

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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Document Number:

400066414

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: LAJCO Well Number: 17C

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

9. Proposed Total Measured Depth: 7400

WELL LOCATION INFORMATION

10. QtrQtr: SENE Sec: 17 Twp: 4N Rng: 67W Meridian: 6

Latitude: 40.316430 Longitude: -104.910030

Footage at Surface: 1369 FNL/FSL FNL 1150 FEL/FWL FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4790 13. County: WELD

14. GPS Data:

Date of Measurement: 04/16/2010 PDOP Reading: 1.2 Instrument Operator's Name: Michael Chad Dilka

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: 1010 ft

18. Distance to nearest property line: 939 ft 19. Distance to nearest well permitted/completed in the same formation: 693 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	160	NE/4
Sussex Shannon	SX-SN	n/a	160	NE/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 4 North, Range 67 West, 6th P.M. Section 17: All that part of the NE/4 lying North and West of the Great Western Railroad tracts, less & except a strip of land in the E/2 situated adjacent to the centerline of the section being 92.69 feet, more or less, on the North line and 151 feet, more or less, on the South line; That certain parcel of land situated in the NE/4 described in deed from Michael McLaughlin, et ux to the Northern Construction Company dated February 20, 1905 and recorded February 23, 1905 in Book 73, Page 282, Records of Weld County, Colorado; A strip of land in the NE/4 situate adjacent to the centerline of the section being 92.69 feet, more or less, on the North line and 151 feet, more or less, on the South line; That part of the NE/4 lying South and East of the Great Western Railroad right-of-way

25. Distance to Nearest Mineral Lease Line: 1150 ft 26. Total Acres in Lease: 542

### 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
1ST	7+7/8	4+1/2	10.5	7,400	177	7,400	6,000
S.C. 1.1	7+7/8	4+1/2	10.5	7,400	177	7,400	6,000

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

33. Comments Conductor casing will not be used. The LAJCO 17C will be drilled from the same pad as the LAJCO 17RD, 17SD, and 17VD wells. The well will be tied into a tank battery located at the site which will also service the Comings 17-3 and 17-4 wells. Please note that the LAJCO 17C SHL is being moved from the location of 1366' FNL, 1172' FEL, which was previously permitted, to 1369' FNL, 1150' FEL.

34. Location ID: 302671

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 Technician Date: 7/12/2010 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. Neslin Director of COGCC Date: 8/4/2010

**API NUMBER**

05 123 29578 00

Permit Number: \_\_\_\_\_

Expiration Date: 8/3/2012**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.

Diana Burn, P.E.

1) Provide 24 hour notice of MIRU to Bo Brown at 970-397-4124 or e-mail at bo.brown@state.co.us.

2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara and from 200' below Shannon to 200' above Sussex. Verify coverage with cement bond log.

**Attachment Check List**

Att Doc Num	Name	Doc Description
400066414	APD APPROVED	400066414.pdf
400066445	TOPO MAP	LF @ 2505908 400066445
400072176	30 DAY NOTICE LETTER	LF @ 2505909 400072176
400072178	PLAT	LF @ 2505910 400072178
400082404	FORM 2 SUBMITTED	LF @ 2505907 400082404

Total Attach: 5 Files

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