

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:
400074129
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

Refilling
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: 2SD

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

9. Proposed Total Measured Depth: 7622

WELL LOCATION INFORMATION

10. QtrQtr: NWSE Sec: 2 Twp: 6N Rng: 66W Meridian: 6
Latitude: 40.515700 Longitude: -104.743400

Footage at Surface: 2020 FSL 2173 FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4860 13. County: WELD

14. GPS Data:

Date of Measurement: 08/09/2010 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
2588 FSL 1326 FEL 2588 FSL 1326 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: 1935 ft

18. Distance to nearest property line: 482 ft 19. Distance to nearest well permitted/completed in the same formation: 50 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#: _____

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

25. Distance to Nearest Mineral Lease Line: 68 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 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	500	650	0
1ST	7+7/8	4+1/2	10.5	7,622	525	7,622	0

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

33. Comments Conductor casing will not be used. The Leffler 2SD will be twinning the Leffler 33-2, an existing well. The well will be tied into an existing tank battery facility located approximately 500' SW which currently services the Leffler 33-2, 34-2 and 2D wells. Proposed GWA unit configuration for NB-CD: N2SE & S2NE ;

34. Location ID: 310076

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: 8/25/2010 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: 10/5/2010

API NUMBER
05 123 32326 00

Permit Number: _____ Expiration Date: 10/4/2012

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 Ed Binkley at 970-506-9834 or e-mail at ed.binkley@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
2621976	PLAT	LF@2596518 2621976
400074129	FORM 2 SUBMITTED	LF@2531204 400074129
400074203	PROPOSED SPACING UNIT	LF@2531205 400074203
400087485	DEVIATED DRILLING PLAN	LF@2531206 400087485
400087486	PLAT	LF@2531207 400087486
400087487	PROPOSED SPACING UNIT	LF@2531208 400087487
400087597	30 DAY NOTICE LETTER	LF@2531209 400087597

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Uploaded new plat with corrected Latitude to application as attachment. Changed Latitude to be consistent with plat. Proposed location plots correctly. PVG	10/4/2010 10:35:29 AM
Permit	ON HOLD. Proposed location does not plot to twinned location. Latitude appears to be incorrect on application and on plat. Requested clarification from operator. PVG	9/21/2010 4:43:46 PM

Total: 2 comment(s)

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