

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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| DE | ET | OE | ES |
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Document Number:

400073444

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 - 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: Rickards Well Number: 41-10H

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

9. Proposed Total Measured Depth: 10711

WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 10 Twp: 6N Rng: 61W Meridian: 6

Latitude: 40.509862 Longitude: -104.189252

Footage at Surface: 48 FNL/FSL FNL 990 FEL/FWL FEL

11. Field Name: Krieger Field Number: 47570

12. Ground Elevation: 4709 13. County: WELD

14. GPS Data:

Date of Measurement: 06/17/2010 PDOP Reading: 6.0 Instrument Operator's Name: Jerry R. Harcek

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

Footage at Top of Prod Zone: FNL/FSL 625 FNL 990 FEL 500 FSL 1020 FEL
Sec: 10 Twp: 6N Rng: 61W Sec: 10 Twp: 6N Rng: 61W

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: 1011 ft

18. Distance to nearest property line: 48 ft 19. Distance to nearest well permitted/completed in the same formation: 26400 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 | NBRR | 407-374 | 640 | ALL |

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 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 6N, Range 61W, 6th P.M., Section 10: W/2, NE/4, SE/4

25. Distance to Nearest Mineral Lease Line: 48 ft 26. Total Acres in Lease: 642

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 | 9+5/8 | 36 | 400 | 159 | 400 | 0 |
| 1ST | 8+3/4 | 7+0/0 | 26 | 6,539 | 809 | 6,539 | 600 |
| 1ST LINER | 6+1/8 | 4+1/2 | 11.6 | 10,321 | | | |

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

33. Comments Please note that the spacing order for a 640 acre unit for section 10 is pending. A verbal approval was received for Docket No. 1007-SP-21, Cause No. 407. Operator requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Waiver attached. Operator requests approval of a Rule 603.a.(2) exception location: Wellhead is to be located less than 150' from a property line. Waiver attached.

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: Kelly Huffman

Title: Contract Land Tech Date: 7/27/2010 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. Nesline Director of COGCC Date: 8/25/2010

Permit Number: _____ Expiration Date: 8/24/2012

API NUMBER

05 123 32076 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) Provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) 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 |
|-------------|------------------------|----------------------|
| 400073444 | FORM 2 SUBMITTED | LF@2513468 400073444 |
| 400073477 | PLAT | LF@2513469 400073477 |
| 400073478 | TOPO MAP | LF@2513470 400073478 |
| 400075274 | 30 DAY NOTICE LETTER | LF@2513471 400075274 |
| 400079544 | EXCEPTION LOC REQUEST | LF@2513472 400079544 |
| 400079545 | EXCEPTION LOC REQUEST | LF@2513473 400079545 |
| 400079628 | EXCEPTION LOC WAIVERS | LF@2513474 400079628 |
| 400079629 | EXCEPTION LOC WAIVERS | LF@2513475 400079629 |
| 400079656 | SURFACE AGRMT/SURETY | LF@2513476 400079656 |
| 400079657 | DEVIATED DRILLING PLAN | LF@2513477 400079657 |

Total Attach: 10 Files

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