

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
Document Number: 400207052			
PluggingBond SuretyID 20090078			

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 ☐

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: Liz Lindow Phone: (303)831-3974 Fax: ()  
Email: llindow@petd.com  
7. Well Name: Rotharmel Well Number: 11-32H  
8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_  
9. Proposed Total Measured Depth: 11512

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 32 Twp: 7N Rng: 66W Meridian: 6  
Latitude: 40.534870 Longitude: -104.811990

Footage at Surface: 1220 feet FNL 215 feet FWL

11. Field Name: Eaton Field Number: 19350  
12. Ground Elevation: 4872 13. County: WELD

14. GPS Data:

Date of Measurement: 09/09/2011 PDOP Reading: 1.6 Instrument Operator's Name: Brian Brinkman

15. If well is ☐ Directional ☒ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: 1225 FNL 984 FWL 1320 FNL 500 FEL  
Sec: 32 Twp: 7N Rng: 66W Sec: 32 Twp: 7N Rng: 66W

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: 179 ft

18. Distance to nearest property line: 215 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 500 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	NBRR		320	N2

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):

N2 of Section 32 T7n R66W, except for lot B in the NW/4, consisting of 3.815 acres, see mineral lease map

25. Distance to Nearest Mineral Lease Line: 500 ft

26. Total Acres in Lease: 318

### 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: closed loop

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	9+5/8	32	0	930	159	930	0
1ST	8+3/4	7	26	0	7,633	809	7,633	600
1ST LINER	6+1/8	4+1/2	11.6	6428	11,512			

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

33. Comments Conductor casing will not be used. Operator requests approval of an exception location per rule 318Aa and rule 318Ac: Well will not be drilled in a legal drilling window and will not be twinned with an existing well. Waiver is attached. Operator requests approval of the proposed 320 acre spacing unit per rule 318Ae. 20-day certificate letter is attached. The Moody 41-32H was never built and the location will be abandoned.

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: Liz Lindow

Title: Permit Representative Date: 9/21/2011 Email: llindow@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. Nesline

Director of COGCC Date: 10/16/2011

#### API NUMBER

05 123 34546 00

Permit Number: \_\_\_\_\_ Expiration Date: 10/15/2013

#### 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.

Final review completed.

- 1)Note surface casing setting depth change from 875' to 930'. Increase cement coverage accordingly and cement to surface.
- 2)Provide 24 hour notice of MIRU to Jim Precup via e-mail at jim.precup@state.co.us.
- 3)Comply with Rule 317.i and provide cement coverage from the end of the production casing to a minimum of 200' above the Niobrara. Verify coverage with a cement bond log.
- 4)Comply with Rule 321. Run and submit Directional Survey from the end of production casing to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

### **Attachment Check List**

Att Doc Num	Name
2113055	EXCEPTION LOC REQUEST
2113056	MINERAL LEASE MAP
2481200	SURFACE CASING CHECK
400207052	FORM 2 SUBMITTED
400207073	30 DAY NOTICE LETTER
400207074	EXCEPTION LOC WAIVERS
400207076	WELL LOCATION PLAT
400207094	PROPOSED SPACING UNIT
400207196	DEVIATED DRILLING PLAN

Total Attach: 9 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Sundry rec'd and in our system. Ready to pass pending public comment 10/11/11	10/5/2011 3:59:19 PM
Permit	Rec'd & uploaded Mineral Lease Map and exception location request. On hold for sundry to abandon the Moody 41-32H and for public comment to end on 10/11/11.	9/26/2011 9:54:59 AM
Permit	On hold for opr to supply Mineral Lease Map, exception location request, and form 4 to abandon the Moody 41-32H, location and well. Approve under the old rules.	9/21/2011 4:43:51 PM
Permit	Returned to draft. Missing deviated drilling plan attachment. Proposed BHL should be FEL based on plat.	9/21/2011 12:01:40 PM

Total: 4 comment(s)

### **BMP**

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

Total: 0 comment(s)