

FORM  
2

Rev  
12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400140795

Date Received:

03/23/2012

PluggingBond SuretyID

20090078

APPLICATION FOR PERMIT TO:

1.  Drill,  Deepen,  Re-enter,  **Recomplete and Operate**

2. TYPE OF WELL

OIL  GAS  COALBED  OTHER \_\_\_\_\_  
SINGLE ZONE  MULTIPLE  COMMINGLE

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: Liz Lindow Phone: (303)831-3974 Fax: ( )

Email: llindow@petd.com

7. Well Name: Warren Well Number: 42-10M

8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

9. Proposed Total Measured Depth: 6890

WELL LOCATION INFORMATION

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

Latitude: 40.503280 Longitude: -104.187680

Footage at Surface: 2450 feet FNL 560 feet FEL

11. Field Name: Krieger Field Number: 47570

12. Ground Elevation: 4677 13. County: WELD

14. GPS Data:

Date of Measurement: 07/15/2010 PDOP Reading: 6.0 Instrument Operator's Name: Jerry F. Harcek

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: 559 ft

18. Distance to nearest property line: 200 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 21120 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		80	GWA
D-Sand	DSND		80	GWA
Fort Hays	FTHYS		80	GWA
Graneros	GRRS		80	GWA
Greenhorn	GRNHN		80	GWA
Niobrara	NBRR		80	GWA

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 6 North, Range 61West, Section 10: NE/4

25. Distance to Nearest Mineral Lease Line: 200 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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)?  Yes  No

31. Mud disposal:  Offsite  Onsite **If 28, 29, or 30 are "Yes" a pit permit may be required.**

Method:  Land Farming  Land Spreading  Disposal Facility Other: Closed loop

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	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
SURF	12+1/4	8+5/8	24	0	400	210	400	0
1ST	7+7/8	4+1/2	11.6	0	6,890	1,411	6,890	0

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

33. Comments Conductor casing will not be used. A form 2A is not required for this recompletion because no pit will be constructed and there will be no additional surface disturbance beyond the originally disturbed area. The proposed spacing unit for the objectives is the SENE and the NESE comprising 80 acres. A sundry with a current wellbore diagram has been mailed to the COGCC.

34. Location ID: 419154

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: Liz Lindow

Title: Permit Representative Date: 3/23/2012 Email: llindow@petd.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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:  Director of COGCC Date: 5/31/2012

Permit Number: \_\_\_\_\_ Expiration Date: 5/30/2014

**API NUMBER**  
05 123 32151 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.

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**Attachment Check List**

Att Doc Num	Name
2532423	PROPOSED SPACING UNIT
400140795	APD APPROVED
400140835	WELL LOCATION PLAT
400256368	30 DAY NOTICE LETTER
400291182	FORM 2 SUBMITTED

Total Attach: 5 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	No LGD or public comment received; final review completed.	5/29/2012 6:52:51 AM
Permit	PDC landman would like to do the 80 acre spacing unit. per Liz Lindow. Updated permit with spacing unit attachments	5/29/2012 6:42:00 AM
Permit	The proposed spacing unit attachments are for a 640 acre unit and the unit size on the objective tab list 320 acres. Should either be allowed since the lease is 160 acres. The section is spaced for two horizontal wells, however it doesn't space other formations for a 640 acre unit nor does it space verticle Niobrara wells in the GWA to 640 acres.	3/29/2012 8:13:51 AM
Permit	On hold - Should the proposed unit be a 320 or 640 when the lease is only the NE/4.	3/29/2012 8:11:11 AM
Permit	Changed GPS to as-drilled. Survey plat provided was the original planned location plat and GPS. The original was suppose to be a monitor well.	3/27/2012 7:13:21 AM

Total: 5 comment(s)

**BMP**

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)