/4	7	26	0	7,748	620	650	7,748	CBL
1ST LINER	6+1/8	4+1/2	13.5	7594	11,800				

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	3,840				
SUSSEX	4,358				
SHANNON	4,894				
SHARON SPRINGS	7,009				
NIOBRARA	7,084				
FORT HAYS	7,842				
CODELL	10,568				

Operator Comments:

No open hole logs were run on this pad. APD was approved in 2013 with no logging BMPs or exceptions. Corrections on CBL made by operator due to vendor losing large database files in a truck fire. Difficulties during drilling caused well to deviate substantially from proposed. TOC comments from our Engineer: 7" TOC, dip and lower amplitude and VDL indicating bonding to pipe and formation. TOC picked where amplitude and VDL look good at Fluid Level.

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>			
402330849	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
402330848	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>			
402330839	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402330841	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402330844	LAS-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402330846	PDF-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402330851	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	Return to draft for AOC settlement.	09/06/2016
Permit	Missing shallower formation tops. Well was permitted as Niobrara. Is it Codell? Corrected TPZ to FSL. Calculating TPZ at 785 FSL. Calculating BHL at 2320 FEL. BHL of 2320 FEL is too close to the PSU boundary.	04/22/2014
Permit	Missing as-drilled GPS data. Missing TPZ and BHL footages.	12/24/2013

Total: 3 comment(s)

