

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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| DE | ET | OE | ES |
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Document Number:

400089366

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: Kelly Huffman Phone: (303)831-3974 Fax: (303)860-5838  
Email: khuffman@petd.com

7. Well Name: Knievel Well Number: 13-12D

8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

9. Proposed Total Measured Depth: 7811

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 12 Twp: 6N Rng: 67W Meridian: 6

Latitude: 40.498930 Longitude: -104.842440

Footage at Surface: 1678 FNL/FSL FSL 2447 FEL/FWL FWL

11. Field Name: Severance Field Number: 77030

12. Ground Elevation: 4866 13. County: WELD

14. GPS Data:

Date of Measurement: 09/12/2010 PDOP Reading: 1.9 Instrument Operator's Name: Brian T. Brinkman

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

Footage at Top of Prod Zone: FNL/FSL 2026 FSL 782 FWL FWL Bottom Hole: FNL/FSL 2026 FSL 782 FWL FWL  
Sec: 12 Twp: 6N Rng: 67W Sec: 12 Twp: 6N Rng: 67W

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: 178 ft

18. Distance to nearest property line: 184 ft 19. Distance to nearest well permitted/completed in the same formation: 1000 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                  | 80                            | W/2SW/4                              |
| Sussex Shannon         | SX-SN          | N/A                     | 80                            | W/2SW/4                              |

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):  
 Township 6 North, Range 67 West of 6th PM, Section 12: SW/4

25. Distance to Nearest Mineral Lease Line: 685 ft 26. Total Acres in Lease: 160

### 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           | 500          | 650           | 0          |
| 1ST         | 7+7/8        | 4+1/2          | 10.5            | 7,811         | 525          | 7,811         | 0          |

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

33. Comments Conductor casing will not be used. The Knievel 13-12D, 23-12D, 12BD, 14-12D and 24-12D will all be drilled from the same pad. The wells will be tied into a tank battery facility on site approximately 100' to the east. Petroleum Development Corporation requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location.

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: Permit Specialist Date: 10/11/2010 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 G. Neslin Director of COGCC Date: 11/4/2010

#### API NUMBER

05 123 32532 00

Permit Number: \_\_\_\_\_ Expiration Date: 11/3/2012

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.

Because the well head is located 178' from an above ground utility, the derrick height may not exceed 118' as measured from the ground.

- 1) Provide 24 hour notice of MIRU to Ed Binkley at 970-506-9834 or e-mail at ed.binkley@state.co.us
- 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara and from 200' below Shannon to 200' above Sussex. Verify coverage with cement bond log.
- 3) 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      |
|-------------|------------------------|----------------------|
| 2622100     | WELL LOCATION PLAT     | LF@2612992 2622100   |
| 400089366   | FORM 2 SUBMITTED       | LF@2601822 400089366 |
| 400089389   | 30 DAY NOTICE LETTER   | LF@2601823 400089389 |
| 400089391   | EXCEPTION LOC REQUEST  | LF@2601824 400089391 |
| 400099461   | PLAT                   | LF@2601825 400099461 |
| 400099462   | DEVIATED DRILLING PLAN | LF@2601826 400099462 |
| 400099464   | EXCEPTION LOC WAIVERS  | LF@2601827 400099464 |

Total Attach: 7 Files

### **General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b>  | <b><u>Comment Date</u></b> |
|--------------------------|--|----------------------------|
| Permit                   | Per Kelly Huffman, change Petroleum Development Corporation concurs with derrick height COA. PVG | 10/19/2010<br>5:00:26 PM   |

Total: 1 comment(s)

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