

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:

400366457

Date Received:

01/08/2013

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 ☐

PluggingBond SuretyID

20100017

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: Erin Hochstetler Phone: (720)876-5827 Fax: ()Email: erin.hochstetler@encana.com7. Well Name: Rasmussen Well Number: 2-4-28

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

9. Proposed Total Measured Depth: 8189

WELL LOCATION INFORMATION

10. QtrQtr: SENW Sec: 28 Twp: 2N Rng: 68W Meridian: 6Latitude: 40.111500 Longitude: -105.011350

Footage at Surface: 1962 feet FNL 1780 feet FWL
 FNL/FSL FEL/FWL

11. Field Name: WATTENBERG Field Number: 9075012. Ground Elevation: 4935 13. County: WELD

14. GPS Data:

Date of Measurement: 06/02/2010 PDOP Reading: 2.9 Instrument Operator's Name: BURKE15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL
2575 FNL 1350 FWL 2575 FNL 1350 FWL
 Sec: 28 Twp: 2N Rng: 68W Sec: 28 Twp: 2N 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: 639 ft18. Distance to nearest property line: 456 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 748 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	160	GWA
NIOBRARA	NBRR	407	160	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 ☐ 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):

E2NW4NW4, E2NW4, NW4NE4 SEC 28 2N-68W

25. Distance to Nearest Mineral Lease Line: 30 ft

26. Total Acres in Lease: 140

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	8+5/8	24	0	800	350	800	0
1ST	7+7/8	4+1/2	11.6	0	8,189	270	8,189	7,144
			Stage Tool		5,122	150	5,122	4,121

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

33. Comments NO CONDUCTOR CASING WILL BE USED. PROPOSED GWA UNIT CONFIGURATION FOR NB-CD & JSND:S2NW, N2SW ; Encana Oil & Gas (USA) Inc. requests approval of Rule 318Aa exception location: Wellhead is to belocated outside of a GWA drilling window. Waivers are attached. There have been no changes to the location.

34. Location ID: 333145

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: 1/8/2013 Email: erin.hochstetler@encana.com

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: 2/13/2013

API NUMBER

05 123 32896 00

Permit Number: _____ Expiration Date: 2/12/2015

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.

Operator must meet water well testing requirements per Rule 318A.

- 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU..
- 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara and from 200' below Shannon to 200' above Sussex. 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.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

Att Doc Num	Name
400366457	FORM 2 SUBMITTED
400366547	30 DAY NOTICE LETTER
400366550	DEVIATED DRILLING PLAN
400366551	PROPOSED SPACING UNIT
400366552	WELL LOCATION PLAT
400366553	EXCEPTION LOC REQUEST
400366554	EXCEPTION LOC WAIVERS
400366556	DIRECTIONAL DATA
400366557	MINERAL LEASE MAP

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Completed. No LGD or public comment received.	2/12/2013 4:22:51 PM
Permit	ON HOLD: w/o Engineering's request. ok to pass.	2/4/2013 9:05:21 AM
Permit	Added the comment "There have been no changes to the location." ok to pass.	1/16/2013 1:34:46 PM
Permit	Operator requests approval of a Rule 318Aa exception location: Wellhead is to be located outside of a GWA drilling window. Request and Waiver attached.	1/16/2013 1:34:36 PM

Total: 4 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)