

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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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 ☐

Document Number:

2584274

Plugging Bond Surety

20100017

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: NICK G. CURRAN Phone: (720)876-5288 Fax: (720)876-6288
Email: NICK.CURRAN@ENCANA.COM

7. Well Name: EAST RINN Well Number: 24-15

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

9. Proposed Total Measured Depth: 8318

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 15 Twp: 2N Rng: 68W Meridian: 6
Latitude: 40.137910 Longitude: -104.990040

Footage at Surface: 2342 FNL/FSL FSL 2430 FEL/FWL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4874 13. County: WELD

14. GPS Data:

Date of Measurement: 01/22/2010 PDOP Reading: 2.4 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 510 FSL 2130 FEL/FWL FWL Bottom Hole: FNL/FSL 510 FSL 2130 FEL/FWL FWL
Sec: 15 Twp: 2N Rng: 68W Sec: 15 Twp: 2N 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: 302 ft

18. Distance to nearest property line: 163 ft 19. Distance to nearest well permitted/completed in the same formation: 1180 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	SW4
J SAND	JSND	232-23	320	S2
NIOBRARA	NBRR	407	160	SW4

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#: 20090017

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):
SW/4 LESS 2.88 ACRE TRACT LOCATED IN THE NWSW

25. Distance to Nearest Mineral Lease Line: 660 ft 26. Total Acres in Lease: 157

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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☐ No If 28, 29, or 30 are "Yes" a pit permit may be required.

31. Mud disposal: ☒ Offsite ☐ Onsite

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	12+1/4	8+5/8	24	750	320	750	0
1ST	7+7/8	4+1/2	11.6	8,318	280	8,318	7,266

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

33. Comments NO CONDUCTOR CASING WILL BE USED. Encana Oil & Gas (USA) Inc. requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location.

34. Location ID: 305244

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: NICK G. CURRAN

Title: PERMITTING Date: 9/16/2010 Email: NICK.CURRAN@ENCANA.CO

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: David S. Neslin Director of COGCC Date: 10/30/2010

API NUMBER

05 123 32468 00

Permit Number: _____ Expiration Date: 10/29/2012

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) Provide 24 hour notice of MIRU to Jim Precup at 303-469-1902 or e-mail at james.precup@state.co.us
- 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.

Attachment Check List

Att Doc Num	Name	Doc Description
2584274	APD ORIGINAL	LF@2544801 2584274
2584275	WELL LOCATION PLAT	LF@2544802 2584275
2584276	TOPO MAP	LF@2544870 2584276
2584277	LEASE MAP	LF@2544871 2584277
2584278	SURFACE AGRMT/SURETY	LF@2544803 2584278
2584279	30 DAY NOTICE LETTER	LF@2544804 2584279
2584280	DEVIATED DRILLING PLAN	LF@2544872 2584280
2584281	EXCEPTION LOC REQUEST	LF@2544805 2584281
2584282	EXCEPTION LOC WAIVERS	LF@2544806 2584282
2622061	EXCEPTION LOC REQUEST	LF@2611150 2622061
2622062	EXCEPTION LOC WAIVERS	LF@2611151 2622062

Total Attach: 11 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Uploaded Exception Location Request Letter and Waivers to application as attachment. PVG	10/28/2010 5:52:38 PM
Permit	ON HOLD. Application requires a twinning waiver. PVG	10/13/2010 4:24:11 PM
Permit	Review as per Phil G: These applications may be reviewed for completeness now. The location will not need a 306.d variance.	9/27/2010 8:52:13 AM
Permit	From Kent: fail per opr request in discussions Nick Curran with Phil Glasgow about density; consultation may be needed/or alternative; doc needs full proofing	9/22/2010 11:30:57 AM

Total: 4 comment(s)

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