

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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Document Number:

2590805

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 G. CURRAN Phone: (720)876-5288 Fax: (720)876-6288

Email: NICK.CURRAN@ENCANA.COM

7. Well Name: COSSLETT Well Number: 4-0-22

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

9. Proposed Total Measured Depth: 8843

WELL LOCATION INFORMATION

10. QtrQtr: SENE Sec: 22 Twp: 1N Rng: 68W Meridian: 6

Latitude: 40.039830 Longitude: -104.984630

Footage at Surface: 1496 feet FNL/FSL FNL 1283 feet FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 5185 13. County: WELD

14. GPS Data:

Date of Measurement: 02/08/2010 PDOP Reading: 1.7 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 50 FNL 2625 FEL FEL Bottom Hole: FNL/FSL 50 FNL 2625 FEL FEL
Sec: 22 Twp: 1N Rng: 68W Sec: 22 Twp: 1N 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: 624 ft

18. Distance to nearest property line: 172 ft 19. Distance to nearest well permitted/completed in the same formation: 718 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 ☐ 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 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):
N2NE/4, SE/4 SEC 22 T1N-R68W

25. Distance to Nearest Mineral Lease Line: _____ 50 ft 26. Total Acres in Lease: _____ 240

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	980	390	980	0
1ST	7+7/8	4+1/2	11.6	8,843	290	8,843	7,725

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

33. Comments NO CONDUCTOR CASING WILL BE USED. PROPOSED GWA UNIT CONFIGURATION FOR JSND & NB-CD:
Sec 22: NWNE, NENW & Sec 15: SESW, SWSE ;

34. Location ID: _____ 323151

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: 11/12/2010 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: 12/10/2010

API NUMBER

05 123 32706 00

Permit Number: _____ Expiration Date: 12/9/2012

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) Note surface casing setting depth change from 900' to 980'. Increase cement coverage accordingly and cement to surface.
- 2) Provide 24 hour notice of MIRU to Jim Precup at 303-469-1902 or e-mail at james.precup@state.co.us
- 3) 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.
- 4) 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
2590805	APD ORIGINAL
2590806	WELL LOCATION PLAT
2590807	TOPO MAP
2590808	MINERAL LEASE MAP
2590809	SURFACE AGRMT/SURETY
2590810	30 DAY NOTICE LETTER
2590811	DEVIATED DRILLING PLAN
2590812	PROPOSED SPACING UNIT
2590813	EXCEPTION LOC REQUEST
2590814	WAIVERS

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

BMP

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

Total: 0 comment(s)