

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:

400071596

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: Noffsinger Well Number: 31-2D

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

9. Proposed Total Measured Depth: 7201

WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 2 Twp: 5N Rng: 65W Meridian: 6

Latitude: 40.432301 Longitude: -104.624994

Footage at Surface: 1033 FNL/FSL FNL 1170 FEL/FWL FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4647 13. County: WELD

14. GPS Data:

Date of Measurement: 05/03/2010 PDOP Reading: 2.2 Instrument Operator's Name: Jerry F. Harcek Jr.

15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 629 FNL 1983 FEL FEL Bottom Hole: FNL/FSL 629 FNL 1983 FEL FEL
Sec: 2 Twp: 5N Rng: 65W Sec: 2 Twp: 5N 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: 785 ft

18. Distance to nearest property line: 152 ft 19. Distance to nearest well permitted/completed in the same formation: 602 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	W/2NE/4
Sussex Shannon	SX-SN	n/a	80	W/2NE/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 Bond ☐ \$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 65 West, 6th P.M. Section 2: W/2NE/4; Township 5 North, Range 65 West, 6th P.M. Section 2: E/2NE/4, E/2SE/4 lying north of county road, excepting therefrom, however, a tract of 22 acres, more or less, described in the Final Decree of the District Court in Civil Action No. 11005 dated April 20, 1949, and recorded in Book 1223, Pages 589, 590 and 591 of the Weld County Records

25. Distance to Nearest Mineral Lease Line: 153 ft 26. Total Acres in Lease: 172

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	650	0
S.C. 1.1	7+7/8	4+1/2	10.5	7,201	144	7,201	5,801

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

33. Comments Conductor casing will not be used. The Noffsinger 31-2D will be drilled from the same pad as the Noffsinger 2C, 2RD, 32-2D, 2SD and 2VD wells. The well will be tied into an existing tank battery located at the Frudden #1 well. Operator requests approval of an exception location to rule 318Ac (twinning). Waiver attached. Validation error on API ending in 01. Correction made & operator notified. SF 6/25/10

34. Location ID: 333276

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 Tech Date: 6/23/2010 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: David S. Noshin Director of COGCC Date: 7/16/2010

API NUMBER Permit Number: _____ Expiration Date: 7/15/2012

05 123 29748 00

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 Bo Brown at 970-330-6085 or e-mail at bobrown@state.co.us
- 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Attachment Check List

Att Doc Num	Name	Doc Description
400071596	FORM 2 SUBMITTED	LF@2496799 400071596
400071609	TOPO MAP	LF@2496800 400071609
400071610	DEVIATED DRILLING PLAN	LF@2496801 400071610
400071611	PLAT	LF@2496802 400071611
400071614	EXCEPTION LOC REQUEST	LF@2496803 400071614
400071615	30 DAY NOTICE LETTER	LF@2496804 400071615
400071616	EXCEPTION LOC WAIVERS	LF@2496805 400071616

Total Attach: 7 Files