

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:

1757270

Plugging Bond Surety

20010102

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: SUSANMILLER Phone: (303)297-2100 Fax: (303)297-7708

Email: SUSAN.MILLER@PETRO-CANADA.COM

7. Well Name: WAGGENER Well Number: 8-33 (DIR)

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

9. Proposed Total Measured Depth: 6009

WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 8 Twp: 4N Rng: 68W Meridian: 6

Latitude: 40.323870 Longitude: -105.032570

Footage at Surface: 1298 FNL/FSL FSL 1205 FEL/FWL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 5024 13. County: WELD

14. GPS Data:

Date of Measurement: 04/28/2009 PDOP Reading: 1.5 Instrument Operator's Name: JEFF POZVEK

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

Footage at Top of Prod Zone: FNL/FSL 664 FSL 665 FWL 664 FSL 665 FWL
Sec: 8 Twp: 4N Rng: 68W Sec: 8 Twp: 4N Rng: 68W

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: 401

18. Distance to nearest property line: 1205 19. Distance to nearest well permitted/completed in the same formation: 881

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		80	W/2SW

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):
SEE ATTACHED

25. Distance to Nearest Mineral Lease Line: 1205 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	26	300	215	300	0
1ST	7+7/8	4+1/2	11.6	6,009	923	6,009	300

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

33. Comments CONDUCTOR CASING WILL NOT BE UTILIZED. THIS IS PART OF A FORM 2A 4-WELL MULTI-WELL APPLICATION SUBMITTED UNDER WAGGENER 8-35.

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: Y Print Name: SUSAN MILLER

Title: REG ANALYST Date: 6/26/2009 Email: SUSAN.MILLER@PETRO-CA

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: 9/29/2009

API NUMBER

05 123 30667 00

Permit Number: 20092812 Expiration Date: 9/28/2010

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

Comment

Agency

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. 3) Run and submit Directional Survey from TD to base of surface casing. The operator shall comply with Rule 321, and it shall be the operator's responsibility to ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Use of a closed loop system or lining of drilling pit is required due to shallow groundwater.

Attachment Check List

Att Doc Num	Name	Doc Description
1691602	OIL & GAS LEASE	LF@2101322 1691602
1757270	APD ORIG & 1 COPY	LF@2093176 1757270
1757271	LOCATION PICTURES	LF@2093319 1757271
1757272	LOCATION PICTURES	LF@2093321 1757272
1757273	WELL LOCATION PLAT	LF@2093177 1757273
1757274	TOPO MAP	LF@2093178 1757274
1757275	DEVIATED DRILLING PLAN	LF@2093179 1757275
1757276	SURFACE AGRMT/SURETY	LF@2093180 1757276

Total Attach: 8 Files