

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



Document Number:

400264882

Date Received:

03/26/2012

APPLICATION FOR PERMIT TO:

1. ☐ Drill, ☐ Deepen, ☐ Re-enter, ☒ **Recomplete and Operate**

2. TYPE OF WELL

OIL ☐ GAS ☐ COALBED ☐ OTHER Water Injection
 SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐

Refiling ☐Sidetrack ☐

PluggingBond SuretyID

3. Name of Operator: ENCANA OIL & GAS (USA) INC4. COGCC Operator Number: 1001855. Address: 370 17TH ST STE 1700City: DENVER State: CO Zip: 80202-56326. Contact Name: RUTHANN MORSS Phone: (720)876-5060 Fax: (720)876-6060Email: RUTHANN.MORSS@ENCANA.COM7. Well Name: HMU Well Number: 14-8 (P11SW)8. Unit Name (if appl): HUNTER MESA Unit Number: COC55972E9. Proposed Total Measured Depth: 9750

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 11 Twp: 8S Rng: 93W Meridian: 6Latitude: 39.371750 Longitude: -107.734180

Footage at Surface: 206 feet FNL/FSL 607 feet FEL/FWL FEL

11. Field Name: MAMM CREEK Field Number: 5250012. Ground Elevation: 7707.2 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 07/03/2008 PDOP Reading: 2.3 Instrument Operator's Name: JAY TAGGART15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 1748 FNL 655 FEL 1894 FNL 653 FEL
 Bottom Hole: FNL/FSL 1748 FNL 655 FEL 1894 FNL 653 FEL
 Sec: 14 Twp: 8S Rng: 93W Sec: 14 Twp: 8S Rng: 93W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 4500 ft18. Distance to nearest property line: 206 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 2425 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.)
WASATCH	WSTC			

21. Mineral Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian Lease #: COC5280522. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. 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 ☒ No23b. 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):

T8S-R93W SEC 14: ALL

25. Distance to Nearest Mineral Lease Line: 660 ft

26. Total Acres in Lease: 640

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: no mud will be used

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	9+5/8	36	0	1,275	485	1,275	0
1ST	8+3/4	5+1/2	17	0	9,750	1,615	9,750	3,100

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

33. Comments THIS IS AN EXISTING WELL WHICH WE PLAN TO CONVERT TO INJECTION. THE PREP FOR INJECTION SUNDRY HAS BEEN SUBMITTED SEPARATELY.

34. Location ID: 334323

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: RUTHANN MORSS

Title: REGULATORY ANALYST

Date: 3/26/2012

Email: RUTHANN.MORSS@ENCANA

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: 4/17/2012

API NUMBER

05 045 09403 00

Permit Number: _____

Expiration Date: 4/16/2014

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) operator will obtain water sample for analysis from another well (MCU #2) on same pad.

(3) INJECTION IS NOT AUTHORIZED UNTIL APPROVAL OF FORMs 31 AND 33.

(4) A STEP RATE TEST TO DETERMINE FRACTURE PRESSURE IS PERMISSIBLE BEFORE APPROVING FORMS 31 AND 33, BUT MUST BE GIVEN COGCC APPROVAL PRIOR TO CONDUCTING THE TEST. THE TEST VOLUME MUST NOT EXCEED 5,000 BBLs AND THE TEST DURATION MUST NOT EXCEED 5 DAYS, OR THE TEST VOLUME MUST NOT EXCEED 10,000 BBLs AND THE DURATION MUST NOT EXCEED 10 DAYS.

Attachment Check List

Att Doc Num	Name
400264882	FORM 2 SUBMITTED

Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	eng. COA's regarding injection; no forms 31 & 33 until injectivity tests complete. LGD passed; pub. comments waived. Final Review--passed.	4/17/2012 7:32:32 AM
LGD	Passed	3/27/2012 3:49:32 PM
Permit	Operator input #15, 22b, 31, 32, 34, and 36. This form has passed completeness.	3/27/2012 7:07:10 AM
Permit	Returned to draft. Missing #15, 22b, 31, 32, 34, and 36.	3/26/2012 2:26:41 PM

Total: 4 comment(s)

BMP

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

Total: 0 comment(s)