

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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| DE | ET | OE | ES |
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Document Number:

400143158

Plugging Bond Surety

20100017

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: 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: FREDERIKSEN Well Number: 1A-28H

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

9. Proposed Total Measured Depth: 11748

WELL LOCATION INFORMATION

10. QtrQtr: SENE Sec: 28 Twp: 3N Rng: 68W Meridian: 6
Latitude: 40.197940 Longitude: -104.999280

Footage at Surface: 2250 feet FNL/FSL FNL 257 feet FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4976 13. County: WELD

14. GPS Data:

Date of Measurement: 02/02/2011 PDOP Reading: 2.0 Instrument Operator's Name: CRAIG BURKE

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

Footage at Top of Prod Zone: FNL/FSL 2240 FNL 492 FEL 2015 FNL 460 FWL 2015 FNL 460 FWL 2015
Sec: 28 Twp: 3N Rng: 68W Sec: 28 Twp: 3N 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: 239 ft

18. Distance to nearest property line: 207 ft 19. Distance to nearest well permitted/completed in the same formation: 111 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.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| NIOBRARA | NBRR | 407 | 320 | 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):
SEE ATTACHED MAP. ACREAGES FOR ALL LEASES HAVE BEEN ADDED TOGETHER FOR THE "TOTAL ACRES IN LEASE".

25. Distance to Nearest Mineral Lease Line: _____ 460 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 |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|
| SURF | 12+1/4 | 9+5/8 | 40 | 0 | 800 | 198 | 800 | 0 |
| 1ST | 8+3/4 | 7 | 26 | 0 | 7,398 | 823 | 7,398 | 500 |
| 2ND | 6+1/8 | 4+1/2 | 13.5 | 0 | 12,507 | | | |

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

33. Comments NO CONDUCTOR CASING WILL BE UTILIZED. ENCANA REQUESTS APPROVAL OF RULE 318A.a AND RULE 603.a EXCEPTION LOCATION. WELLHEAD TO BE LOCATED OUTSIDE OF GWA DRILLING WINDOW AND CLOSER THAN 150' TO A PROPERTY LINE. 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: _____ 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: _____ 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.

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Attachment Check List

| Att Doc Num | Name |
|-------------|-----------------------|
| 400145261 | EXCEPTION LOC WAIVERS |
| 400145310 | MINERAL LEASE MAP |
| 400145928 | DRILLING PLAN |
| 400145958 | EXCEPTION LOC REQUEST |
| 400145959 | PROPOSED SPACING UNIT |
| 400145961 | 30 DAY NOTICE LETTER |
| 400145969 | TOPO MAP |
| 400145990 | WELL LOCATION PLAT |

Total Attach: 8 Files

General Comments

| User Group | Comment | Comment Date |
|------------|---------|--------------|
| | | |

Total: 0 comment(s)

BMP

| Type | Comment |
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Total: 0 comment(s)