

FORM  
2

Rev  
12/05

# State of Colorado Oil and Gas Conservation Commission

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Date Received:

05/28/2013

PluggingBond SuretyID

20100017

## APPLICATION FOR PERMIT TO:

1.  Drill,  Deepen,  Re-enter,  Recomplete and Operate

### 2. TYPE OF WELL

OIL  GAS  COALBED  OTHER \_\_\_\_\_  
SINGLE ZONE  MULTIPLE  COMMINGLE

Refiling

Sidetrack

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: Erin Hochstetler Phone: (720)876-5827 Fax: ()

Email: erin.hochstetler@encana.com

7. Well Name: Grant Elmquist Well Number: 2F-14H C268

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

9. Proposed Total Measured Depth: 14111

## WELL LOCATION INFORMATION

10. QtrQtr: NENW Sec: 14 Twp: 2N Rng: 68W Meridian: 6

Latitude: 40.143860 Longitude: -104.973720

Footage at Surface: 796 feet FNL 1693 feet FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4881 13. County: WELD

### 14. GPS Data:

Date of Measurement: 05/03/2013 PDOP Reading: 1.7 Instrument Operator's Name: JOHN RICE

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

Footage at Top of Prod Zone: 1170 FNL 2338 FWL Bottom Hole: 2190 FNL 2250 FWL  
Sec: 14 Twp: 2N Rng: 68W Sec: 23 Twp: 2N 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: 377 ft

18. Distance to nearest property line: 51 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 169 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           |                         | 480                           | 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#: 20090011

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 Bond  \$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):  
 Township 2 North, Range 66 West Section 22: NE/4, Section 23: NW/4

25. Distance to Nearest Mineral Lease Line: 0 ft                      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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)?     Yes                       No

31. Mud disposal:     Offsite     Onsite                      **If 28, 29, or 30 are "Yes" a pit permit may be required.**

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/Liner Top | Setting Depth | Sacks Cmt | Cmt Btm | Cmt Top |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|
| CONDUCTOR   | 22           | 16             | 30    | 0             | 80            | 80        | 80      | 0       |
| SURF        | 12+1/4       | 9+5/8          | 40    | 0             | 800           | 100       | 800     | 0       |
| 1ST         | 8+3/4        | 7              | 26    | 0             | 7,771         | 440       | 7,771   | 500     |
| 2ND         | 6+1/8        | 4+1/2          | 13.5  | 0             | 14,111        | 253       | 14,111  | 7,471   |

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

33. Comments    Encana requests the approval of a 318A(I).a.(1), 318A(I).c(1) and 603.a(2) exception location as the well head is to be located outside of a GWA drilling window, further than 50' from an existing well and closer than 150' to a property line. Request letter and waivers attached. Encana also requests the approval of the omission of open hole logs, request letter attached. Proposed spacing unit is T2N R68W Section 14: E/2NW/4, W/2NE/4, E/2SW/4, W/2SE/4 Section 23: E/2NW/4, W/2NE/4. Horizontal wellbore crosses lease lines within drilling and spacing unit; distance to lease line is 0'; distance to unit boundary is greater than 460'. The distance to nearest well permitted/completed in the same formation (BHL) was measured from the Elmquist 4-2-23, API #: 05-123-32009.

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: Erin Hochstetler

Title: Permitting Technician                      Date: 5/28/2013                      Email: erin.hochstetler@encana.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: \_\_\_\_\_                      Director of COGCC                      Date: \_\_\_\_\_

**API NUMBER**                      Permit Number: \_\_\_\_\_                      Expiration Date: \_\_\_\_\_

**05**

**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.**

\_\_\_\_\_

Date retrieval failed for the subreport 'ImpPolicy\_MTO' located at: W:\test\pub\Nat\Reports\policy\_etc.rdl. Please check th

### Attachment Check List

| Att Doc Num | Name                   |
|-------------|------------------------|
| 400414124   | FORM 2 SUBMITTED       |
| 400421859   | 30 DAY NOTICE LETTER   |
| 400421863   | OFFSET WELL EVALUATION |
| 400421864   | DEVIATED DRILLING PLAN |
| 400421865   | DIRECTIONAL DATA       |
| 400421948   | PROPOSED SPACING UNIT  |
| 400421949   | EXCEPTION LOC REQUEST  |
| 400421950   | OTHER                  |
| 400424434   | EXCEPTION LOC WAIVERS  |
| 400424672   | MINERAL LEASE MAP      |
| 400425491   | WELL LOCATION PLAT     |

Total Attach: 11 Files

### General Comments

| <u>User Group</u> | <u>Comment</u>  | <u>Comment Date</u>      |
|-------------------|---|--------------------------|
| Permit            | Returned to draft for the following: unable to open Well Location Plat. | 5/29/2013<br>11:49:31 AM |

Total: 1 comment(s)

### BMP

| <u>Type</u>                    | <u>Comment</u>  |
|--------------------------------|---|
| Drilling/Completion Operations | Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed wellpath with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an as-constructed gyro survey will be submitted to COGCC with the Form 5. |
| Drilling/Completion Operations | Encana will comply with the "COGCC Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area", dated May 29, 2012.   |

Total: 2 comment(s)