

FORM
2Rev
12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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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 ☐

Document Number:

400218478

PluggingBond SuretyID

20090078

3. Name of Operator: PETROLEUM DEVELOPMENT CORPORATION

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: llindow@petd.com

7. Well Name: Anderson Well Number: 31-10H

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

9. Proposed Total Measured Depth: 11696

WELL LOCATION INFORMATION

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

Latitude: 40.506800 Longitude: -104.763130

Footage at Surface: 1203 feet FNL/FSL 2498 feet FEL/FWL
FNL FEL

11. Field Name: Eaton Field Number: 19350

12. Ground Elevation: 4885 13. County: WELD

14. GPS Data:

Date of Measurement: 10/15/2011 PDOP Reading: 1.4 Instrument Operator's Name: Thomas 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
1449 FNL 1860 FEL 1450 FNL 2178 FWL
Sec: 10 Twp: 6N Rng: 66W Sec: 11 Twp: 6N Rng: 186
016. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No

17. Distance to the nearest building, public road, above ground utility or railroad: 1185 ft

18. Distance to nearest property line: 185 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 918 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	407-87	320	GWA

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: _____22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. 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 ☐ No23b. 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):

T6N R66W: Sec 11 - S2NW, Sec 10 - NE/4

25. Distance to Nearest Mineral Lease Line: 123 ft

26. Total Acres in Lease: 240

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	159	875	0
1ST	8+3/4	7	26	0	7,657	809	7,657	600
1ST LINER	6+1/8	4+1/2	11.6	6448	11,696			

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. Waivers attached. Operator requests the proposed spacing unit consisting of the NE/4 of Section 10 and NW/4 of Section 11 of T6N R66W, 6th PM. Proposed spacing unit map and 30-day certificate attached.

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: Liz Lindow

Title: Permit Representative Date: 11/18/2011 Email: llindow@petd.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: David S. Nesline Director of COGCC Date: 12/27/2011

API NUMBER

05 123 34870 00

Permit Number: _____ Expiration Date: 12/26/2013

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.

- 1) Provide 24 hour notice of MIRU to Jim Precup via e-mail at jim.precup@state.co.us.
- 2) Comply with Rule 317.i and provide cement coverage from the end of the production casing to a minimum of 200' above the Niobrara. Verify coverage with a cement bond log.
- 3) Comply with Rule 321. Run and submit Directional Survey from the end of production casing to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Requires water sampling COA.

Attachment Check List

Att Doc Num	Name
2481307	SURFACE CASING CHECK
400218478	FORM 2 SUBMITTED
400218494	WELL LOCATION PLAT
400218495	TOPO MAP
400225639	EXCEPTION LOC WAIVERS
400225644	EXCEPTION LOC REQUEST
400225645	PROPOSED SPACING UNIT
400225646	DEVIATED DRILLING PLAN
400225647	30 DAY NOTICE LETTER

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review complete.	12/23/2011 9:58:55 AM
Permit	The only well within 300' is a AL belonging to PDC. They are aware of well. No BMP provided. Ready to pass penidng public comment of the 2A 12/21/11.	12/6/2011 10:59:09 AM
Permit	Requested update on BMP.	11/29/2011 3:13:13 PM
Permit	On hold for Horizontal Wellbore Fracing Stimulation BMP, & Anti-collision BMP. Also, 2A has not been submitted.	11/21/2011 2:06:49 PM

Total: 4 comment(s)

BMP

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

Total: 0 comment(s)