

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400303289

Date Received:

07/10/2012

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: JENNIFER LIND Phone: (720)876-5890 Fax: (720)876-6890

Email: JENNIFER.LIND@ENCANA.COM

7. Well Name: GURTLE Well Number: 2B-30H

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

9. Proposed Total Measured Depth: 14202

WELL LOCATION INFORMATION

10. QtrQtr: lot 1 Sec: 30 Twp: 2N Rng: 64W Meridian: 6

Latitude: 40.116110 Longitude: -104.599770

Footage at Surface: 210 feet FNL 841 feet FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4928 13. County: WELD

14. GPS Data:

Date of Measurement: 02/22/2012 PDOP Reading: 1.9 Instrument Operator's Name: MCGEHEE

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

Footage at Top of Prod Zone: 648 FNL 835 FWL 2227 FNL 800 FWL
Sec: 30 Twp: 2N Rng: 64W Sec: 31 Twp: 2N Rng: 64W

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: 199 ft

18. Distance to nearest property line: 193 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 182 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		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#:

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):

Multiple leases covering the W/2 of Sec.30-T2N-R64W. Please see attached map for details. Acreage has been added together for all leases in spacing unit for "Total Acres in Lease".

25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 302

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	930	198	930	0
1ST	8+3/4	7	26	0	7,351	897	7,351	500
2ND	6+1/8	4+1/2	13.5	0	14,202	588	14,202	7,051

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

33. Comments Encana will comply with COGCC Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012. ENCANA REQUESTS THE APPROVAL OF A RULE 318A(I).a.(1) EXCEPTION LOCATION AS THE WELL FALLS OUTSIDE OF A GWA DRILLING WINDOW. REQUEST LETTER AND WAIVER ATTACHED. PROPOSED SPACING UNIT IS THE W/2-SEC.30-T2N-R64W & NW/4-SEC.31-T2N-R64W.

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: 7/10/2012 Email: JENNIFER.LIND@ENCANA.C

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: Matthew Lee Director of COGCC Date: 8/17/2012

API NUMBER

05 123 35981 00

Permit Number: _____ Expiration Date: 8/16/2014

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)Note surface casing setting depth change from 800' to 930'. Increase cement coverage accordingly and cement to surface.
- 2)Provide notice of MIRU via an electronic Form 42.
- 3)Comply with Rule 317.i and provide cement coverage from the end of the production casing to a minimum of 200' above the Niobrara. Verify coverage with a cement bond log.

Attachment Check List

Att Doc Num	Name
2481740	SURFACE CASING CHECK
400303289	FORM 2 SUBMITTED
400303441	EXCEPTION LOC WAIVERS
400303443	TOPO MAP
400303444	30 DAY NOTICE LETTER
400303445	PROPOSED SPACING UNIT
400303446	EXCEPTION LOC REQUEST
400303448	MINERAL LEASE MAP
400303450	WELL LOCATION PLAT
400303453	DEVIATED DRILLING PLAN
400303454	DIRECTIONAL DATA
400304921	SURFACE AGRMT/SURETY

Total Attach: 12 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Bill, my apologies for not get back with you sooner. Please make the change from NWNW to Lot 1. Thank you, Jennifer	7/31/2012 2:32:39 PM
Permit	Requested review of NWNW designation, appears to be Lot 1, as it is an irregular section.	7/30/2012 7:07:17 AM
Permit	Operator attached SUA.	7/12/2012 9:00:37 AM
Permit	Returned to draft. No surface owner signature on lease, no SUA, no bond.	7/11/2012 9:02:21 AM

Total: 4 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.

Total: 1 comment(s)