

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:
400043611
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: 80207

6. Contact Name: Sarah Garrett Phone: (303)860-5803 Fax: (303)860-5838
Email: sgarrett@petd.com

7. Well Name: Ryland Well Number: 32-20D

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

9. Proposed Total Measured Depth: 7675

WELL LOCATION INFORMATION

10. QtrQtr: SENW Sec: 20 Twp: 4N Rng: 67W Meridian: 6
Latitude: 40.301840 Longitude: -104.915390

Footage at Surface: 1445 FNL 2128 FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4900 13. County: WELD

14. GPS Data:

Date of Measurement: 12/21/2009 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
1969 FNL 1827 FEL 1969 FNL 1827 FEL
Sec: 20 Twp: 4N Rng: 67W Sec: 20 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: 560 ft

18. Distance to nearest property line: 293 ft 19. Distance to nearest well permitted/completed in the same formation: 700 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	NBCD	407-87	80	S/2NE/4
Sussex Shannon	SXSN	N/A	80	S/2NE/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):
 Surface: NW/4 Sec. 20, T4N, R67W; Bottom Hole: E/2 Sec. 20, T4N, R67W

25. Distance to Nearest Mineral Lease Line: 293 ft 26. Total Acres in Lease: 611

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	450	270	450	0
S.C. 1.1	7+7/8	4+1/2	10.5	7,675	220	7,675	6,450

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

33. Comments Conductor casing will not be used. Well will be on the same pad as the following: Brown 20MD, Ryland 31-20D, Brown 20N, Brown 20AD, and Brown 20OD.

34. Location ID: _____

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: Sarah Garrett

Title: Landman Date: 3/29/2010 Email: sgarrett@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
400043612	PLAT	Ryland 32-20D Plat.pdf
400043613	TOPO MAP	Ryland 32-20D Topo.pdf
400043614	DEVIATED DRILLING PLAN	Ryland 32-20D Directional Plan.pdf
400045803	EXCEPTION LOC REQUEST	Ryland 32-20D SLW Letter to Director.pdf
400050747	30 DAY NOTICE LETTER	30-DAY - Brown 20ND, MD, 32-20D, 20OD, 20AD.pdf
400050748	EXCEPTION LOC WAIVERS	SLW - Brown 20ND, MD, 32-20D, 20OD, 20AD.pdf

Total Attach: 6 Files