

FORM

2

Rev  
12/05

## State of Colorado

## Oil and Gas Conservation Commission

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07/25/2013

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) INC4. COGCC Operator Number: 1001855. Address: 370 17TH ST STE 1700City: DENVER State: CO Zip: 80202-56326. Contact Name: Bonnie Lamond Phone: (720)876-5156 Fax: ()Email: bonnie.lamond@encana.com7. Well Name: Woolley-Sosa Well Number: 2E-7H-E168

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

9. Proposed Total Measured Depth: 16036

## WELL LOCATION INFORMATION

10. QtrQtr: SWNW Sec: 7 Twp: 1N Rng: 68W Meridian: 6Latitude: 40.066670 Longitude: -105.053170

Footage at Surface: 2307 feet FNL/FSL 643 feet FEL/FWL  
 FNL FWL

11. Field Name: Wattenberg Field Number: 9075012. Ground Elevation: 4994 13. County: WELD

## 14. GPS Data:

Date of Measurement: 05/22/2013 PDOP Reading: 2.3 Instrument Operator's Name: John Rice15. If well is ☐ Directional ☒ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 2301 FNL 1496 FWL 460 FSL 1475 FWL  
 Bottom Hole: FNL/FSL 460 FSL 1475 FWL  
 Sec: 7 Twp: 1N Rng: 68W Sec: 18 Twp: 1N Rng: 68W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 298 ft18. Distance to nearest property line: 316 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 60 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           |                         | 560                           | GWA                                  |

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: \_\_\_\_\_22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. 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 ☒ No23b. 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):

T1N R68W SEC 7: N/2 and other lands. Horizontal Wellbore crosses lease lines within drilling and spacing unit; distance to unit boundary is at least 460'.

25. Distance to Nearest Mineral Lease Line: 0 ft

26. Total Acres in Lease: 317

### 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      |         |
| SURF        | 12+1/4       | 9+5/8          | 40#   | 0             | 800           | 100       | 800     |         |
| 1ST         | 8+3/4        | 7              | 26#   | 0             | 8,164         | 464       | 8,164   | 500     |
| 2ND         | 6+1/8        | 4+1/2          | 13.5# | 0             | 16,036        | 311       | 16,036  | 7,864   |

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

33. Comments Encana Oil & Gas (USA) Inc. requests the approval of a 318A(I).a.(1) and 318A(I).c(1) exception location as the well head is to be located outside of a GWA drilling window and further than 50' from an existing well. Request letter and waivers attached. This well is closer than 150' to the nearest permitted or producing BHL. A 318A.m. variance request letter attached. Encana Oil & Gas (USA) Inc. also requests the approval of the omission of open hole logs, request letter attached. Proposed unit configuration is T1N R68W SEC 7: S/2NW/4, SW/4; SEC 18: W/2. Subject location falls outside Town of Erie border, however, will adhere to Erie BMPs; see attachment.

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: Bonnie Lamond

Title: Permitting Analyst Date: 7/25/2013 Email: bonnie.lamond@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

05

Permit Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

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.

Data retrieval failed for the subreport 'IntPolicy\_NTO' located at: W:\natpub\Net\Reports\policy\_nto.rdl. Please check th

### Attachment Check List

| Att Doc Num | Name                   |
|-------------|------------------------|
| 400450176   | FORM 2 SUBMITTED       |
| 400452444   | PROPOSED BMPs          |
| 400455321   | MINERAL LEASE MAP      |
| 400455323   | 30 DAY NOTICE LETTER   |
| 400455324   | DEVIATED DRILLING PLAN |
| 400455325   | OFFSET WELL EVALUATION |
| 400455326   | EXCEPTION LOC REQUEST  |
| 400455327   | PROPOSED SPACING UNIT  |
| 400455329   | EXCEPTION LOC REQUEST  |
| 400455330   | WELL LOCATION PLAT     |
| 400455332   | OTHER                  |
| 400455338   | DIRECTIONAL DATA       |
| 400459376   | EXCEPTION LOC WAIVERS  |
| 400459377   | EXCEPTION LOC WAIVERS  |

Total Attach: 14 Files

### General Comments

| User Group | Comment   | Comment Date            |
|------------|---|-------------------------|
| Permit     | Returned to draft. No right to construct given. | 7/26/2013<br>1:38:28 PM |

Total: 1 comment(s)

### BMP

| Type                           | Comment  |
|--------------------------------|--|
| 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 well path 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)