

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:

400010205

Plugging Bond Surety

20090078

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: 8CD

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

9. Proposed Total Measured Depth: 7577

WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 8 Twp: 6N Rng: 65W Meridian: 6

Latitude: 40.507190 Longitude: -104.679570

Footage at Surface: 515 FNL/FSL FNL 454 FEL/FWL FEL

11. Field Name: EATON Field Number: 19350

12. Ground Elevation: 4780 13. County: WELD

14. GPS Data:

Date of Measurement: 07/23/2008 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 1379 FNL 1316 FEL 1379 FNL 1316 FEL
Sec: 8 Twp: 6N Rng: 65W Sec: 8 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: 437 ft

18. Distance to nearest property line: 454 ft 19. Distance to nearest well permitted/completed in the same formation: 1390 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	160	NE4
Sussex/Shannon	SX-SN	N/A	160	NE4

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):
Part of the NE/4, SEc. 8, T6N, R65W

25. Distance to Nearest Mineral Lease Line: 454 ft 26. Total Acres in Lease: 88

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	560	300	560	0
1ST	7+7/8	4+1/2	10.5	7,300	200	7,300	3,000

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

33. Comments Conductor casing will not be used. Well is on the same pad as the following: Cozzens 31-8D, 41-8, 42-8D, 8WD, and 8VD.

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: Sarah Garrett

Title: Landman Date: 10/20/2009 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: David S. Neslin Director of COGCC Date: 12/16/2009

API NUMBER

05 123 30910 00

Permit Number: _____ Expiration Date: 12/15/2011

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 Ed Binkley at 970-506-9834 or e-mail at ed.binkley@state.co.us 2) Set at least 560' of surface casing per Rule 317A, cement to surface. 3) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log. 4) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Attachment Check List

Att Doc Num	Name	Doc Description
2109233	SURFACE CASING CHECK	LF@2185808 2109233.00000
400010215	30 DAY NOTICE LETTER	LF@2167201 400010215
400010216	PLAT	LF@2167202 400010216
400010217	TOPO MAP	LF@2167203 400010217
400010219	DEVIATED DRILLING PLAN	LF@2167204 400010219
400010220	EXCEPTION LOC WAIVERS	LF@2167205 400010220
400010226	EXCEPTION LOC REQUEST	LF@2167206 400010226
400010229	CONSULT NOTICE	LF@2167207 400010229
400010793	FORM 2 SUBMITTED	LF@2167208 400010793

Total Attach: 9 Files