

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:
400009720
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: 31-8D

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

9. Proposed Total Measured Depth: 7663

WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 8 Twp: 6N Rng: 65W Meridian: 6
Latitude: 40.507250 Longitude: -104.679720

Footage at Surface: 504 FNL/FSL FNL 496 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 FNL 1984 FEL Bottom Hole: FNL/FSL FNL 1984 FEL
684 FNL 1984 FEL 684 FNL 1984 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: 479 ft

18. Distance to nearest property line: 496 ft 19. Distance to nearest well permitted/completed in the same formation: 1405 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	N/2NE4
Sussex/Shannon	SX-SN	N/A	80	N/2NE4

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: 496 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	7,400	200	7,400	3,000

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

33. Comments Conductor casing will not be used. Well will be on the same pad as the following: Cozzens 31-8D, 41-8, 8CD, 42-8D, 8WD, 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 30912 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
2109239	SURFACE CASING CHECK	LF@2185804 2109239.00000
400010168	30 DAY NOTICE LETTER	LF@2167181 400010168
400010169	PLAT	LF@2167182 400010169
400010170	DEVIATED DRILLING PLAN	LF@2167183 400010170
400010172	CONSULT NOTICE	LF@2167184 400010172
400010180	TOPO MAP	LF@2167185 400010180
400010790	FORM 2 SUBMITTED	LF@2167186 400010790

Total Attach: 7 Files