

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:

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Date Received:

11/16/2012

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: Liz Lindow Phone: (303)831-3974 Fax: ()

Email: liz.lindow@pdce.com

7. Well Name: Leffler Well Number: 34-1CH

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

9. Proposed Total Measured Depth: 11497

WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 1 Twp: 6N Rng: 66W Meridian: 6

Latitude: 40.510820 Longitude: -104.733530

Footage at Surface: 234 feet FSL 385 feet FWL

11. Field Name: Eaton Field Number: 19350

12. Ground Elevation: 4815 13. County: WELD

14. GPS Data:

Date of Measurement: 07/18/2012 PDOP Reading: 2.9 Instrument Operator's Name: Adam Kelly

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
526 FSL 1090 FWL 2148 FSL 500 FEL
Sec: 1 Twp: 6N Rng: 66W Sec: 1 Twp: 6N Rng: 66W

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: 225 ft

18. Distance to nearest property line: 234 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 326 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		280	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#: 19990086

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):

See attached mineral lease map.

25. Distance to Nearest Mineral Lease Line: 0 ft

26. Total Acres in Lease: 335

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	730	875	0
1ST	8+3/4	7	26	0	7,809	650	7,809	600
1ST LINER	6+1/8	4+1/2	11.6	6486	11,497			

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

33. Comments 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. Waviers attached. Per rule 318Ae, the Operator requests the proposed spacing unit consisting of 280 acres, SE/4, E/2SW/4, and SW/4SW/4 of Sec 1 T6N R66W. Proposed spacing unit map and 30-day certificate is attached.

34. Location ID: 425284

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: Liz Lindow

Title: Regulatory Analyst Date: 11/16/2012 Email: liz.lindow@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: 12/20/2012

API NUMBER

05 123 36440 00

Permit Number: _____ Expiration Date: 12/19/2014

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.

Operator must meet Water Well Testing requirements as per amended Rule 318Ae(4)

1)Provide notice of MIRU via an electronic Form 42.

2)Comply with Rule 317.i and provide cement coverage from the 7" casing TD to a minimum of 200' above the Niobrara. Verify coverage with a cement bond log.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

Att Doc Num	Name
1699219	PROPOSED SPACING UNIT
2481943	SURFACE CASING CHECK
400319064	FORM 2 SUBMITTED
400319090	WELL LOCATION PLAT
400319091	DEVIATED DRILLING PLAN
400319092	DIRECTIONAL DATA
400347599	MINERAL LEASE MAP
400347602	EXCEPTION LOC REQUEST
400349502	EXCEPTION LOC WAIVERS

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Completed. No LGD or public comment received.	12/19/2012 9:11:18 AM
Permit	Attached proposed spacing unit as per opr. Ready to pass pending public comment 12/14/12.	12/5/2012 4:24:10 PM
Permit	Operator requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Request and waivers attached. Horizontal wellbore crosses lease line. Distance to nearest lease line is 0 feet, distance to nearest unit/pooling boundary is 500 feet. Proposed spacing and 30 day cert letter are not attached. Opr notified. Form on hold.	12/3/2012 9:04:18 AM
Engineer	Evaluated offset wells for adequate cement coverage.	11/26/2012 10:14:17 AM
Permit	operator corrected BHL to correlate with plat and amended exception location waiver to indicate correct qtrqtr, SWSW. This form passed completeness.	11/23/2012 3:56:48 PM
Permit	Return to draft: 1. question no. 15, submitted BHL 500' FWL, does not match well location plat BHL 500' FEL, 2. exception location waiver lat/long information indicates location surface in NESE, which does not match submitted form lat/long, COGIS mapping and plat surface location in SWSW.	11/22/2012 10:23:15 PM

Total: 6 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)