

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



DE ET OE ES

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
FNL/FSL FEL/FWL

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

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	GRNH		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
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.

If 28, 29, or 30 are "Yes" a pit permit may be required.

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: jpglossa@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

API NUMBER

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

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
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

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

Total: 0 comment(s)