

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:

400064020

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: Chesnut Well Number: 22BD

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

9. Proposed Total Measured Depth: 6996

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 22 Twp: 5N Rng: 64W Meridian: 6

Latitude: 40.383760 Longitude: -104.536830

 Footage at Surface: 2259 FNL/FSL 2379 FEL/FWL
 FSL FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4600 13. County: WELD

14. GPS Data:

Date of Measurement: 04/08/2010 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
 2630 FSL 2637 FWL 2630 FSL 2637 FWL
 Sec: 22 Twp: 5N Rng: 64W Sec: 22 Twp: 5N Rng: 64W
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: 233 ft

18. Distance to nearest property line: 185 ft 19. Distance to nearest well permitted/completed in the same formation: 400 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	NBCD	407-87	160	SW/4
Sussex Shannon	SXSN	N/A	160	SW/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 5 North, Range 64 West, 6th P.M., Section 22: E/2SW/4

25. Distance to Nearest Mineral Lease Line: 262 ft 26. Total Acres in Lease: 80

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	0	650
S.C. 1.1	7+7/8	4+1/2	10.5	6,996	110	6,996	5,596

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

33. Comments Conductor casing will not be used. The Chesnut 22BD will be drilled from the same pad as the Chesnut 22KD, 22OD, and 22PD. The well will be tied into an existing tank battery facility which currently services the Chesnut 22-23 and 22-24 wells.

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 Technician 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: _____

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
400064028	PLAT	Chesnut 22BD, Plat.pdf
400064030	TOPO MAP	Chesnut 22BD, TOPO.pdf
400067521	EXCEPTION LOC REQUEST	ChesnutSW-22 SLW Request to Director.pdf
400067523	DEVIATED DRILLING PLAN	Chesnut 22OD Deviated Drilling Plan.pdf
400067524	UNIT CONFIGURATION MAP	Chesnut 22OD BHL Map.pdf
400067525	CORRESPONDENCE	Chesnut 22OD 20-Day 318Ae Certification to Dir.pdf
400070969	EXCEPTION LOC WAIVERS	Chesnut SLW and POA.pdf
400070970	30 DAY NOTICE LETTER	Chesnut Notice Letter 6-16.pdf

Total Attach: 8 Files