

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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Document Number:

400008402

Plugging Bond Surety

20090078

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 ☐

3. Name of Operator: PETROLEUM DEVELOPMENT CORPORATION

4. COGCC Operator Number: 69175

5. Address: 1775 SHERMAN STREET - SUITE 3000

City: DENVER State: CO Zip: 80203

6. Contact Name: Sarah Garrett Phone: (303)860-5800 Fax: (303)860-5838

Email: sgarrett@petd.com

7. Well Name: Cozzens Well Number: 90D

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

9. Proposed Total Measured Depth: 7429

WELL LOCATION INFORMATION

10. QtrQtr: SENW Sec: 9 Twp: 6N Rng: 65W Meridian: 6

Latitude: 40.500940 Longitude: -104.672360

 Footage at Surface: 2770 FNL/FSL 1593 FEL/FWL
 FNL FWL

11. Field Name: EATON Field Number: 19350

12. Ground Elevation: 4750 13. County: WELD

14. GPS Data:

Date of Measurement: 09/29/2009 PDOP Reading: 6.0 Instrument Operator's Name: Thomas G Carlson PLS 24657

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
 2698 FNL 2587 FWL 2698 FNL 2587 FWL
 Sec: 9 Twp: 6N Rng: 65W Sec: 9 Twp: 6N Rng: 65W
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: 1593

18. Distance to nearest property line: 49 19. Distance to nearest well permitted/completed in the same formation: 850

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	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#: 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):
E2, SW4, S2NW4, Sec. 9, T6N, R65W

25. Distance to Nearest Mineral Lease Line: 1361 26. Total Acres in Lease: 560

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	500	300	500	0
1ST	7+7/8	4+1/2	10.5	7,429	220	7,429	3,000

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

33. Comments PDC certifies that the land use and surface use have not changed from the original permit. The surface location has been moved, and the 9O is now the 9OD, being drilled directionally from the Cozzens B Multi-Well Pad, the location ID of which is the same as the Cozzens 9K well. The following wells are on the same pad: Cozzens 12-9D, 9AD, 22-9D, 9K, 13-9D, and 23-9D. The J-Sand has been removed. The location has not been built. Conductor casing will not be used.

34. Location ID: 333273

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: Sarah Garrett

Title: Landman Date: _____ Email: sgarrett@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

05 123 29770 00

CONDITIONS OF APPROVAL, IF ANY:**Attachment Check List**

Att Doc Num	Name	Doc Description
400008434	30 DAY NOTICE LETTER	30-Day Notice Cozzens 9OD.pdf
400008435	PLAT	Cozzens 9OD Plat 9-29-09.pdf
400008436	TOPO MAP	Cozzens 9OD Topo 9-29-09.pdf
400008438	CORRESPONDENCE	Cozzens 9OD 20-Day Letter & Certification.pdf
400008439	UNIT CONFIGURATION MAP	Cozzens 9OD BHL Map.pdf
400008440	EXCEPTION LOC WAIVERS	Cozzens 9OD Surf. Loc. Exc. Waiver.pdf
400008442	EXCEPTION LOC REQUEST	Cozzens 9OD Surf. Loc. Exc Request.pdf
400008443	EXCEPTION LOC WAIVERS	Cozzens 12-9D,22-9D,9AD,9OD Property Line Waiver.pdf
400008446	EXCEPTION LOC REQUEST	Cozzens B Multi-Well Pad PLW Request.pdf
400009503	DEVIATED DRILLING PLAN	PDC Cozzens 9OD Directional 10-6-09.pdf

Total Attach: 10 Files