

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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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 ☐

Document Number:

400060835

Plugging Bond Surety

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: Kelly Huffman Phone: (303)831-3974 Fax: (303)860-5838

Email: khuffman@petd.com

7. Well Name: Bauer Debus Well Number: 22JD

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

9. Proposed Total Measured Depth: 7036

WELL LOCATION INFORMATION

10. QtrQtr: NENW Sec: 22 Twp: 5N Rng: 64W Meridian: 6

Latitude: 40.390440 Longitude: -104.538700

Footage at Surface: 610 FNL/FSL FNL 1882 FEL/FWL FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4575 13. County: WELD

14. GPS Data:

Date of Measurement: 04/08/2010 PDOP Reading: 6.0 Instrument Operator's Name: Thomas G. Carlson

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

Footage at Top of Prod Zone: FNL/FSL 25 FNL 1334 FWL FWL Bottom Hole: FNL/FSL 25 FNL 1334 FWL FWL
Sec: 22 Twp: 5N Rng: 64W Sec: 22 Twp: 5N Rng: 64W

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: 610 ft

18. Distance to nearest property line: 610 19. Distance to nearest well permitted/completed in the same formation: 144 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 Codell	NB-CD	407-87	160	GWA

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#: 19990086

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):
Please see attached lease map.

25. Distance to Nearest Mineral Lease Line: 25 ft 26. Total Acres in Lease: 117

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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☒ No If 28, 29, or 30 are "Yes" a pit permit may be required.

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.

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	12+1/4	8+5/8	24	650	390	650	0
1ST	7+7/8	4+1/2	10.5	7,036	117	7,036	5,636
S.C. 1.1	7+7/8	4+1/2	10.5	7,036	117	7,036	5,636

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

33. Comments Conductor casing will not be used. The Bauer Debus 22JD will be drilled from the same pad as the Bauer Debus 22MD, 22ND and 22AD. The well will be tied into the Bauer Debus tank battery which will be added to the existing tank battery facility located at the Joshua #1 well. Proposed spacing unit is N/2NW4 sec 22 and the S/2SW4 sec 15. Operator requests an exception location to rule 318Ac (twinning). Waiver 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: Kelly Huffman

Title: Contract Land Technician Date: 6/14/2010 Email: khuffman@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: 7/14/2010

API NUMBER

05 123 31869 00

Permit Number: _____ Expiration Date: 7/13/2012

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.

COGCC ENG COA - SME

- 1) Provide 24 hr notice of spud to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us .
- 2) Set surface casing per Rule 317d, cement to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC.
- 3) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4) Comply with Rule 321. Run and submit Directional Survey from TD 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	Doc Description
1725965	SURFACE CASING CHECK	LF@2497695 1725965
400060835	FORM 2 SUBMITTED	LF@2491065 400060835
400060840	WELL LOCATION PLAT	LF@2491066 400060840
400060841	TOPO MAP	LF@2491067 400060841
400063136	DEVIATED DRILLING PLAN	LF@2491068 400063136
400063138	PROPOSED SPACING UNIT	LF@2491069 400063138
400063140	UNIT CONFIGURATION MAP	LF@2491070 400063140
400067266	EXCEPTION LOC REQUEST	LF@2491071 400067266
400068232	LEASE MAP	LF@2491072 400068232
400068233	30 DAY NOTICE LETTER	LF@2491073 400068233
400068234	EXCEPTION LOC WAIVERS	LF@2491074 400068234

Total Attach: 11 Files