

**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:  
2581361  
Plugging Bond Surety  
20020067

**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: JEVIN CROTEAU Phone: (720)876-5339 Fax: (720)876-6339  
Email: JEVIN.CROTEAU@ENCANA.COM

7. Well Name: IONE Well Number: 6-8-4

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

9. Proposed Total Measured Depth: 8285

**WELL LOCATION INFORMATION**

10. QtrQtr: NESE Sec: 4 Twp: 2N Rng: 66W Meridian: 6  
Latitude: 40.163980 Longitude: -104.773950

Footage at Surface: 1516 FNL/FSL FSL 312 FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4946 13. County: WELD

14. GPS Data:

Date of Measurement: 02/04/2010 PDOP Reading: 4.0 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 FSL 1320 FEL 50 FEL/FWL 1320 FEL  
Sec: 4 Twp: 2N Rng: 66W Sec: 4 Twp: 2N Rng: 66W

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: 172 ft

18. Distance to nearest property line: 312 ft 19. Distance to nearest well permitted/completed in the same formation: 901 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):  
ALL OF SEC. 2, S2 OF SEC 4, NE OF SEC 8 & E2 OF SEC 10, T2N, R66W

25. Distance to Nearest Mineral Lease Line: 50 ft 26. Total Acres in Lease: 1680

### 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	800	350	800	
1ST	7+7/8	4+1/2	11.6	8,285	280	8,285	7,219

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

33. Comments NO CONDUCTOR CASING WILL BE USED. PROPOSED SPACING UNIT IS S/2SE4 SEC 4 AND N/2NE4 SEC 9. LOCATION IS OUTSIDE THE DRILLING WINDOW AND IS MORE THAN 50' FROM AN EXISTING WELL. EXCEPTIONS GRANTED. RIG HEIGHT COA ADDED.

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: JEVIN CROTEAU

Title: REGULATORY ANALYST Date: 3/31/2010 Email: JEVIN.CROTEAU@ENCANA.C

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. Nashin Director of COGCC Date: 5/10/2010

**API NUMBER**  
05 123 31571 00

Permit Number: \_\_\_\_\_ Expiration Date: 5/9/2012

**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.

RIG HEIGHT CANNOT EXCEED 114 FEET DUE TO CLOSE PROXIMITY OF POWER LINE.

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 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.

RIG HEIGHT CANNOT EXCEED 101 FEET DUE TO CLOSE PROXIMITY OF POWER LINE.

### **Attachment Check List**

Att Doc Num	Name	Doc Description
2581361	APD ORIGINAL	LF@2443845 2581361
2581362	WELL LOCATION PLAT	LF@2443846 2581362
2581363	TOPO MAP	LF@2443873 2581363
2581364	MINERAL LEASE MAP	LF@2443874 2581364
2581365	SURFACE AGRMT/SURETY	LF@2443847 2581365
2581366	30 DAY NOTICE LETTER	LF@2443848 2581366
2581367	DEVIATED DRILLING PLAN	LF@2443849 2581367
2581368	EXCEPTION LOC REQUEST	LF@2443850 2581368
2581369	EXCEPTION LOC WAIVERS	LF@2443851 2581369

Total Attach: 9 Files