

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:

400366060

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) INC

4. COGCC Operator Number: 100185

5. Address: 370 17TH ST STE 1700

City: DENVER State: CO Zip: 80202-5632

6. Contact Name: MIRACLE PFISTER Phone: (720)876-3761 Fax: (720)876-4861

Email: miracle.pfister@encana.com

7. Well Name: IONE Well Number: 1B-2H

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

9. Proposed Total Measured Depth: 11851

## WELL LOCATION INFORMATION

10. QtrQtr: NWNE Sec: 2 Twp: 2N Rng: 66W Meridian: 6

Latitude: 40.173440 Longitude: -104.739850

Footage at Surface: 418 feet FNL/FSL FNL 1357 feet FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 5078 13. County: WELD

### 14. GPS Data:

Date of Measurement: 07/27/2012 PDOP Reading: 1.7 Instrument Operator's Name: RICE

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

Footage at Top of Prod Zone: FNL/FSL 601 FNL 1690 FEL 468 FSL 1750 FEL  
Bottom Hole: FNL/FSL 468 FSL 1750 FEL  
Sec: 2 Twp: 2N Rng: 66W Sec: 2 Twp: 2N Rng: 66

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: 1185 ft

18. Distance to nearest property line: 418 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 111

## 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.)
NIOBRARA	NBRR		640	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 2: ALL; SEC 4; S/2; SEC 8: NE/4, SW/4; SEC 10:E/2, NW/4

25. Distance to Nearest Mineral Lease Line: 468 ft 26. Total Acres in Lease: 1760

### 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	916	249	916	0
1ST	8+3/4	7	26	0	7,642	935	7,642	616
2ND	6+1/8	4+1/2	13.5	0	11,851	176	11,851	7,342

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

33. Comments ENCANA REQUESTS THE APPROVAL OF A RULE 318A(l).a.1 AND 318A(l).c.1 EXCEPTION LOCATION AS THE WELL HEAD WILL BE LOCATED OUTSIDE A GWA DRILLING WINDOW AND FURTHER THAN 50' FROM AN EXISTING WELL - REQUEST LETTER AND WAIVERS ATTACHED. ENCANA ALSO REQUESTS THE OMISSION OF OPEN HOLE LOGS - REQUEST LETTER ATTACHED. ENCANA ALSO REQUESTS THE APPROVAL OF A RULE 318A.m. EXCEPTION LOCATION AS THERE IS AN EXISTING WELL THAT FALLS WITHIN 150' OF THE PROPOSED LATERAL - REQUEST LETTER ATTACHED, NO WAIVER REQUIRED AS THE EXISTING WELL IS OPERATED BY ENCANA. PROPOSED SPACING UNIT IS T2N-R66W-SEC.2: ALL. ENCANA PLANS TO DRILL 13 HORIZONTAL WELLS SPACED ACROSS SECTION 2 AND BELIEVE THIS CONFIGURATION WILL EFFECTIVELY DRAIN THE 640 ACRE SPACING UNIT. Due to an extreme angle in the base of the curve which was due to an MWD tool failure and 3 failed attempts to reach TD or any section in the lateral beyond the severe dogleg we decided to sidetrack this well. Verbal approval to do so was given by Stuart Elsworth on 1/5/2013. The KOP is at 7765 MD.

34. Location ID: 430283

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: MIRACLE PFISTER

Title: REGULATORY ANALYST Date: \_\_\_\_\_ Email: miracle.pfister@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**  
05 123 36110 01

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.

Data retrieval failed for the subreport 'IntPolicy\_NTO' located at: W:\Inetpub\Net\Reports\policy\_nto.rdl. Please check th

### Attachment Check List

Att Doc Num	Name
400366062	DEVIATED DRILLING PLAN
400366063	PLAT

Total Attach: 2 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	Anti-collision: 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 asconstructed gyro survey will be submitted to COGCC with the Form 5.
Drilling/Completion Operations	Operator will comply with COGCC Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012.

Total: 2 comment(s)