

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:

400446599

Date Received:

07/24/2013

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: Chris McRickard Phone: (720)876-5586 Fax: (720)876-6584
Email: chris.mcrickard@encana.com

7. Well Name: McConahay Well Number: 1C-34H-H266

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

9. Proposed Total Measured Depth: 12224

WELL LOCATION INFORMATION

10. QtrQtr: SENE Sec: 34 Twp: 2n Rng: 66w Meridian: 6

Latitude: 40.097990 Longitude: -104.757730

Footage at Surface: 1447 feet FNL 1115 feet FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 5060 13. County: WELD

14. GPS Data:

Date of Measurement: 07/15/2013 PDOP Reading: 1.8 Instrument Operator's Name: John Rice

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

Footage at Top of Prod Zone: 1882 FNL 623 FEL Bottom Hole: 2600 FNL 460 FWL
Sec: 34 Twp: 2n Rng: 66w Sec: 34 Twp: 2n Rng: 66w

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: 1144 ft

18. Distance to nearest property line: 214 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 295 ft

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		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):

T2N R66W SEC 34: E/2E/2, except the north 260 feet thereof containing 7.88 acres, more or less (See Attached Mineral Lease Map); Horizontal Wellbore crosses lease lines within drilling and spacing unit; distance to lease line is 0'; distance to unit boundary is at least 460'.

25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 152

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	1102	138	1102	0
1ST	8+3/4	7	26	0	7934	450	7934	802
2ND	6+1/8	4+1/2	13.5	0	12224	176	12224	7634

32. BOP Equipment Type: Annular Preventer Double Ram Rotating Head None
33. Comments - Encana requests the approval of 318A.c(1) as the well head is to be located further than 50' from an existing well. Request letter and waivers attached. - Encana requests the approval of the omission of open hole logs; request letter attached.- Proposed spacing unit is T2N R66W SEC 34: S/2N/2, N/2S/2- The distance to nearest well permitted/completed in the same formation (BHL) is found on page 8 of the Anti-Collision report.

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: Chris McRickard
Title: Permitting Analyst Date: 7/24/2013 Email: chris.mcrickard@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: 9/17/2013

API NUMBER 05 123 38059 00	Permit Number: _____	Expiration Date: <u>9/16/2015</u>
--------------------------------------	----------------------	-----------------------------------

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.

COA Type	Description
	Operator acknowledges the proximity of the following wells: Conner 22-34 API # 123-11430, Conner 23-34 API # 123-11470, Darlenne 1 API # 123-10002, Erica 1 API # 123-09996, McConahay 1 API # 123-09005, Rancho 1 API # 123-08576, Rancho 32-34 API # 123-15070. Operator agrees to: provide mitigation option 1, 2 or 3 (per the DJ Basin Horizontal Offset Policy) to mitigate the situation, ensure all applicable documentation is submitted based on the selected mitigation option chosen, and submit a Form 42 ("OTHER – AS SPECIFIED BY PERMIT CONDITION") stating what appropriate mitigation occurred and that it has been completed, prior to the hydraulic stimulation of this well.
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) Comply with Rule 317.i and provide cement coverage from end of 7" casing to a minimum of 200' above Niobrara and from 200' below the Sussex 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.
	Operator must meet water well testing requirements per Rule 318A.
	Note: Request for omission of Open Hole Logging not accepted. A full suite of open hole logs is required for one well on this pad. 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.

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
2114246	PROPOSED SPACING UNIT
400446599	FORM 2 SUBMITTED
400453635	WELL LOCATION PLAT
400453636	CONSULT NOTICE
400453637	MINERAL LEASE MAP
400453638	OFFSET WELL EVALUATION
400453639	DEVIATED DRILLING PLAN
400453640	DIRECTIONAL DATA
400453641	OTHER
400453656	EXCEPTION LOC REQUEST
400453657	EXCEPTION LOC WAIVERS
400454894	SURFACE AGRMT/SURETY

Total Attach: 12 Files

General Comments

User Group	Comment	Comment Date
Permit	Received and attached corrected Proposed Spacing Unit attachment. Ready to pass.	8/20/2013 11:03:08 AM
Permit	Proposed Spacing Unit is S/2N/2, N/2S/2 sec 34, not N/2. Requested corrected attachment. Corrected comment.	8/16/2013 3:22:41 PM
Permit	This form has passed completeness.	7/25/2013 7:49:24 AM

Total: 3 comment(s)

Best Management Practices

No	BMP/COA Type	Description
1	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.
2	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)