

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:

400078222

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: 14-2D

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

9. Proposed Total Measured Depth: 7851

WELL LOCATION INFORMATION

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

Latitude: 40.511750 Longitude: -104.745010

Footage at Surface: 584 FNL/FSL FSL 2575 FEL/FWL FWL

11. Field Name: Eaton Field Number: 19350

12. Ground Elevation: 4850 13. County: WELD

14. GPS Data:

Date of Measurement: 06/16/2010 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
 657 FSL 668 FWL 657 FSL 668 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: 386 ft

18. Distance to nearest property line: 100 ft 19. Distance to nearest well permitted/completed in the same formation: 740 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/2SW/4
Sussex Shannon	SX-SN	N/A	80	W/2SW/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#: 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 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: SW/4, except Lot A of Recorded Exemption No. 0805-2-3-RE-1502 and except Lot A of Recorded Exemption No. 0805-02-3-re-3813; Section 2: That part of the S/2SW/4 described as Lot A of Recorded Exemption No. 0805-2-3-RE-1502

25. Distance to Nearest Mineral Lease Line: 100 ft 26. Total Acres in Lease: 159

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	390	650	0
1ST	7+7/8	4+1/2	10.5	7,851	251	7,851	6,451

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

33. Comments Conductor casing will not be used. The Carlson 14-2D will be drilled from the same pad as the Carlson 24-2D. The well will be tied into a tank battery facility located in the NESW which will also service to Carlson 2BD, 2PD, 2OD and 23-2D.

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: _____

Permit Number: _____ Expiration Date: _____

API NUMBER

05

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
400078227	PLAT	Carlson 14-2D Plat.pdf
400078228	TOPO MAP	Carlson 14-2D Topo.pdf
400078229	DEVIATED DRILLING PLAN	Carlson 14-2D Deviated Drilling Plan.pdf
400078230	EXCEPTION LOC WAIVERS	Carlson SESW-2 PLW.pdf
400078233	EXCEPTION LOC WAIVERS	Carlson SESW-2 SLW.pdf
400078234	30 DAY NOTICE LETTER	Carlson NESW-2 & SESW-2 Pads 30-day notice.pdf
400078239	EXCEPTION LOC REQUEST	Carlson SESW-2 Property Line Waiver Letter to Dir. - PDC.pdf
400078240	EXCEPTION LOC REQUEST	Carlson SESW-2 SLW Letter to Director.pdf

Total Attach: 8 Files