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Document Number:
400582243

Date Received:
04/01/2014

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

1. OGCC Operator Number: 69175 4. Contact Name: Christine Brookshire
 2. Name of Operator: PDC ENERGY INC Phone: (303) 860-5800
 3. Address: 1775 SHERMAN STREET - STE 3000 Fax: (303) 860-5838
 City: DENVER State: CO Zip: 80203

5. API Number 05-123-24269-00 6. County: WELD
 7. Well Name: HARVESTER Well Number: 31-15
 8. Location: QtrQtr: NWNE Section: 15 Township: 6N Range: 66W Meridian: 6
 Footage at surface: Distance: 850 feet Direction: FNL Distance: 1810 feet Direction: FEL
 As Drilled Latitude: 40.493420 As Drilled Longitude: -104.760750

GPS Data:
 Date of Measurement: _____ PDOP Reading: _____ GPS Instrument Operator's Name: _____

** If directional footage at Top of Prod. Zone Dist.: 850 feet. Direction: FNL Dist.: 1810 feet. Direction: FEL
 Sec: 15 Twp: 6N Rng: 66W
 ** If directional footage at Bottom Hole Dist.: 850 feet. Direction: FNL Dist.: 1810 feet. Direction: FEL
 Sec: 15 Twp: 6N Rng: 66W

9. Field Name: WATTENBERG 10. Field Number: 90750
 11. Federal, Indian or State Lease Number: _____

12. Spud Date: (when the 1st bit hit the dirt) 10/12/2006 13. Date TD: 10/15/2006 14. Date Casing Set or D&A: 10/15/2006

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

16. Total Depth MD 7443 TVD** 7443 17 Plug Back Total Depth MD 7421 TVD** 7421

18. Elevations GR 4810 KB 4821
 One paper copy of all electric and mud logs must be submitted, along with one digital LAS copy as available.

19. List Electric Logs Run:

20. Casing, Liner and Cement:

CASING

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
SURF	11	8+5/8	24	0	447	325	0	447	VISU
1ST	7+7/8	4+1/2	10.5	0	7,421	200	1,034	7,421	CBL

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: _____

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
1 INCH	SURF	912	650	0	906

Details of work:

3/20/2014 ITP 600 psi, ICP 600 psi, ISCP 0 psi, well was shut in, MIRU Bayou Rig 22, blow down well to the work tank, function test BOP, control well with 70 bbl of Claytreat/Biocide water, ND master valve and production tree, NU BOP, PU tag jts, tag with 3 jts 80 ft, LD tag jts, .MIRU Pick testers, POOH 2 3/8 production pipe to derrick, testing out, RD the tester, PU STS's 3 7/8 blade bit and 4 1/2 scraper, tally in the hole with production pipe, ran 227 jts down to 7267.90, TOOH to derrick, LD bit and scraper, PU STS's 4 1/2 TC RBP, ran 120 jts in the hole from the derrick, SI and secure well, drain pump and lines, SD. 3/20/2014

3/21/2014 ITP 0 psi, ICP 0 psi, ISCP 0 psi, finish running in the hole with production pipe from the derrick, set RBP at 6943.93 with 217 jts, LD 1 jt, circulated oil and gas out, pressure tested casing and plug up to 2000 psi, held good, pulled 60 jts out to the derrick, spotted 2 sacks of sand on top of the plug, TOOH to derrick and load the hole coming out, ND BOP and 3K well head, installed 4 1/2 frac valve on the casing, MIRU Pick testers, pressure tested casing up to 5000, held good for 15 min, unlanded the casing pulling 90k, NU cement flanges, XO equipment from 2 3/8 to 1 1/4, RIH with 1 1/4 CSHD pipe from the trailer with a mule shoe on bottom, tag cement at 920.30 with 30 jts, 8' in on jt 30, LD 1 jt, condition the hole with mud for 4 hrs at 912.30 with 29 jts, clean up pump and lines with water and drain them, LD 5 jts, SI and secure well, SD. 3/21/2014

3/22/2014 ICP 0 psi, ISCP 0 psi, open the well, PU 5 jts, MIRU Baker Hughes, held safety meeting, pressure tested lines up to 2000 psi, no leaks, started cement job with EOT at 912' with 29 jts, pump 10 BBL of claytreat down the 1 1/4 CSHD 3.2, 10 BBL of mud care, 5 BBL of claytreat and started pumping 15.8 class G cement, pumped 40 BBL and tubing got stuck, quit puming cement, work pipe and got it free, LD 7 jts, continue pumping cement at 691' with 22 jts, pump cement up to surface, pump total of 62 BBL, displace 1 BBL of water, LD 22 jts on the trailer, clean up equipment from cement, ND cement flanges, land casing back with 50K on the slips, NU 5K well head and BOP, drain pump and lines, SD. 3/22/2014

3/24/2014 "ICP 0 psi, ISCP 0 psi, MIRU Nabors wire line, PU logging tool, RIH with wire line, bond log cement from 1000' up to surface, RD wire line, PU STS's retrieving head, RIH with 2 3/8 production pipe from the derrick, land the tubing at 6875.70 KB with 215 jts in the hole, ND BOP, NU 5K top flange and master valve, SI and secure well, RDMOL, SD.

12 good jts left on location.

21. Formation log intervals and test zones:

FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analyses must be submitted to COGCC)
	Top	Bottom	DST	Cored	
			<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

CBL run. Waiting for hard copy & PDF.

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

Signed: _____ Print Name: Christine Brookshire

Title: Regulatory Tech Date: 4/1/2014 Email: christine.brookshire@pdce.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
Attachment Checklist			
400582373	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Directional Survey **	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	DST Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Logs	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Other	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Other Attachments			
400582243	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	CBL delivered to office. Corrected sx cement to 650 per operator. Ready to pass.	4/16/2014 10:15:17 AM
Permit	Missing CBL. Cement job summary says 650 sx cement vs 102 sx entered on the Remedial Cement tab.	4/9/2014 3:46:59 PM

Total: 2 comment(s)