

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

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Date Received:

07/24/2013

PluggingBond SuretyID

20090078

APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER _____
SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐

Refiling ☐

Sidetrack ☐

3. Name of Operator: PDC ENERGY INC

4. COGCC Operator Number: 69175

5. Address: 1775 SHERMAN STREET - STE 3000

City: DENVER State: CO Zip: 80203

6. Contact Name: Julie Webb Phone: (303)831-3933 Fax: ()

Email: julie.webb@pdce.com

7. Well Name: Gutttersen Well Number: 31Q-401

8. Unit Name (if appl): Unit Number:

9. Proposed Total Measured Depth: 11228

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 31 Twp: 3N Rng: 63W Meridian: 6

Latitude: 40.174870 Longitude: -104.478720

Footage at Surface: 75 feet FNL/FSL 2179 feet FEL/FWL
FSL FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4823 13. County: WELD

14. GPS Data:

Date of Measurement: 10/16/2012 PDOP Reading: 1.6 Instrument Operator's Name: Thomas G. Carlson

15. If well is ☐ Directional ☒ Horizontal (highly deviated) submit deviated drilling plan.

Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL
734 FSL 2448 FEL 500 FNL 2440 FEL
Sec: 31 Twp: 3N Rng: 63W Sec: 31 Twp: 3N Rng: 63W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No

17. Distance to the nearest building, public road, above ground utility or railroad: 5280 ft

18. Distance to nearest property line: 3357 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 445 ft

20. LEASE, SPACING AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
CODELL	CODL		320	GWA

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: _____

22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☒ Yes ☐ No Surface Surety ID#:

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☒ Yes ☐ No

23b. If 23 is No: ☐ Surface Owners Agreement Attached or ☐ \$25,000 Blanket Surface Bond ☐ \$2,000 Surface Bond ☐ \$5,000 Surface Bond

24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):

T3N-R63W Section 31: E2

25. Distance to Nearest Mineral Lease Line: 252 ft

26. Total Acres in Lease: 500

DRILLING PLANS AND PROCEDURES

27. Is H2S anticipated? ☐ Yes ☒ No If Yes, attach contingency plan.

28. Will salt sections be encountered during drilling? ☐ Yes ☒ No

29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling? ☐ Yes ☒ No

30. If questions 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? ☐ Yes ☒ No

31. Mud disposal: ☒ Offsite ☐ Onsite

If 28, 29, or 30 are "Yes" a pit permit may be required.

Method: ☐ Land Farming ☒ Land Spreading ☐ Disposal Facility Other: _____

Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
SURF	12+1/4	9+5/8	36	0	875	830	875	0
1ST	8+3/4	7	26	0	7375	650	7375	500
1ST LINER	6+1/8	4+1/2	11.6	6067	11228			

32. BOP Equipment Type: ☐ Annular Preventer ☒ Double Ram ☐ Rotating Head ☐ None

33. Comments 7" casing string will be cemented to at least 200' above Niobrara, around 500' from surface. CBL will only be run in the vertical section of the wellbore. Conductor casing will not be used. Operator requests an exception location per rule 318Aa and rule 318Ac: well will not be drilled in a legal drilling window or twinned with an existing well. Waivers attached. Per rule 318Ae, the Operator requests the proposed spacing unit consisting of 320 acres, E2W2 and W2E2 of Sec. 31 T3N R63W. Proposed spacing unit map and 30-day certificate is attached. Used the anti-collision report to find distance to the nearest well- Guttersen 33-31.

34. Location ID: _____

35. Is this application in a Comprehensive Drilling Plan ? ☐ Yes ☐ No

36. Is this application part of submitted Oil and Gas Location Assessment ? ☒ Yes ☐ No

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

Signed: _____ Print Name: Julie Webb

Title: Regulatory Analyst Date: 7/24/2013 Email: julie.webb@pdce.com

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: _____ Director of COGCC Date: _____

API NUMBER

05

Permit Number: _____ Expiration Date: _____

CONDITIONS OF APPROVAL, IF ANY:

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

Description

Operator must meet water well testing requirements per Rule 318A.

- 1) Provide 48 hour notice prior to spud via electronic Form 42.
- 2) Provide cement coverage to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Operator acknowledges the proximity of the following wells: (123-11572, Cuykendall #1-31). Operator agrees to: provide mitigation option 1, 2 or 3 (per the DJ Basin Horizontal Offset Policy) to mitigate the situation, ensure all applicable documentation is submitted based on the selected mitigation option chosen, and submit a Form 42 ("OTHER – AS SPECIFIED BY PERMIT CONDITION") stating what appropriate mitigation occurred and that it has been completed, prior to the hydraulic stimulation of this well.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
2167488	EXCEPTION LOC WIAVERS
400436345	PLAT
400436346	DEVIATED DRILLING PLAN
400436348	DIRECTIONAL DATA
400436354	PROPOSED SPACING UNIT
400454494	OFFSET WELL EVALUATION
400454498	EXCEPTION LOC REQUEST
400454503	30 DAY NOTICE LETTER
400454505	EXCEPTION LOC WAIVERS

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Attached Exception location waiver as per opr. Final review complete.	10/7/2013 10:21:20 AM
Permit	Requested 318Ac waiver from opr.	9/26/2013 9:54:19 AM
Engineer	Operator (Julie.Webb@pdce.com) responded that PDC has decided to go with option 2 and plug the well (123-11572, Cuykendall #1-31). Removed Hold.	9/11/2013 1:57:10 PM
Permit	Operator requested the change on the TOP in east/west direction.	8/14/2013 1:05:35 PM
Permit	Requested review of the TOP footage in east/west direction. About 300' short.	8/14/2013 11:07:35 AM
Engineer	On Hold - Wells within 1500' of the proposed directional plan lack adequate formation isolation: Existing wells of concern: 123-11572, Cuykendall #1-31, PR, Remedial cement to cover Fox Hills was required on Form 2 #1754116 - to recompleat Codell but no record of this work being completed has been received yet, production still showing J-sand only. Emailed operator rep: julie.webb@pdce.com, cc: davedillon@pdce.com, 8/8/13	8/8/2013 11:01:11 AM
Permit	This form has passed completeness.	7/25/2013 10:03:53 AM

Total: 7 comment(s)

Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>