

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



DE ET OE ES

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:
400066463
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: 17SD

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

9. Proposed Total Measured Depth: 7519

WELL LOCATION INFORMATION

10. QtrQtr: SENE Sec: 17 Twp: 4N Rng: 67W Meridian: 6
Latitude: 40.316410 Longitude: -104.909870

Footage at Surface: 1376 FNL/FSL FNL 1107 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 FNL 1227 FEL FEL 2610 FNL 1227 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: 899 ft 19. Distance to nearest well permitted/completed in the same formation: 661 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 Bon \$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: 57 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 | 7,519 | 196 | 7,519 | 6,119 |
| S.C. 1.1 | 7+7/8 | 4+1/2 | 10.5 | 7,519 | 196 | 7,519 | 6,119 |

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

33. Comments Conductor casing will not be used. The LAJCO 17SD will be drilled from the same pad as the LAJCO 17C, 17RD 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: S/2NE, N/2SE. 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 31959 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 |
|-------------|------------------------|----------------------|
| 400066463 | APD APPROVED | 400066463.pdf |
| 400073388 | PLAT | LF@2505947 400073388 |
| 400073389 | TOPO MAP | LF@2505948 400073389 |
| 400073390 | DEVIATED DRILLING PLAN | LF@2505949 400073390 |
| 400073391 | CORRESPONDENCE | LF@2505950 400073391 |
| 400073392 | UNIT CONFIGURATION MAP | LF@2505951 400073392 |
| 400073393 | 30 DAY NOTICE LETTER | LF@2505952 400073393 |
| 400073394 | EXCEPTION LOC WAIVERS | LF@2505953 400073394 |
| 400073396 | EXCEPTION LOC REQUEST | LF@2505954 400073396 |
| 400082416 | FORM 2 SUBMITTED | LF@2505946 400082416 |

Total Attach: 10 Files

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