

FORM

2

Rev
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 ZONE ☒ COMMINGLE ZONE ☐

 Refiling ☐
 Sidetrack ☐

Document Number:

400088250

Plugging Bond Surety

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: Kelly Huffman Phone: (303)831-3974 Fax: (303)860-5838

Email: khuffman@petd.com

7. Well Name: Carlson Well Number: 13-2D

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

9. Proposed Total Measured Depth: 7658

WELL LOCATION INFORMATION

10. QtrQtr: SENW Sec: 2 Twp: 6N Rng: 66W Meridian: 6

Latitude: 40.517620 Longitude: -104.749140

 Footage at Surface: 2424 FNL/FSL 1617 FEL/FWL
 FNL FWL

11. Field Name: Eaton Field Number: 19350

12. Ground Elevation: 4875 13. County: WELD

14. GPS Data:

Date of Measurement: 08/09/2010 PDOP Reading: 6.0 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
 1971 FSL 666 FWL 1971 FSL 666 FWL
 Sec: 2 Twp: 6N Rng: 66W Sec: 2 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: 911 ft

18. Distance to nearest property line: 101 ft 19. Distance to nearest well permitted/completed in the same formation: 1075 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 Codell	NB-CD	407-87	80	W/2SE/4

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 Bon ☐ \$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):

Township 6 North, Range 66 West, 6th P M Section 2: W/2NW/4, LESS AND EXCEPT a tract of land being a portion of the NW/4 of Section 2 described as follows: Assuming the West line of the NW/4 as bearing South 05 degrees 33'56" East with all other bearing relative thereto; Commencing at the West quarter corner of Section 2 thence North 89 degrees 02'34" East on the East-West center line of said Section 2 a distance of 30.10 feet to the Point of Beginning, said point being on the Easterly right of way line of Weld County Road 33; thence North 05 degrees 33'56" West on said Easterly right of way line a distance of 450 feet; thence North 89 degrees 02'34" East parallel with said East-West centerline a distance of 194.23 feet; thence South 05 degrees 33'56" East parallel with said Easterly right of way line a distance of 450 feet to said East-West centerline; thence South 89 degrees 02' 34" West a distance of 194.23 feet to the Point of Beginning, also known as Subdivision Exemption No. 990 according to the plat recorded August 20, 2003 as Reception No.3097961. (and lands in other sections)

25. Distance to Nearest Mineral Lease Line: 93 ft 26. Total Acres in Lease: 198

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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☐ No If 28, 29, or 30 are "Yes" a pit permit may be required.

31. Mud disposal: ☐ Offsite ☒ Onsite

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	12+1/4	8+5/8	24	650	500	650	0
1ST	7+7/8	4+1/2	10.5	7,658	525	7,658	0

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

33. Comments Conductor casing will not be used. The Anderson 2AD, 2GD, 2K and the Carlson 13-2D will all be drilled from the same pad. The wells will be tied into the tank battery facility located on site approximately 104' to the SE.

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: Kelly Huffman

Title: Contract Land Tech Date: _____ Email: khuffman@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: _____ Director of COGCC Date: _____

Date Run: 8/30/2010 Doc [#400088250] Well Name: Carlson 13-2D

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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.

Attachment Check List

Att Doc Num	Name	Doc Description
400088265	EXCEPTION LOC WAIVERS	Anderson NW-2 PLW, Carlson.pdf
400088267	EXCEPTION LOC WAIVERS	Anderson NW-2 SLW.pdf
400088268	EXCEPTION LOC REQUEST	Anderson SENW-2 PLW Letter to Dir. - PDC.pdf
400088269	EXCEPTION LOC REQUEST	Anderson SENW-2 SLW Letter to Director.pdf
400088270	DEVIATED DRILLING PLAN	Carlson 13-2D Deviated Drilling Plan.pdf
400088271	PLAT	Carlson 13-2D Plat.pdf
400088862	30 DAY NOTICE LETTER	Anderson SENW-2 30-day notice.pdf

Total Attach: 7 Files