

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:  
400073444  
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: 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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