

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:

400445568

Date Received:

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

PluggingBond SuretyID

20090078

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: Ram Land Well Number: 30G-303

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

9. Proposed Total Measured Depth: 11728

WELL LOCATION INFORMATION

10. QtrQtr: NWSW Sec: 30 Twp: 4N Rng: 66W Meridian: 6

Latitude: 40.282170 Longitude: -104.825650

Footage at Surface: 2487 feet FNL/FSL FSL 1151 feet FEL/FWL FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4758 13. County: WELD

14. GPS Data:

Date of Measurement: 06/07/2013 PDOP Reading: 2.1 Instrument Operator's Name: Wyatt Hall

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

Footage at Top of Prod Zone: FNL/FSL 1840 FSL 110 FWL 110 Bottom Hole: FNL/FSL 2158 FNL 120 FWL 120
Sec: 30 Twp: 4N Rng: 66W Sec: 31 Twp: 4N 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: 839 ft

18. Distance to nearest property line: 175 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 352 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):

A portion of the NWSW of Sec 30 T4N R66W. Horizontal wellbore crosses multiple lease lines in drilling and spacing unit. Distance to mineral lease line is 0'. Distance to unit boundary is 500'.

25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 35

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	6,524	650	6,524	500
1ST LINER	6+1/8	4+1/2	11.6	7734	11,728			

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, W2SW of Sec. 30, E2SE of Sec. 25, W2NW of Sec. 31, E2NE of Sec 36 T4N R66W. Proposed spacing unit map and 30-day certificate is attached. Distance to nearest well measured to Lair 2. Please see the Anti-Collision Report in the Deviated Drilling plan for details.

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: _____ 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.

Date retrieval failed for the subreport 'IntBeliev_NTC' located at: \\Westpub\Net\Reports\believ_etc.rdl. Please check th

Attachment Check List

Att Doc Num	Name
400449265	DIRECTIONAL DATA
400449267	DEVIATED DRILLING PLAN
400449269	PLAT
400449278	30 DAY NOTICE LETTER
400449280	EXCEPTION LOC WAIVERS
400449304	EXCEPTION LOC REQUEST
400449376	PROPOSED SPACING UNIT
400452580	OFFSET WELL EVALUATION

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

BMP

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

Total: 0 comment(s)