

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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Document Number:

1757220

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

Email: SUSAN.MILLER@PETRO-CANADA.COM

7. Well Name: WAGGENER Well Number: 8-43 DIR

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

9. Proposed Total Measured Depth: 6754

## WELL LOCATION INFORMATION

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

Latitude: 40.322340 Longitude: -105.020270

	FNL/FSL		FEL/FWL
Footage at Surface:	664 FSL	693	FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 5013 13. County: WELD

## 14. GPS Data:

Date of Measurement: 04/28/2009 PDOP Reading: 2.3 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	FEL/FWL	Bottom Hole:	FNL/FSL	FEL/FWL
663	FSL	2002	FEL	663	FSL
2002	FEL	663	FSL	2002	FEL
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: 693 19. Distance to nearest well permitted/completed in the same formation: 938

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.)
NIORARA-CODELL	NB-CD		80	W/2SE

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: 663 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	340	236	340	0
1ST	7+7/8	4+1/2	11.6	6,754	1,033	6,754	330

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

33. Comments CONDUCTOR CASING WILL NOT BE UTILIZED. THIS WELL IS PART OF A FORM 2A MULTI-WELL PLAN APPLICATION SUBMITTED UNDER WAGGENER 8-45 (DIR).

34. Location ID: 310467

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: REGULATORY 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. Nashin Director of COGCC Date: 8/31/2009

#### API NUMBER

05 123 30592 00

Permit Number: \_\_\_\_\_ Expiration Date: 8/31/2010

CONDITIONS OF APPROVAL, IF ANY:

### **Condition of Approval**

Comment	User Name	Comment Date
Agency		
1) Note surface casing setting depth change from 330' to 340'. Increase cement coverage accordingly. 2) Provide 24 hour notice of MIRU to Ed Binkley at 970-506-9834 or e-mail at ed.binkley@state.co.us 3) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log. 4) 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.		07/28/2009

### **Attachment Check List**

Att Doc Num	Name	Doc Description	Op. Check	File Size
1691601	OIL & GAS LEASE	LF@2101323 1691601	Y	
1757220	APD ORIG & 1 COPY	LF@2093242 1757220	Y	
1757221	LOCATION PICTURES	LF@2093306 1757221	Y	
1757222	LOCATION PICTURES	LF@2093308 1757222	Y	
1757223	LOCATION DRAWING	LF@2093309 1757223	Y	
1757224	WELL LOCATION PLAT	LF@2093243 1757224	Y	
1757225	TOPO MAP	LF@2093244 1757225	Y	
1757226	DEVIATED DRILLING PLAN	LF@2093246 1757226	Y	
1757228	SURFACE AGRMT/SURETY	LF@2093245 1757228	Y	

Total Attach: 9 Files