



Document Number:

400174787

Plugging Bond Surety

20100017

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 ☐

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 Curran Phone: (720)876-5288 Fax: (720)876-6288
Email: nick.curran@encana.com

7. Well Name: NORRIS Well Number: 24-32

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

9. Proposed Total Measured Depth: 7769

WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 32 Twp: 3N Rng: 64W Meridian: 6
Latitude: 40.177740 Longitude: -104.580130

Footage at Surface: 1185 feet FNL/FSL FSL 1263 feet FEL/FWL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4831 13. County: WELD

14. GPS Data:

Date of Measurement: 04/29/2011 PDOP Reading: 2.2 Instrument Operator's Name: TOM WINANS

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

Footage at Top of Prod Zone: FNL/FSL 460 FSL 2080 FWL 460 FSL 2080 FWL 460
Bottom Hole: FNL/FSL 460 FSL 2080 FWL 460
Sec: 32 Twp: 3N Rng: 64W Sec: 32 Twp: 3N 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: 2338 ft

18. Distance to nearest property line: 1185 ft 19. Distance to nearest well permitted/completed in the same formation: 1160 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	320	W2
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#: _____

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 64W-SEC 6 & SEC 8-N/2; T3N-64W-SEC 32

25. Distance to Nearest Mineral Lease Line: _____ 460 ft _____ 26. Total Acres in Lease: _____ 1600 _____

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

Method: ☐ Land Farming ☒ Land Spreading ☐ Disposal Facility Other: CLOSED LOOP SYS WILL

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	750	273	750	0
1ST	7+7/8	4+1/2	11.6	0	7,769	174	7,769	6,684

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

33. Comments NO CONDUCTOR CASING WILL BE USED. NO OPEN HOLE LOGS WILL BE RAN.

34. Location ID: 329866

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 CURRAN

Title: PERMITTING AGENT Date: 6/16/2011 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: 7/15/2011

API NUMBER

05 123 33977 00

Permit Number: _____ Expiration Date: 7/14/2013

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 Bo Brown via e-mail at bo.brown@state.co.us.
- 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above the Niobrara and from 200' below 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.

Encana must not drill any further south when completing this well. The bottom hole target of this well is very close to having encroachment issues with units to the south.

Attachment Check List

Att Doc Num	Name
2481001	SURFACE CASING CHECK
2530796	SURFACE AGRMT/SURETY
2530797	CORRESPONDENCE
400174787	FORM 2 SUBMITTED
400175701	WELL LOCATION PLAT
400175702	LEASE MAP
400175717	DEVIATED DRILLING PLAN
400175718	30 DAY NOTICE LETTER
400175719	SURFACE AGRMT/SURETY
400175720	TOPO MAP

Total Attach: 10 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)

BMP

Type	Comment

Total: 0 comment(s)