

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:

400394465

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: Bonnie Lamond Phone: (720)876-5156 Fax: (720)876-6177

Email: bonnie.lamond@encana.com

7. Well Name: MCU Well Number: 21-4B (M16W)

8. Unit Name (if appl): Middleton Creek Unit Number: COC068997
X

9. Proposed Total Measured Depth: 11121

WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 16 Twp: 7S Rng: 93W Meridian: 6

Latitude: 39.439834 Longitude: -107.783358

Footage at Surface: 532 feet FSL 1248 feet FWL

11. Field Name: Mamm Creek Field Number: 52500

12. Ground Elevation: 7889 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 02/04/2013 PDOP Reading: 0.0 Instrument Operator's Name: Ted T. Taggart

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

Footage at Top of Prod Zone: 517 FNL 640 FWL Bottom Hole: 517 FNL 640 FWL
Sec: 21 Twp: 7S Rng: 93W Sec: 21 Twp: 7S Rng: 93W

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: 815 ft

18. Distance to nearest property line: 532 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 320 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.)
Iles	ILES			
Williams Fork	WMFK			

21. Mineral Ownership: Fee State Federal Indian Lease #: COC61121

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):
T7S-R93W; Sec. 21: N2, N2S2, N2SW; Sec. 28: NWNW, S2NW, S2

25. Distance to Nearest Mineral Lease Line: 640 ft 26. Total Acres in Lease: 1000

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	24	16	.25" wall	0	60	5	60	
SURF	12+1/4	9+5/8	36	0	1,210	446	1,210	
1ST	7+7/8	4+1/2	11.6	0	11,121	1,047	11,121	

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

33. Comments Will be a tapered hole. Surface casing will go from 0-200' with a hole size of 14-3/4" and casing size of 9-5/8". It will continue from 200'- 1210' with a hole size of 12-1/4" and casing size of 9-5/8" Production casing will run from 0-8041' with hole size of 8-3/4" and casing size of 4-1/2". And continue on from 8041'-11121' with a hole size of 7-7/8" and casing size of 4-1/2". A revised directional survey and well location plat are attached. All other attachments will remain the same.

34. Location ID: 422418

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 Technician 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
05 045 20590 00

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_NTC' located at: W:\ncatpub\Net\Reports\policy_ntc.rdl. Please check th

Attachment Check List

Att Doc Num	Name
400394485	DIRECTIONAL DATA
400394486	WELL LOCATION PLAT
400394487	DEVIATED DRILLING PLAN

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
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Total: 0 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
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Total: 0 comment(s)