

FORM
5Rev
02/08State of Colorado
Oil and Gas Conservation Commission

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DE ET OE ES

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:

Data 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 ? | |
|-----------------------------|-----------------------|---|--|
| <u>Attachment Checklist</u> | | | |
| 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"/> |
| <u>Other Attachments</u> | | | |
| 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)