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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  COMMINGLE

Refiling   
 Sidetrack

Document Number:  
 400229817  
 PluggingBond SuretyID  
 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: 80203  
 6. Contact Name: Jeff Glossa Phone: (303)831-3972 Fax: (303)5838  
 Email: jglossa@petd.com  
 7. Well Name: NHF Well Number: 42-21  
 8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_  
 9. Proposed Total Measured Depth: 7227

**WELL LOCATION INFORMATION**

10. QtrQtr: SENE Sec: 21 Twp: 5N Rng: 63W Meridian: 6  
 Latitude: 40.386860 Longitude: -104.433560  
 Footage at Surface: 1976 feet FNL 674 feet FEL  
 11. Field Name: Wattenberg Field Number: 90750  
 12. Ground Elevation: 4630 13. County: WELD

14. GPS Data:  
 Date of Measurement: 09/26/2007 PDOP Reading: 2.1 Instrument Operator's Name: Holly L. Tracy

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 \_\_\_\_\_  
 Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

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: 5280 ft  
 18. Distance to nearest property line: 1976 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1250 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.)
Codell	CODL		320	E/2
Graneros	GRRS		320	E/2
Greenhorn	GRNHN		320	E/2
Niobrara	NBRR		320	E/2

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 Bond  \$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):  
E/2 Sec 21 T5N R63W

25. Distance to Nearest Mineral Lease Line: 674 ft 26. Total Acres in Lease: 320

### 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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)?  Yes  No

31. Mud disposal:  Offsite  Onsite **If 28, 29, or 30 are "Yes" a pit permit may be required.**

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	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
SURF	12+1/4	8+5/8	24	0	404	205	404	0
1ST	7+7/8	4+1/2	10.5	0	7,214	430	7,214	2,777

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

33. Comments A Form 2A is not required for this recompletion because no pit will be constructed and there will be no additional surface disturbance beyond the originally disturbed area.

34. Location ID: 331723

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: Jeff Glossa

Title: Sr. Engineering Tech Date: 12/6/2011 Email: jglossa@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: 1/17/2012

<b>API NUMBER</b>
05 123 21184 00

Permit Number: \_\_\_\_\_ Expiration Date: 1/16/2014

**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 Mike Hickey at 970-302-1024 or e-mail Mike.Hickey@state.co.us  
 2) Due to WW Rcpts# 3616428A and 3629340B provide remedial cement from 550' up to 50' above the surface casing shoe. Verify coverage with cement bond log. Sundry notice accompanying this APD proposes to cement annulus from current TOC to surface.

**Attachment Check List**

Att Doc Num	Name
400229817	FORM 2 SUBMITTED

Total Attach: 1 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	No LGD or public comment received; final review completed.	1/4/2012 8:59:12 AM
Permit	Operator corrected SHL, plugging bond, and high density question. This form has passed completeness.	12/8/2011 10:13:17 AM
Permit	Returned to draft. Invalid plugging bond. SHL should be FNL. This location is high density?	12/8/2011 8:38:57 AM

Total: 3 comment(s)

**BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>

Total: 0 comment(s)