

**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:  
2093409  
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: JAN KAJIWARA Phone: (303)297-300 Fax: (303)297-7708  
Email: JKAJIWARA@SUNCOR.COM

7. Well Name: DF RANCH Well Number: 1161-17-22

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

9. Proposed Total Measured Depth: 8280

**WELL LOCATION INFORMATION**

10. QtrQtr: NWNW Sec: 17 Twp: 11N Rng: 61W Meridian: 6  
Latitude: 40.927140 Longitude: -104.236890

Footage at Surface: 660 FNL/FSL FNL 660 FEL/FWL FWL

11. Field Name: GROVER Field Number: 33380

12. Ground Elevation: 5298 13. County: WELD

14. GPS Data:

Date of Measurement: 09/18/2009 PDOP Reading: 2.3 Instrument Operator's Name: DARREN VEA

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 \_\_\_\_\_

Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

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: 4498 ft

18. Distance to nearest property line: 660 ft 19. Distance to nearest well permitted/completed in the same formation: 1850 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.)
DAKOTA	DKTA		40	NWNW
J SAND	JSND		40	NWNW
NIOBRARA/CODELL	NB-CD		40	NWNW

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#: 20010103

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):  
T11N-R61W SEC. 17: ALL

25. Distance to Nearest Mineral Lease Line: 660 ft 26. Total Acres in Lease: 640

### 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	650	325	650	0
1ST	7+7/8	5+1/2	17	8,280	100	8,280	7,455
			Stage Tool	7,355	800	7,355	400

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

33. Comments CONDUCTOR CASING WILL NOT BE UTILIZED

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: JAN KAJIWARA

Title: REGULATORY Date: 12/23/2009 Email: JKAJIWARA@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: 1/26/2010

**API NUMBER**  
05 123 31077 00

Permit Number: \_\_\_\_\_ Expiration Date: 1/25/2012

**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.**

COGCC ENG COA - SME 1) Note surface casing setting depth change from 400' to 650'. Increase cement coverage accordingly and cement to surface. Set surface casing per Rule 317d, setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC. 2) Provide 24 hr notice of spud to Colby Horton at 970-467-2517 or e-mail at colby.horton @state.co.us . 3) If completed, cement coverage shall be at a minimum from the TD to 200' above Niobrara and at minimum set stage cement from 1250' to 50' above the surface casing shoe. Verify all placed cement with cement bond log and cementing tickets. 4) If dry hole, set 60 sks cement from 50' below D Sand base to 100' above D Sand top, 40 sks cement 50' above Niobrara top, 40 sks cement 1350', 50 sks cement ½ out, ½ in surface casing, 10 sks cement top of surface casing, cut 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole. Restore surface location.

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### Attachment Check List

Att Doc Num	Name	Doc Description
2063660	SELECTED ITEMS REPORT	LF@2212005 2063660.00000
2093400	WELL LOCATION PLAT	LF@2202973 2093400
2093401	TOPO MAP	LF@2202974 2093401
2093409	APD APPROVED	LF@2462569 2093409
2093413	30 DAY NOTICE LETTER	LF@2202971 2093413
400024555	FORM 2 SUBMITTED	LF@2207374 400024555
400059435	APD ORIGINAL	LF@2202968 400059435
400059436	APD ORIGINAL	LF@2202968 400059436

Total Attach: 8 Files