

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:

400076362

Plugging Bond Surety

20090078

3. Name of Operator: PETROLEUM DEVELOPMENT CORPORATION 4. COGCC Operator Number: 691755. Address: 1775 SHERMAN STREET - STE 3000City: DENVER State: CO Zip: 802036. Contact Name: Kelly Huffman Phone: (303)831-3974 Fax: (303)860-5838Email: khuffman@petd.com7. Well Name: Schaefer Well Number: 34-7D

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

9. Proposed Total Measured Depth: 7685

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 7 Twp: 6N Rng: 66W Meridian: 6Latitude: 40.496450 Longitude: -104.813740Footage at Surface: 581 FNL/FSL FSL 611 FEL/FWL FEL11. Field Name: Antelope Field Number: 260012. 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. Carlson15. If well is Directional Horizontal (highly deviated) **submit deviated drilling plan.**Footage at Top of Prod Zone: FNL/FSL 650 FSL 1973 FEL/FWL FEL Bottom Hole: FNL/FSL 650 FSL 1973 FEL/FWL FELSec: 7 Twp: 6N Rng: 66W Sec: 7 Twp: 6N Rng: 66W16. Is location in a high density area? (Rule 603b)? Yes No17. Distance to the nearest building, public road, above ground utility or railroad: 205 ft18. Distance to nearest property line: 581 ft 19. Distance to nearest well permitted/completed in the same formation: 88

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	80	W/2SE/4
Sussex Shannon	SX-SN	N/A	80	W/2SE/4

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: 581 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	7,685	224	7,685	6,285

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

33. Comments Conductor casing will not be used. The Schaefer 34-7D will be drilled from the same pad as the Schaefer 43-7D, 7XD, 7DD and 7TD. 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.

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: _____ 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: _____

API NUMBER 05	Permit Number: _____ Expiration Date: _____
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
400076481	30 DAY NOTICE LETTER	Schaefer 7 E2, 30-day notice.pdf
400076482	EXCEPTION LOC WAIVERS	Schaefer 7 E2, SLW.pdf
400076483	EXCEPTION LOC REQUEST	Schaefer 7-SESE SLW Letter to Director.pdf
400076484	DEVIATED DRILLING PLAN	Schaefer 34-7D Deviated Drilling Plan.pdf
400076485	PLAT	Schaefer 34-7D Plat, 6-30-10.pdf
400076487	TOPO MAP	Schaefer 34-7D Topo.pdf

Total Attach: 6 Files