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

Document Number: 400116593

Plugging Bond Surety

APPLICATION FOR PERMIT TO:

1. [X] **Drill,** [ ] Deepen, [ ] Re-enter, [ ] Recomplete and Operate

2. TYPE OF WELL
OIL [ ] GAS [X] COALBED [ ] OTHER _____
SINGLE ZONE [X] 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: DeAnne Spector Phone: (720)876-5826 Fax: (720)876-6826
Email: deanne.spector@encana.com

7. Well Name: HMU Federal Well Number: 16-11D (J16W)

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

9. Proposed Total Measured Depth: 10138

WELL LOCATION INFORMATION

10. QtrQtr: NWSE Sec: 16 Twp: 7S Rng: 93W Meridian: 6
Latitude: 39.443193 Longitude: -107.775676

		FNL/FSL		FEL/FWL
Footage at Surface:	1728 feet	FSL	1666 feet	FEL

11. Field Name: Mamm Creek Field Number: 52500

12. Ground Elevation: 7646 13. County: GARFIELD

14. GPS Data:
Date of Measurement: 06/02/2010 PDOP Reading: 1.9 Instrument Operator's Name: C.D. Slaugh

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

	FNL/FSL		FEL/FWL		Bottom Hole:	FNL/FSL		FEL/FWL	
Footage at Top of Prod Zone:	1370	FSL	2300	FWL		1370	FSL	2300	FWL
Sec:	16	Twp:	7S	Rng:	93W	Sec:	16	Twp:	7S	Rng:	93W

16. Is location in a high density area? (Rule 603b)? [ ] Yes [X] No

17. Distance to the nearest building, public road, above ground utility or railroad: 5430 ft

18. Distance to nearest property line: 915 ft 19. Distance to nearest well permitted/completed in the same formation: 450 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.)
Williams Fork	WMFK			

21. Mineral Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian Lease #: COC55604

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):

T7S-R93W; Sec. 16: W2NE, E2W2, NWNW, SWSW, SE.

25. Distance to Nearest Mineral Lease Line: 1006 ft 26. Total Acres in Lease: 480

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+0/0	16+0/0	.25		40	5	40	0
SURF	12+1/4	9+5/8	36		1,520	466	1,520	0
1ST	7+7/8	4+1/2	11.6		10,138	728	10,138	0

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

33. Comments Production casing will be 200>MSVD.

34. Location ID: 334641

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: DeAnne Spector

Title: Regulatory Analyst Date: 1/13/2011 Email: deanne.spector@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: David S. Neslin **Director of COGCC** Date: 2/13/2011

API NUMBER

05 045 20413 00

Permit Number: Expiration Date: 2/12/2013

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)COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

2)GARFIELD COUNTY RULISON FIELD NOTICE TO OPERATORS. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE

3)NEW MAMM CREEK FIELD NOTICE TO OPERATORS APPLIES TO THIS WELL. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE

4)THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 180 FEET DEEP.

Attachment Check List

Att Doc Num	Name
400116593	FORM 2 SUBMITTED
400116611	DEVIATED DRILLING PLAN
400116619	PLAT
400123668	FED. DRILLING PERMIT

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
Permit	Land has revised the footages for the wells on the J16W pad. Please see the attached spreadsheet and let me know if there is anything else I can do to help you with these submissions. thank you. DeAnne CORRECTIONS MADE FROM SPREADSHEET, BY	1/18/2011 5:35:20 AM

Total: 1 comment(s)

BMP

Type	Comment

Total: 0 comment(s)