

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:
400076493
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: Schaefer Well Number: 7TD

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

9. Proposed Total Measured Depth: 7576

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 7 Twp: 6N Rng: 66W Meridian: 6
 Latitude: 40.496360 Longitude: -104.813740

Footage at Surface: 549 FSL 610 FEL

11. Field Name: Antelope Field Number: 2600

12. Ground Elevation: 4830 13. County: WELD

14. GPS Data:

Date of Measurement: 05/01/2010 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
25 FSL 1446 FEL 25 FSL 1443 FEL
 Sec: 7 Twp: 6N Rng: 66W Sec: 7 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: 205 ft

18. Distance to nearest property line: 549 ft 19. Distance to nearest well permitted/completed in the same formation: 110 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 6 North, Range 66 West, 6th P M, Section 7: E/2

25. Distance to Nearest Mineral Lease Line: 25 ft 26. Total Acres in Lease: 330

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	7,576	206	7,576	6,176

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

33. Comments Conductor casing will not be used. The Schaefer 7TD will be drilled from the same pad as the Schaefer 43-7D, 7XD, 34-7D and 7DD. The Schaefer 43-7D will be twinning the Frye-Swanson #1, an existing well. The well will be tied into a tank battery facility located on site. Proposed GWA Unit Configuration: Sec 18: N2NE & Sec 7: S2SE ; Petroleum Development Corporation requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location.

34. Location ID: 319363

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: 8/3/2010 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: 8/26/2010

Permit Number: _____ Expiration Date: 8/25/2012

API NUMBER
05 123 32105 00

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 Sussex 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.

Operator must meet water well testing requirements as per Rule 318.A.e.(4) .

Attachment Check List

Att Doc Num	Name	Doc Description
400076493	FORM 2 SUBMITTED	LF@2516904 400076493
400076494	30 DAY NOTICE LETTER	LF@2516905 400076494
400076495	EXCEPTION LOC WAIVERS	LF@2516906 400076495
400076496	EXCEPTION LOC REQUEST	LF@2516907 400076496
400076497	UNIT CONFIGURATION MAP	LF@2516908 400076497
400076498	DEVIATED DRILLING PLAN	LF@2516909 400076498
400076499	PLAT	LF@2516910 400076499
400076500	TOPO MAP	LF@2516911 400076500
400076501	CORRESPONDENCE	LF@2516912 400076501

Total Attach: 9 Files

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