

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		DE ET OE ES	
APPLICATION FOR PERMIT TO:			Document Number: 400141754 Plugging Bond Surety 20100017	
1. <input checked="" type="checkbox"/> Drill, <input type="checkbox"/> Deepen, <input type="checkbox"/> Re-enter, <input type="checkbox"/> Recomplete and Operate				
2. TYPE OF WELL OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/> COMMINGLE ZONE <input checked="" type="checkbox"/>			Refiling <input type="checkbox"/> Sidetrack <input type="checkbox"/>	
3. Name of Operator: <u>ENCANA OIL & GAS (USA) INC</u>		4. COGCC Operator Number: <u>100185</u>		
5. Address: <u>370 17TH ST STE 1700</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202-5632</u>				
6. Contact Name: <u>Nick Curran</u> Phone: <u>(720)876-5288</u> Fax: <u>(720)876-6288</u> Email: <u>nick.curran@encana.com</u>				
7. Well Name: <u>ARISTOCRAT ANGUS</u>		Well Number: <u>8-2-4</u>		
8. Unit Name (if appl): _____		Unit Number: _____		
9. Proposed Total Measured Depth: <u>7443</u>				
WELL LOCATION INFORMATION				
10. QtrQtr: <u>LOT 1</u> Sec: <u>4</u> Twp: <u>3N</u> Rng: <u>65W</u> Meridian: <u>6</u> Latitude: <u>40.259970</u> Longitude: <u>-104.662710</u>				
Footage at Surface: <u>604</u> feet FNL/FSL <u>FNL</u> <u>1078</u> feet FEL/FWL <u>FEL</u>				
11. Field Name: <u>WATTENBERG</u>		Field Number: <u>90750</u>		
12. Ground Elevation: <u>4815</u>		13. County: <u>WELD</u>		
14. GPS Data: Date of Measurement: <u>03/23/2011</u> PDOP Reading: <u>2.0</u> Instrument Operator's Name: <u>CRAIG BURKE</u>				
15. If well is <input checked="" type="checkbox"/> Directional <input type="checkbox"/> Horizontal (highly deviated) submit deviated drilling plan. Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL <u>1310</u> <u>FNL</u> <u>50</u> <u>FEL</u> <u>1310</u> <u>FNL</u> <u>50</u> <u>FEL</u> Sec: <u>4</u> Twp: <u>3N</u> Rng: <u>65W</u> Sec: <u>4</u> Twp: <u>3N</u> Rng: <u>65W</u>				
16. Is location in a high density area? (Rule 603b)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
17. Distance to the nearest building, public road, above ground utility or railroad: <u>276 ft</u>				
18. Distance to nearest property line: <u>236 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>890 ft</u>				
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	407-87	160	GWA
NIOBRARA	NBRR	407-87	160	GWA

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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#: 20090011
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):
PLS SEE ATTACHED LEASE DESCRIPTION
25. Distance to Nearest Mineral Lease Line: 1310 ft 26. Total Acres in Lease: 2257

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
SURF	12+1/4	8+5/8	24	0	600	219	600	0
1ST	7+7/8	4+1/2	11.6	0	7,443	101	7,443	6,815
			Stage Tool		4,881	83	4,881	4,281

32. BOP Equipment Type: Annular Preventer Double Ram Rotating Head None
33. Comments NO CONDUCTOR CASING WILL BE USED. PROPOSED SPACING UNIT IS THE E/2NE4, W/2NW4 SEC 3 STAGE TOOL (200' BELOW SX TO 200' ABOVE SX) Encana requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Waiver attached.

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: NICK CURRAN
Title: PERMITTING AGENT Date: 3/31/2011 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. Nesline Director of COGCC Date: 5/24/2011
Permit Number: _____ Expiration Date: 5/23/2013

API NUMBER

05 123 33562 00

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 at 970-397-4124 or 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 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.

Attachment Check List

Att Doc Num	Name
400141754	FORM 2 SUBMITTED
400147650	WELL LOCATION PLAT
400147652	30 DAY NOTICE LETTER
400147656	WAIVERS
400147657	WAIVERS
400147974	LEGAL/LEASE DESCRIPTION
400147976	DEVIATED DRILLING PLAN
400147977	LEASE MAP
400147986	PROPOSED SPACING UNIT
400147988	EXCEPTION LOC REQUEST
400149613	TOPO MAP

Total Attach: 11 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Corrected Surf bond number with permission from Opr-Nick. sf	5/3/2011 4:11:05 PM
Permit	Back to draft surface bond number is wrong	4/4/2011 4:46:13 PM
Permit	Back to draft for topo map to be marked with location. Qtr/Qtr sec is Lot 1. sf	4/1/2011 2:41:28 PM

Total: 3 comment(s)

BMP

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

Total: 0 comment(s)