

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:

400118243

Plugging Bond Surety

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: DeAnne Spector Phone: (720)876-5826 Fax: (720)876-6826

Email: deanne.spector@encana.com

7. Well Name: HMU Federal Well Number: 21-3A (J16W)

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

9. Proposed Total Measured Depth: 11125

WELL LOCATION INFORMATION

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

Latitude: 39.442960 Longitude: -107.775705

Footage at Surface: 1644 feet FNL/FSL FSL 1679 feet FEL/FWL FEL

11. Field Name: Mamm Creek Field Number: 52500

12. Ground Elevation: 7648 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 Directional Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 335 FNL 2545 FWL 335 FNL 2545 FWL
Bottom Hole: FNL/FSL 335 FNL 2545 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: 7830 ft

18. Distance to nearest property line: 997 ft 19. Distance to nearest well permitted/completed in the same formation: 340 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.)
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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 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):
 7S-93W; Sec. 21: N2, N2S2, S2SW; Sec. 28: NWNW, S2NW, S2.
 25. Distance to Nearest Mineral Lease Line: 335 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+0/0	16+0/0	.25		40	5	40	0
SURF	12+1/4	9+5/8	36		1,669	506	1,669	0
1ST	7+7/8	4+1/2	11.6		11,125	744	11,125	0

32. BOP Equipment Type: Annular Preventer Double Ram Rotating Head None
 33. Comments Production TOC 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 20404 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 1 MILE 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
400118243	FORM 2 SUBMITTED
400118254	PLAT
400118255	DEVIATED DRILLING PLAN
400123710	FED. DRILLING PERMIT

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
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	1/18/2011 5:22:14 AM

Total: 1 comment(s)

BMP

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

Total: 0 comment(s)