

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:

400403233

Date Received:

04/26/2013

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: Bonnie Lamond Phone: (720)876-5156 Fax: (720)876-6177

Email: bonnie.lamond@encana.com

7. Well Name: Zisch Well Number: 3A-6H-M368

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

9. Proposed Total Measured Depth: 11554

WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 6 Twp: 3N Rng: 68W Meridian: 6

Latitude: 40.248250 Longitude: -105.052810

Footage at Surface: 376 feet FSL 635 feet FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 5163 13. County: WELD

14. GPS Data:

Date of Measurement: 12/12/2012 PDOP Reading: 2.0 Instrument Operator's Name: John Rice

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

Footage at Top of Prod Zone: FNL/FSL FSL FEL/FWL Bottom Hole: FNL/FSL FSL FEL/FWL
1248 FSL 530 FWL 1100 FSL 460 FEL
Sec: 6 Twp: 3N Rng: 68W Sec: 6 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: 356 ft

18. Distance to nearest property line: 376 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 699 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		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 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):

BHL Lease Description: T3N R68W Sec 6: S/2SW/4, S5/8 of N1/2SW1/4. Mineral lease map attached

25. Distance to Nearest Mineral Lease Line: 0 ft

26. Total Acres in Lease: 127

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	7,569	428	7,569	500
2ND	6+1/8	4+1/2	13.5	0	11,551	164	11,551	7,269

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) exception location as the well head is to be located outside of a GWA drilling window. Encana Oil & Gas (USA) Inc. also requests the approval of the omission of open-hole logs. Request letters and waivers attached. Disregard First Perforation Point on WLC, proposed top of production was calculated using the directional survey. Equipment will be located on the facilities pad, document #400371538. Proposed Spacing Unit: Sec. 6: S/2.

34. Location ID: 426694

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 Technician Date: 4/26/2013 Email: bonnie.lamond@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: 5/29/2013

API NUMBER

05 123 37487 00

Permit Number: _____ Expiration Date: 5/28/2015

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.

Operator will place an explicit comment on the Drilling Completion Report documenting which well on this pad was logged with a full suite of open hole logs.

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. 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.

Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area.

Attachment Check List

Att Doc Num	Name
400403233	FORM 2 SUBMITTED
400403245	EXCEPTION LOC REQUEST
400403246	EXCEPTION LOC WAIVERS
400403247	DEVIATED DRILLING PLAN
400403248	DIRECTIONAL DATA
400403250	PROPOSED SPACING UNIT
400403252	OTHER
400403253	WELL LOCATION PLAT
400403254	30 DAY NOTICE LETTER
400403255	SURFACE AGRMT/SURETY
400405359	OFFSET WELL EVALUATION
400410249	MINERAL LEASE MAP

Total Attach: 12 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Completed. No LGD or public comment received.	5/28/2013 9:05:29 AM
Permit	Per operator changed distance to mineral lease from 222' to 0 (zero) & distance to nearest well from 543' to 699'. Changed spacing order to blank, the unit acreage to: 320, and the Unit configuration to: GWA. Add: Proposed Spacing Unit: S/2 to oper comments. ok to pass.	5/16/2013 11:08:04 AM
Permit	ON HOLD: requesting confirmation of distance to mineral lease & distance to nearest well. Change spacing order to blank, the unit acreage to: 320, and the Unit configuration to: GWA. Add: Proposed Spacing Unit: S/2 to oper comments.	5/8/2013 11:59:08 AM
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.	5/8/2013 11:50:24 AM
Permit	Operator's request for omission of open hole logs.	5/8/2013 11:50:23 AM
Permit	Horizontal wellbore crosses lease lines within drilling and spacing unit; distance to lease line is 0'; distance to unit boundary is 460'.	5/8/2013 11:50:21 AM
Engineer	changed TPZ to reflect dir plan?	5/7/2013 1:37:24 PM
Permit	This form has passed completeness.	4/29/2013 8:59:15 AM

Total: 8 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 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)