

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 ☐

Refilling ☐
Sidetrack ☐

Document Number:

1757960

Plugging Bond Surety

20010031

3. Name of Operator: PETROLEUM DEVELOPMENT CORPORATION

4. COGCC Operator Number: 69175

5. Address: PO BOX 26

City: BRIDGEPORT State: WV Zip: 26330

6. Contact Name: CARRIE EGGLESTON Phone: (303)860-5800 Fax: (303)860-5838

Email: CEGGLESTON@PETD.COM

7. Well Name: WELLS RANCH Well Number: 12D

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

9. Proposed Total Measured Depth: 6600

WELL LOCATION INFORMATION

10. QtrQtr: NESE Sec: 12 Twp: 5N Rng: 63W Meridian: 6

Latitude: 40.410600 Longitude: -104.380000

Footage at Surface: 1428 FNL/FSL FSL FEL/FWL 1255 FEL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4622 13. County: WELD

14. GPS Data:

Date of Measurement: 01/08/2009 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 _____

Sec: _____ Twp: _____ Rng: _____ Sec: _____ Twp: _____ Rng: _____

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: 1538 ft

18. Distance to nearest property line: 1428 ft 19. Distance to nearest well permitted/completed in the same formation: 1860 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.)
CODELL	CODL	407-87	160	SE4
NIOBRARA	NBRR	407-87	160	SE4

21. Mineral Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian Lease #: COC72477

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):
SE1/4, SEC. 12, T5N, R63W, 6TH PM

25. Distance to Nearest Mineral Lease Line: 1255 ft 26. Total Acres in Lease: 160

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	350	500	0
1ST	7+7/8	4+1/2	10.5	6,600	200	6,600	500

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

33. Comments NO CONDUCTOR CASING WILL BE USED. (PER PHONE WITH C. EGGLESTON)

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: JAMES R. SCHAFF

Title: VICE PRESIDENT LAND Date: 7/27/2009 Email: JSCHAFF@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. Nashin Director of COGCC Date: 10/20/2009

API NUMBER

05 123 30706 00

Permit Number: _____ Expiration Date: 10/19/2011

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 hr notice of spud to Ed Binkley at 970-506-9834 or e-mail at ed.binkley@state.co.us . 2) Set surface casing 500' minimum, per Rule 317d, cement to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC. 3) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log. 4) If dry hole, 40 sks cement 50' above Niobrara top, 50 sks cement ½ out, ½ in surface casing, 10 sks cement top of surface casing, cut 4' below GL, weld on plate, 5 sks cement in rat hole 5 sks cement in mouse hole. Restore surface location.

Attachment Check List

Att Doc Num	Name	Doc Description
1302954	SURFACE AGRMT/SURETY	LF@2110559 1302954
1757978	WELL LOCATION PLAT	LF@2110503 1757978
1757979	TOPO MAP	LF@2110557 1757979
1757980	MINERAL LEASE MAP	LF@2110556 1757980
1757981	SURFACE AGRMT/SURETY	LF@2110504 1757981
1757982	ACCESS ROAD MAP	LF@2110560 1757982
1757983	FED. DRILLING PERMIT	LF@2110505 1757983
400012551	APD ORIGINAL	LF@2110502 400012551

Total Attach: 8 Files