

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:

1774932

Plugging Bond Surety

20010102

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: PETRO-CANADA RESOURCES (USA) INC

4. COGCC Operator Number: 72085

5. Address: 999 18TH ST STE 600

City: DENVER State: CO Zip: 80202-2499

6. Contact Name: SUSAN MILLER Phone: (303)297-2300 Fax: (303)297-7708

Email: SUMILLER@SUNCOR.COM

7. Well Name: FLOCKHART Well Number: 12-43(DIR)

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

9. Proposed Total Measured Depth: 7479

WELL LOCATION INFORMATION

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

Latitude: 40.497930 Longitude: -104.837190

Footage at Surface: 1301 FNL/FSL FSL 1345 FEL/FWL FEL

11. Field Name: SEVERANCE Field Number: 77030

12. Ground Elevation: 4893 13. County: WELD

14. GPS Data:

Date of Measurement: 05/05/2008 PDOP Reading: 2.2 Instrument Operator's Name: M. ROBERT

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

Footage at Top of Prod Zone: FNL/FSL 662 FSL 1971 FEL/FWL FEL Bottom Hole: FNL/FSL 662 FSL 1971 FEL/FWL FEL  
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: 1049 ft

18. Distance to nearest property line: 13 ft 19. Distance to nearest well permitted/completed in the same formation: 1348 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                            | S/2SE/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 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):  
6-67: SECTION 12: S/2SE/4

25. Distance to Nearest Mineral Lease Line: 1301 ft 26. Total Acres in Lease: 80

### 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          | 26              | 720           | 516          | 720           | 0          |
| 1ST         | 7+7/8        | 4+1/2          | 11.6            | 7,479         | 1,085        | 7,479         | 720        |

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

33. Comments CONDUCTOR CASING WILL NOT BE UTILIZED. SEE ITEM NO. 5 OF SUA FOR PROXIMITY OF WELL TO PROPERTY LINE; ITEM NO. 9 FOR WAIVER OF 30-DAY NOTICE. THIS LOCATION IS PART OF A MULTI-WELL PLAN FILED UNDER FLOCKHART 12-45, 2A DOC. NO. 1759139.

34. Location ID: 333287

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: SUSAN MILLER

Title: REG ANALYST Date: 12/8/2009 Email: SUMILLER@SUNCOR.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: 1/19/2010

#### API NUMBER

05 123 29656 00

Permit Number: \_\_\_\_\_ Expiration Date: 1/18/2012

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.

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. Verify coverage with cement bond log.

Location is 13 feet from property line, exception granted

Location is 13 feet from property line, exception granted

Location is 13 feet from property line, exception granted

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### **Attachment Check List**

| Att Doc Num | Name                  | Doc Description      |
|-------------|-----------------------|----------------------|
| 1774933     | WELL LOCATION PLAT    | LF@2192732 1774933   |
| 1774934     | MULTI-WELL PLAN       | LF@2192879 1774934   |
| 1774935     | SURFACE AGRMT/SURETY  | LF@2193060 1774935   |
| 2585214     | EXCEPTION LOC REQUEST | LF@2199279 2585214   |
| 400020552   | FORM 2 SUBMITTED      | LF@2199569 400020552 |
| 400033916   | APD ORIGINAL          | LF@2193058 400033916 |

Total Attach: 6 Files