

**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:  
**400076055**

Plugging Bond Surety  
**200090078**

**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: Leffler Well Number: 2XD

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

9. Proposed Total Measured Depth: 7603

**WELL LOCATION INFORMATION**

10. QtrQtr: SESE Sec: 2 Twp: 6N Rng: 66W Meridian: 6  
Latitude: 40.512250 Longitude: -104.738060

Footage at Surface: 762 FSL 815 FEL

11. Field Name: Eaton Field Number: 19350

12. Ground Elevation: 4835 13. County: WELD

14. GPS Data:  
Date of Measurement: 06/23/2010 PDOP Reading: 6.0 Instrument Operator's Name: Thomas G. Carlson

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

1332 FSL 50 FEL 1332 FSL 50 FEL

Sec: 2 Twp: 6N Rng: 66W Sec: 2 Twp: 6N Rng: 66W

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: 687 ft

18. Distance to nearest property line: 749 ft 19. Distance to nearest well permitted/completed in the same formation: 50 ft

**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 6 North, Range 66 West, 6th P.M. Section 2: Lot A and B of Recorded Exemption No. 0805-2-4-RE-992, recorded April 24, 1987 in Book 1154 as Reception No. 2097111, being the SE/4 of Section 2, containing 160.033 acres, more or less (and lands in other sections)

25. Distance to Nearest Mineral Lease Line: 50 ft 26. Total Acres in Lease: 222

### 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	7,603	210	7,603	6,203

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

33. Comments Conductor casing will not be used. The Leffler 2XD will be drilled from the same pad as the Leffler 2TD. The Leffler 2XD will be twinning the Leffler 44-2 which is an existing well. The well will be tied into an existing tank battery facility which currently services the Leffler 43-2, 2D and 44-2 wells.

34. Location ID: 310074

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: \_\_\_\_\_ 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: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_  
 Permit Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

API NUMBER

05

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.

**Attachment Check List**

Att Doc Num	Name	Doc Description
400076059	30 DAY NOTICE LETTER	Leffler 2TD and 2XD 30 day notice.pdf
400076060	UNIT CONFIGURATION MAP	Leffler 2XD BHL Map.pdf
400076061	DEVIATED DRILLING PLAN	Leffler 2XD Deviated Drilling Plan.pdf
400076062	PLAT	Leffler 2XD Plat.pdf
400076063	TOPO MAP	Leffler 2XD Topo.pdf
400076065	CORRESPONDENCE	Leffler 2XD, 20-Day Letter to Dir.318Ae (100%).pdf

Total Attach: 6 Files