

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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Document Number:

400148599

Plugging Bond Surety

20090078

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 ☐

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)590-8789 Fax: ()
Email: llindow@petd.com
7. Well Name: Green Well Number: 13-24H
8. Unit Name (if appl): _____ Unit Number: _____
9. Proposed Total Measured Depth: 11357

WELL LOCATION INFORMATION

10. QtrQtr: NWSW Sec: 24 Twp: 7N Rng: 65W Meridian: 6
Latitude: 40.556430 Longitude: -104.619660

Footage at Surface: 1488 feet FNL/FSL 230 feet FEL/FWL
FSL FWL

11. Field Name: Wattenberg Field Number: 90750
12. Ground Elevation: 4890 13. County: WELD

14. GPS Data:

Date of Measurement: 03/03/2011 PDOP Reading: 1.0 Instrument Operator's Name: Thomas Carlson

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

Footage at Top of Prod Zone: FNL/FSL 1393 FSL 100 FWL 1314 FSL 501 FEL
Bottom Hole: FNL/FSL 1314 FSL 501 FEL
Sec: 24 Twp: 7N Rng: 65W Sec: 24 Twp: 7N Rng: 65W

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: 215 ft

18. Distance to nearest property line: 200 ft 19. Distance to nearest well permitted/completed in the same formation: 676 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	S/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 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):
S/2 of Sec 24 T7S R65W 6th PM

25. Distance to Nearest Mineral Lease Line: _____ 501 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: 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	36	0	400	159	400	0
1ST	8+3/4	7	26	0	7,494	809	9,494	0
1ST LINER	6+1/8	4+1/2	11.6	6282	11,357			

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

33. Comments Conductor casing will not be used. Operator requests a location exception 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. Also, per Rule 318Ae, Operator requests approval of the proposed spacing unit consisting of the S2 of Sec 24 T7N R65W and certifies that it is the 100% lease holder of the unit. Waivers and proposed spacing unit map attached.

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: 5/4/2011 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: 5/29/2011

Permit Number: _____ Expiration Date: 5/28/2013

API NUMBER

05 123 33575 00

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)Note surface casing setting depth change from 400' to 650'. Increase cement coverage accordingly and cement to surface.
- 2)Provide 24 hour notice of MIRU to Bo Brown at 970-397-4124 or e-mail at bo.brown@state.co.us.
- 3)Comply with Rule 317.i and provide cement coverage from end of production casing to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4)Comply with Rule 321. Run and submit Directional Survey from 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
1771018	SURFACE CASING CHECK
400148599	FORM 2 SUBMITTED
400148615	WELL LOCATION PLAT
400148616	TOPO MAP
400148620	PROPOSED SPACING UNIT
400148621	PROPOSED SPACING UNIT
400148622	EXCEPTION LOC REQUEST
400161780	EXCEPTION LOC WAIVERS
400161782	DEVIATED DRILLING PLAN

Total Attach: 9 Files

General Comments

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

Total: 0 comment(s)

BMP

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

Total: 0 comment(s)