

FORM
5

Rev
10/14

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:

402168252

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>05-123-47431-00</u>	County: <u>WELD</u>
Well Name: <u>Harvey</u>	Well Number: <u>13N</u>
Location: QtrQtr: <u>SWSE</u> Section: <u>32</u> Township: <u>4N</u> Range: <u>65W</u> Meridian: <u>6</u>	
	FNL/FSL FEL/FWL
Footage at surface: Distance: <u>715</u> feet Direction: <u>FSL</u> Distance: <u>2434</u> feet Direction: <u>FEL</u>	
As Drilled Latitude: <u>40.263640</u> As Drilled Longitude: <u>-104.686440</u>	
GPS Data:	
Date of Measurement: <u>07/26/2019</u> PDOP Reading: <u>2.4</u> GPS Instrument Operator's Name: <u>Tyler Blessing</u>	
	FNL/FSL FEL/FWL
** If directional footage at Top of Prod. Zone Dist: <u>737</u> feet Direction: <u>FSL</u> Dist: <u>1155</u> feet Direction: <u>FEL</u>	
Sec: <u>32</u> Twp: <u>4N</u> Rng: <u>65W</u>	
	FNL/FSL FEL/FWL
** If directional footage at Bottom Hole Dist: <u>152</u> feet Direction: <u>FNL</u> Dist: <u>1150</u> feet Direction: <u>FEL</u>	
Sec: <u>29</u> Twp: <u>4N</u> Rng: <u>65W</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) 03/01/2019 Date TD: 05/21/2019 Date Casing Set or D&A: 05/23/2019

Rig Release Date: 07/10/2019 Per Rule 308A.b.

Well Classification:

Dry Oil Gas/Coalbed Disposal Stratigraphic Enhanced Recovery Storage Observation

Total Depth MD <u>17338</u> TVD** <u>7113</u> Plug Back Total Depth MD <u>17316</u> TVD** <u>7113</u>
Elevations GR <u>4900</u> KB <u>4923</u> Digital Copies of ALL Logs must be Attached per Rule 308A <input checked="" type="checkbox"/>

List Electric Logs Run:

CBL, MWD (DIL in 123-16264 and 123-16380)

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	1,885	860	0	1,885	VISU
1ST	8+1/2	5+1/2	20	0	17,332	2,057	1,400	17,332	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	3,990				
SUSSEX	4,482				
SHANNON	5,206				
SHARON SPRINGS	7,112				
NIOBRARA	7,217				

Operator Comments:

Spud date is correct on Form 5 and incorrect on COGCC's website.
This well has not yet been completed. Anticipated date of completion is 2nd Quarter 2020.
Top of Productive Zone is based on approved APD footage. Actual TPZ will be provided on the Form 5A.
Open hole logging exception, no open hole logs were run; Cased hole neutron run on Harvey 1N (API: 05-123-48522).
TOC comments from our Engineer: 5.5" TOC, 13.2# lead with decreasing amplitude and VDL showing signs of bonding.

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>			
402168295	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
402168300	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>			
402168283	LAS-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402168284	PDF-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402168287	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402168288	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402168289	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402168290	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402168291	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402168301	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

