

FORM  
2

Rev  
12/05

# 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:

400436359

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: Guttersen Well Number: 31T-201

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

9. Proposed Total Measured Depth: 11094

## WELL LOCATION INFORMATION

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

Latitude: 40.174870 Longitude: -104.478390

Footage at Surface: 75 feet FSL 2089 feet 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 \_\_\_\_\_  
822 FSL 1504 FEL 500 FNL 1495 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): 497 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.)
NIOBRARA	NBRR		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: 500 ft 26. Total Acres in Lease: 320

### 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	5933	650	5933	500
1ST LINER	6+1/8	4+1/2	11.6	5933	11094			

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, E2 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- Cuykendall 1-31.

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

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: Matthew Lee Director of COGCC Date: 10/17/2013

API NUMBER: 05 123 38302 00 Permit Number: \_\_\_\_\_ Expiration Date: 10/16/2015

#### 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**

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

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**

<b>Att Doc Num</b>	<b>Name</b>
2167485	EXCEPTION LOC WAIVERS
400436374	PLAT
400436377	DEVIATED DRILLING PLAN
400436378	DIRECTIONAL DATA
400436388	PROPOSED SPACING UNIT
400454515	OFFSET WELL EVALUATION
400454517	EXCEPTION LOC REQUEST
400454520	EXCEPTION LOC WAIVERS
400454522	30 DAY NOTICE LETTER

Total Attach: 9 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Permit	Final Review Completed. No LGD or public comment received.	10/15/2013 2:21:14 PM
Permit	Attached Exception location waiver as per opr.	10/7/2013 10:12:47 AM
Permit	Requested 318Ac waiver from opr.	9/26/2013 9:54:31 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 1:51:41 PM
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 recomplete 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 11:03:21 AM
Permit	This form has passed completeness.	7/25/2013 10:05:31 AM

Total: 6 comment(s)

## Best Management Practices

**No BMP/COA Type**

**Description**

|--|--|--|