

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:  
400112295  
Plugging Bond Surety  
20100017

3. Name of Operator: ENCANA OIL & GAS (USA) INC 4. COGCC Operator Number: 100185

5. Address: 370 17TH ST STE 1700  
City: DENVER State: CO Zip: 80202-5632

6. Contact Name: JENNIFER LIND Phone: (720)876-5890 Fax: (720)876-6890  
Email: JENNIFER.LIND@ENCANA.COM

7. Well Name: HERREN Well Number: 6-0-33

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

9. Proposed Total Measured Depth: 7962

WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 33 Twp: 3N Rng: 67W Meridian: 6  
Latitude: 40.188800 Longitude: -104.886860

Footage at Surface: 247 feet FNL/FSL FNL 302 feet FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4824 13. County: WELD

14. GPS Data:

Date of Measurement: 09/03/2010 PDOP Reading: 2.0 Instrument Operator's Name: TOM WINANS

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

Footage at Top of Prod Zone: FNL/FSL 50 FEL FNL 1325 FEL FEL FNL/FSL 50 FEL FNL 1325 FEL FEL  
Sec: 33 Twp: 3N Rng: 67W Sec: 33 Twp: 3N 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: 245 ft

18. Distance to nearest property line: 247 ft 19. Distance to nearest well permitted/completed in the same formation: 900 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.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| CODELL                 | CODL           | 407                     | 160                           | GWA                                  |
| J-SAND                 | JSND           | 232-23                  | 320                           | GWA                                  |
| NIOBRARA               | NBRR           | 407                     | 160                           | GWA                                  |

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):  
T3N-R67W-SECTION 33: NE

25. Distance to Nearest Mineral Lease Line: 50 ft 26. Total Acres in Lease: 160

**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 | Wt/Ft | Csg/Line Top | Setting Depth | Sacks Cmt | Cmt Btm | Cmt Top |
|-------------|--------------|----------------|-------|--------------|---------------|-----------|---------|---------|
| SURF        | 12+1/4       | 8+5/8          | 24    |              | 700           | 300       | 700     | 0       |
| 1ST         | 7+7/8        | 4+1/2          | 11.6  |              | 7,963         | 270       | 7,963   | 6,922   |

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

33. Comments Under "Casing Type" there is no option for Production Casing. "New String Type" was selected in lieu of Production Casing as the Casing Type. Proposed GWA Unit configuration for NB-CD and JSND: Sec 33: N2NE4 & Sec 28: S2SE4 ; Encana Oil & Gas (USA) Inc. requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Waivers are attached.

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: JENNIFER LIND

Title: REGULATORY ANALYST Date: 12/6/2010 Email: JENNIFER.LIND@ENCANA.C

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. Nesline Director of COGCC Date: 12/31/2010

**API NUMBER**

05 123 32810 00

Permit Number: \_\_\_\_\_ Expiration Date: 12/30/2012

**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 Bo Brown at 970-397-4124 or e-mail at bo.brown@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) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

### Attachment Check List

| Att Doc Num | Name                   |
|-------------|------------------------|
| 2622228     | PROPOSED SPACING UNIT  |
| 400112295   | FORM 2 SUBMITTED       |
| 400113211   | WELL LOCATION PLAT     |
| 400113216   | MINERAL LEASE MAP      |
| 400113223   | SURFACE AGRMT/SURETY   |
| 400113225   | 30 DAY NOTICE LETTER   |
| 400113226   | DEVIATED DRILLING PLAN |
| 400113229   | EXCEPTION LOC WAIVERS  |
| 400113284   | EXCEPTION LOC WAIVERS  |
| 400113307   | FORM 2A                |
| 400113321   | EXCEPTION LOC REQUEST  |
| 400113346   | TOPO MAP               |
| 400113349   | APD ORIGINAL           |
| 400113369   | DEVIATED DRILLING PLAN |

Total Attach: 14 Files

### General Comments

| <u>User Group</u> | <u>Comment</u>   | <u>Comment Date</u>      |
|-------------------|--|--------------------------|
| Permit            | Taken Off-Hold. Attached Proposed Spacing Unit documents to application as attachment. PVG   | 12/10/2010<br>3:14:16 PM |
| Permit            | ON HOLD. Productive interval is a 318A.e location. No 20 day certification letter nor plat of the proposed unit was provided. Requested these items. PVG | 12/10/2010<br>7:19:24 AM |

Total: 2 comment(s)

### BMP

| <u>Type</u> | <u>Comment</u> |
|-------------|----------------|
|             |                |

Total: 0 comment(s)