

**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:

400491333

Date Received:

10/16/2019

**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 completionOGCC Operator Number: 69175Contact Name: Cassie GonzalezName of Operator: PDC ENERGY INCPhone: (303) 860-5800Address: 1775 SHERMAN STREET - STE 3000

Fax: \_\_\_\_\_

City: DENVER State: CO Zip: 80203Email: Cassie.Gonzalez@pdce.comAPI Number 05-123-37128-00County: WELDWell Name: ThorntonWell Number: 21K-443Location: QtrQtr: NWSW Section: 21 Township: 7N Range: 66W Meridian: 6  
FNL/FSL FEL/FWLFootage at surface: Distance: 2376 feet Direction: FSL Distance: 1180 feet Direction: FWLAs Drilled Latitude: 40.559640 As Drilled Longitude: -104.788420

GPS Data:

Date of Measurement: 10/20/2013 PDOP Reading: 2.2 GPS Instrument Operator's Name: Holly L. Tracy  
FNL/FSL FEL/FWL\*\* If directional footage at Top of Prod. Zone Dist: 2280 feet Direction: FSL Dist: 1083 feet Direction: FWL  
Sec: 21 Twp: 7N Rng: 66W\*\* If directional footage at Bottom Hole Dist: 2138 feet Direction: FNL Dist: 1131 feet Direction: FWL  
Sec: 28 Twp: 7N Rng: 66WField Name: WATTENBERGField Number: 90750

Federal, Indian or State Lease Number: \_\_\_\_\_

Spud Date: (when the 1st bit hit the dirt) 07/26/2013 Date TD: 08/07/2013 Date Casing Set or D&A: 08/08/2013Rig Release Date: 08/10/2013 Per Rule 308A.b.

Well Classification:

☐ Dry ☒ Oil ☐ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ ObservationTotal Depth MD 12433 TVD\*\* 7443 Plug Back Total Depth MD 12426 TVD\*\* 7443Elevations GR 4963 KB 4978Digital Copies of ALL Logs must be Attached per Rule 308A ☒

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	938	840	0	938	VISU
1ST	8+3/4	7	26	0	7,891	645	1,450	7,891	CBL
1ST LINER	6+1/8	4+1/2	13.5	7762	12,430				

**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	3,912				
SUSSEX	4,458				
SHANNON	5,219				
SHARON SPRINGS	7,142				
NIOBRARA	7,233				
FORT HAYS	7,968				
CODELL	8,146				

## Operator Comments:

Spud date is correct on Form 5 and incorrect on COGCC's website.  
No open hole logs were run on this pad. APD was approved with no logging BMPs or exceptions.  
Well was drilled before November 2015 therefore no CBL .las is required.  
Corrections made on CBL by operator due to vendor losing large database files in a truck fire.  
TOC comments from our Engineer: 7" TOC, 11.2 lead with dropping amps in this area.

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

Signed: \_\_\_\_\_ Print Name: Cassie GonzalezTitle: Regulatory Technician Date: 10/16/2019 Email: Cassie.Gonzalez@pdce.com

### Attachment Check List

Att Doc Num	Document Name	attached ?
<u>Attachment Checklist</u>		
402134070	CMT Summary *	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
402134068	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>		
400491333	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
402133958	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
402133962	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
402134095	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
402141368	PDF-CBL 1ST RUN	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Permit review complete.	11/12/2019
Permit	Return to draft for AOC settlement.	09/06/2016
Permit	Date casing set is before date TD. Directional data is in wrong format. Asked operator to correct. Codell perfs on 5A are aboe the Codell top. WO confirmation of tops. Footages ok. Otherwise, ready to pass.	04/25/2014

Total: 3 comment(s)

