

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:
401139799

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 Gale
 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 05-123-40146-00 County: WELD
 Well Name: KLEIN Well Number: 190-402
 Location: QtrQtr: SWNE Section: 19 Township: 5N Range: 64W Meridian: 6
 Footage at surface: Distance: 2418 feet Direction: FNL Distance: 2100 feet Direction: FEL
 As Drilled Latitude: 40.385240 As Drilled Longitude: -104.590850

GPS Data:
 Date of Measurement: 09/29/2016 PDOP Reading: 2.2 GPS Instrument Operator's Name: Devin Arnold

** If directional footage at Top of Prod. Zone Dist.: 2493 feet. Direction: FSL Dist.: 2174 feet. Direction: FEL
 Sec: 19 Twp: 5N Rng: 64W
 ** If directional footage at Bottom Hole Dist.: 2365 feet. Direction: FSL Dist.: 2354 feet. Direction: FEL
 Sec: 21 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) 08/02/2016 Date TD: 08/12/2016 Date Casing Set or D&A: 08/14/2016
 Rig Release Date: 09/20/2016 Per Rule 308A.b.

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

Total Depth MD 17776 TVD** 6851 Plug Back Total Depth MD 17727 TVD** 6851

Elevations GR 4626 KB 4649 **Digital Copies of ALL Logs must be Attached per Rule 308A**

List Electric Logs Run:
CBL, MWD, Cased hole neutron (DIL in 123-20132 and 123-23345)

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	2,040	1,240	0	2,040	VISU
1ST	8+1/2	5+1/2	20	0	17,742	2,662	0	17,742	VISU

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	3,599				
SUSSEX	4,302				
SHARON SPRINGS	6,610				
NIOBRARA	6,779				
FORT HAYS	7,358				
CODELL	7,396				

Comment:

Shannon formation not present.
This well has not been completed; Top of Productive Zone footage is estimated based on target entry point.
Open Hole Logging Exception, no open hole logs were run on this pad; Cased hole neutron run on this well.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____

Print Name: Ally Gale _____

Title: Regulatory Tech _____

Date: _____

Email: alexandria.gale@pdce.com _____

Attachment Check List

Att Doc Num	Document Name	attached ?	
Attachment Checklist			
401139832	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
401139830	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"/>
Other Attachments			
401139814	LAS-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401139817	LAS-NEUTRON	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401139819	PDF-NEUTRON	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401139821	PDF-CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401139824	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401139825	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401139826	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401139827	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401139828	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401139829	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401139833	WELLBORE DIAGRAM	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)