

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:

400066453

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: LAJCO Well Number: 17RD

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

9. Proposed Total Measured Depth: 7539

WELL LOCATION INFORMATION

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

Latitude: 40.316420 Longitude: -104.909950

Footage at Surface: 1373 FNL/FSL FNL 1129 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 Ditka

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

Footage at Top of Prod Zone: FNL/FSL 50 FNL 1243 FEL 50 FEL 1243 FEL
Sec: 17 Twp: 4N Rng: 67W Sec: 17 Twp: 4N Rng: 67W

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: 919 ft 19. Distance to nearest well permitted/completed in the same formation: 677 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	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#: 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: 50 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	7,539	200	7,539	6,139
S.C. 1.1	7+7/8	4+1/2	10.5	7,539	200	7,539	6,139

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

33. Comments Conductor casing will not be used. The LAJCO 17RD will be drilled from the same pad as the LAJCO 17C, 17SD, and 17ND. The well will be tied into a tank battery facility located at the well site which will also service the Comings 17-3 and 17-4 wells. Proposed GWA Spacing Unit: Sec 17: N2NE4 ; Sec 8: S2SE4 Petroleum Development Corporation requests approval of a Rule 318Ac exception location: Wellhead is to be located more than 50' from an existing well location.

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 31957 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.

- 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.
- 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
400066453	APD APPROVED	400066453.pdf
400073362	PLAT	LF@2505931 400073362
400073363	TOPO MAP	LF@2505932 400073363
400073364	PROPOSED SPACING UNIT	LF@2505933 400073364
400073365	30 DAY NOTICE LETTER	LF@2505934 400073365
400073366	EXCEPTION LOC WAIVERS	LF@2505935 400073366
400073368	EXCEPTION LOC REQUEST	LF@2505936 400073368
400073369	DEVIATED DRILLING PLAN	LF@2505937 400073369
400073372	PROPOSED SPACING UNIT	LF@2505938 400073372
400082406	FORM 2 SUBMITTED	LF@2505929 400082406

Total Attach: 10 Files

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