

FORM 5  
Rev 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



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Document Number:  
401958933

Date Received:

## DRILLING COMPLETION REPORT

This form is to be submitted within 30 days of the setting of production casing, the plugging of a dry hole, the deepening or sidetracking of a well, or any time the wellbore configuration is changed. If the well is deepened or sidetracked a new Form 5 is required. If an attempt has been made to complete/produce a well, then the operator shall submit Form 5A (Completed Interval Report.) If the well has been plugged, a form 6 (Well Abandonment Report) is required.

Completion Type  Final completion  Preliminary completion

OGCC Operator Number: 69175 Contact Name: Ally Ota  
Name of Operator: PDC ENERGY INC Phone: (303) 860-5800  
Address: 1775 SHERMAN STREET - STE 3000 Fax: (303) 831-3988  
City: DENVER State: CO Zip: 80203

API Number 05-123-45255-00 County: WELD  
Well Name: Thistle Down Well Number: 31H-232  
Location: QtrQtr: NESW Section: 31 Township: 5N Range: 64W Meridian: 6  
Footage at surface: Distance: 1429 feet Direction: FSL Distance: 1357 feet Direction: FWL  
As Drilled Latitude: 40.352360 As Drilled Longitude: -104.597170

GPS Data:  
Date of Measurement: 01/30/2019 PDOP Reading: 1.5 GPS Instrument Operator's Name: Devin Arnold

\*\* If directional footage at Top of Prod. Zone Dist.: 1008 feet. Direction: FSL Dist.: 735 feet. Direction: FWL

Sec: 31 Twp: 5N Rng: 64W

\*\* If directional footage at Bottom Hole Dist.: 1011 feet. Direction: FSL Dist.: 799 feet. Direction: FWL

Sec: 32 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) 12/11/2018 Date TD: 12/14/2018 Date Casing Set or D&A: 12/15/2018

Rig Release Date: 01/16/2019 Per Rule 308A.b.

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

Total Depth MD 12874 TVD\*\* 6876 Plug Back Total Depth MD 12856 TVD\*\* 6876

Elevations GR 4804 KB 4827 Digital Copies of ALL Logs must be Attached per Rule 308A

List Electric Logs Run:  
CBL, MWD ( DIL in 123-22099)

### 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	1,676	766	0	1,676	VISU
1ST	8+1/2	5+1/2	20	0	12,870	1,495	2,000	12,870	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	3,776				
SUSSEX	4,500				
SHANNON	5,144				
SHARON SPRINGS	6,967				
NIOBRARA	7,058				

Comment:

This well has not yet been completed. Estimated date of completion is 3rd Quarter 2019.  
Top of Productive Zone Footage is based on approved APD footage. Actual TPZ will be provided on the Form 5A.  
Depth on CBL PDF header is listed incorrectly at 7,100'. Log was actually run to 7,101' as shown within the log and LAS.  
Open hole logging exception, no open hole logs were run on this well; Cased hole neutron run on Thistle Down 31G-402 (API: 05-123-45746).

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 ?	
<b>Attachment Checklist</b>			
401959506	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
401959509	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"/>
<b>Other Attachments</b>			
401959071	PDF-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401959084	LAS-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401959085	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401959086	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401959087	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401959088	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401959090	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401959511	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)

