

**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:

400491329

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 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 05-123-37129-00County: WELDWell Name: ThorntonWell Number: 21R-403Location: QtrQtr: NWNE Section: 21 Township: 7N Range: 66W Meridian: 6  
FNL/FSL FEL/FWLFootage at surface: Distance: 410 feet Direction: FNL Distance: 1650 feet Direction: FELAs Drilled Latitude: 40.566690 As Drilled Longitude: -104.779420

GPS Data:

Date of Measurement: 10/20/2013 PDOP Reading: 2.5 GPS Instrument Operator's Name: Holly Tracy  
FNL/FSL FEL/FWL\*\* If directional footage at Top of Prod. Zone Dist: 810 feet Direction: FNL Dist: 1456 feet Direction: FEL  
Sec: 21 Twp: 7N Rng: 66W\*\* If directional footage at Bottom Hole Dist: 503 feet Direction: FSL Dist: 1544 feet Direction: FEL  
Sec: 21 Twp: 7N Rng: 66WField Name: WATTENBERGField Number: 90750

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

Spud Date: (when the 1st bit hit the dirt) 07/10/2013 Date TD: 07/23/2013 Date Casing Set or D&A: 07/24/2013Rig Release Date: 07/25/2013 Per Rule 308A.b.

Well Classification:

☐ Dry ☒ Oil ☐ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ ObservationTotal Depth MD 11997 TVD\*\* 7464 Plug Back Total Depth MD 11990 TVD\*\* 7464Elevations GR 4970 KB 4985Digital 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	926	830	0	931	VISU
1ST	8+3/4	7	26	0	7,902	664	110	7,902	CBL
1ST LINER	6+1/8	4+1/2	13.5	7749	11,994				

**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	3,933				
SUSSEX	4,467				
SHANNON	5,108				
SHARON SPRINGS	7,176				
NIOBRARA	7,263				
FORT HAYS	7,956				
CODELL	8,225				
CARLILE	8,855				

## Operator Comments:

MWD tool quit working prior to TD.  
No open hole logs were run on this pad. APD was approved with no logging BMPs or exceptions.  
Corrections made on CBL by operator due to vendor losing large database files in truck fire.  
TOC comments from our Engineer: 7" TOC picked at fluid level (11.2 lead) with 5 bbls returned and lower amps.

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: \_\_\_\_\_

Email: Cassie.Gonzalez@pdce.com

### Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
402134361	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
402134360	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>					
402134353	LAS-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402134354	PDF-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402134362	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402141452	PDF-CBL 1ST RUN	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
402189768	LAS-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	Return to draft for AOC settlement.	09/06/2016
Permit	Second request to opr.	04/22/2014
Permit	Date casing set is before TD. Missing formation tops above Codell. Missing PDF of mud log (should go to TD) Calculating 740 FNL for TPZ; 879 FSL for BHL	03/12/2014

Total: 3 comment(s)

