

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:

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Date Received:

## 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 ☐

PluggingBond SuretyID

20100017

3. Name of Operator: ENCANA OIL & GAS (USA) INC4. COGCC Operator Number: 1001855. Address: 370 17TH ST STE 1700City: DENVER State: CO Zip: 80202-56326. Contact Name: Bonnie Lamond Phone: (720)876-5156 Fax: (720)876-6177Email: bonnie.lamond@encana.com7. Well Name: HWY 52 Well Number: 4H-32H-O268

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

9. Proposed Total Measured Depth: 13294

## WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 32 Twp: 2N Rng: 68W Meridian: 6Latitude: 40.089360 Longitude: -105.024940

Footage at Surface: 601 feet FNL/FSL 2028 feet FEL/FWL FEL

11. Field Name: Wattenberg Field Number: 9075012. Ground Elevation: 4989 13. County: WELD

## 14. GPS Data:

Date of Measurement: 05/22/2013 PDOP Reading: 1.8 Instrument Operator's Name: John Rice15. If well is ☐ Directional ☒ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 113 FSL 190 FEL 460 FEL/FWL 125 FEL 460  
 Sec: 32 Twp: 2N Rng: 68W Sec: 5 Twp: 1N Rng: 68W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 621 ft18. Distance to nearest property line: 403 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 109 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		400	GWA

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: \_\_\_\_\_22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. 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 ☒ No23b. 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 R68W Sec. 32: S/2SE/4 and other lands. Horizontal Wellbore crosses lease lines within drilling and spacing unit; distance to unit boundary is at least 460'.

25. Distance to Nearest Mineral Lease Line: 0 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 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	
SURF	12+1/4	9+5/8	40#	0	800	100	800	
1ST	8+3/4	7	26#	0	8,294	472	8,294	500
2ND	6+1/8	4+1/2	13.5#	0	13,294	202	13,294	7,994

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).c(1) exception location as the well head is to be further than 50' from an existing well. Request letter and waiver attached. Subject well is closer than 150' to the nearest permitted or producing BHL. A 318A.m. variance request letter attached. Encana Oil & Gas (USA) Inc. also requests the approval of the omission of open hole logs, request letter attached. Proposed unit configuration is SE/4SE/4 Section 32, SW/4SW/4 Section 33, E/2E/2 Section 5, W/2W/2 Section 6

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: Bonnie Lamond

Title: Permitting Analyst Date: \_\_\_\_\_ Email: bonnie.lamond@encana.com

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: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

API NUMBER

05

Permit Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

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.

Date retrieval failed for the subreport 'IntPolicy\_NTC' located at: \\Westpub\Net\Reports\policy\_ntc.rdl. Please check th

### Attachment Check List

Att Doc Num	Name
400454448	WELL LOCATION PLAT
400454450	MINERAL LEASE MAP
400454636	EXCEPTION LOC WAIVERS
400456018	DEVIATED DRILLING PLAN
400456019	EXCEPTION LOC REQUEST
400456021	OTHER
400456024	EXCEPTION LOC REQUEST
400456025	PROPOSED SPACING UNIT
400456027	30 DAY NOTICE LETTER
400456028	OFFSET WELL EVALUATION
400456029	DIRECTIONAL DATA

Total Attach: 11 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>
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.
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.

Total: 2 comment(s)