

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:
400229798
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)860-5838
 Email: jglossa@petd.com

7. Well Name: NHF Well Number: 33-21

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

9. Proposed Total Measured Depth: 7700

WELL LOCATION INFORMATION

10. QtrQtr: NWSE Sec: 21 Twp: 5N Rng: 63W Meridian: 6
 Latitude: 40.383170 Longitude: -104.437690

Footage at Surface: 1972 feet FSL 2022 feet FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4590 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: 1972 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1300 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.)
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: 620 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	396	205	396	0
1ST	7+7/8	4+1/2	10.5	0	7,432	630	7,432	2,500

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: 331721

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: 1/6/2012

API NUMBER
05 123 21182 00

Permit Number: _____ Expiration Date: 1/5/2014

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 510' 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
400229798	FORM 2 SUBMITTED

Total Attach: 1 Files

General Comments

User Group	Comment	Comment Date
Permit	No LGD or public comment received; final review completed.	1/4/2012 9:00:01 AM
Agency	Received diagrams	1/4/2012 8:59:45 AM
Permit	On hold - Waiting for wellbore diagram for the form 4 recompletion report.	12/8/2011 10:41:31 AM

Total: 3 comment(s)

BMP

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

Total: 0 comment(s)