

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 ZONE ☒ COMMINGLE ZONE ☐
Refiling ☐Sidetrack ☐

Document Number:

400055013

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: 80207

6. Contact Name: Sarah Garrett Phone: (303)860-5803 Fax: (303)860-5838

Email: sgarrett@petd.com

7. Well Name: EEE Well Number: 21ADU

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

9. Proposed Total Measured Depth: 7648

## WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 21 Twp: 4N Rng: 67W Meridian: 6

Latitude: 40.302810 Longitude: -104.904750

Footage at Surface: 1028 FNL/FSL FNL 250 FEL/FWL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4922 13. County: WELD

## 14. GPS Data:

Date of Measurement: 01/27/2010 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 FEL/FWL Bottom Hole: FNL/FSL FEL/FWL  
 1314 FNL 1339 FWL 1314 FNL 1339 FWL  
 Sec: 21 Twp: 4N Rng: 67W Sec: 21 Twp: 4N 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: 229 ft

18. Distance to nearest property line: 220 ft 19. Distance to nearest well permitted/completed in the same formation: 2356 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        | NBCD           | 407-87                  | 160                           | NW4                                  |
| Sussex Shannon         | SXSN           | N/A                     | 160                           | NW4                                  |

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 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):  
Section 21: W/2, Township 4 North, Range 67 West

25. Distance to Nearest Mineral Lease Line: 1314 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 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          |
| S.C. 1.1    | 7+7/8        | 4+1/2          | 10.5            | 7,648         | 220          | 7,648         | 6,000      |

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

33. Comments Conductor casing will not be used. PDC purchased the surface property on 4/30/10. Well is part of a 15 well pad consisting of the following: Ryland 41-20D, Ryland 20RD, Ryland 20UD, Ryland 20CD, Ryland 20VD, Ryland 42-20D, Ryland 20SD, EEE 11-21DU, EEE 21-21DU, EEE 21ADU, Centennial 21GDU, Centennial 12-21DU, Centennial 21KDU, Centennial 22-21DU, EEE 21NDU. All 15 wells will be tied into a common tank battery on-site.

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: Sarah Garrett

Title: Landman Date: \_\_\_\_\_ Email: sgarrett@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: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

Permit Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

API NUMBER

05

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.

**Attachment Check List**

| Att Doc Num | Name                   | Doc Description                                  |
|-------------|------------------------|--|
| 400055014   | 30 DAY NOTICE LETTER   | Ryland-Marostica 305.e Land Owner Notice.pdf     |
| 400055015   | DEVIATED DRILLING PLAN | EEE 21ADU - Directional.pdf                      |
| 400055016   | PLAT                   | EEE 21ADU - Plat.pdf                             |
| 400055017   | TOPO MAP               | EEE 21ADU - TOPO.pdf                             |
| 400058988   | EXCEPTION LOC WAIVERS  | Marostica Pad_Hermetz_SLW_Signed_041810_scan.pdf |
| 400058989   | EXCEPTION LOC REQUEST  | Surface Location Waiver Letter to Director.pdf   |

Total Attach: 6 Files