

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:

400196198

PluggingBond SuretyID

20100017

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

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: Heather Mitchell Phone: (720)876-3070 Fax: (720)876-4070
- Email: heather.mitchell@encana.com
7. Well Name: N. Parachute Well Number: WF03D-14 H15596
8. Unit Name (if appl): _____ Unit Number: _____
9. Proposed Total Measured Depth: 10365

WELL LOCATION INFORMATION

10. QtrQtr: SENE Sec: 15 Twp: 5S Rng: 96W Meridian: 6
Latitude: 39.616839 Longitude: -108.146669

			FNL/FSL			FEL/FWL
Footage at Surface:	2001	feet	FNL	166	feet	FEL

11. Field Name: Grand Valley Field Number: 31290
12. Ground Elevation: 6448 13. County: GARFIELD

14. GPS Data:
- Date of Measurement: 11/22/2010 PDOP Reading: 2.7 Instrument Operator's Name: Robert Kay

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

Footage at Top of Prod Zone:				FNL/FSL	FEL/FWL	Bottom Hole:				FNL/FSL	FEL/FWL
<u>783</u>		<u>FNL</u>		<u>1349</u>	<u>FWL</u>	<u>783</u>		<u>FNL</u>		<u>1349</u>	<u>FWL</u>
Sec:	14	Twp:	5S	Rng:	96W	Sec:	14	Twp:	5S	Rng:	96W

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: 12777 ft
18. Distance to nearest property line: 166 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 210 ft

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	510-13		

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#: _____
- 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):

Please see attached lease maps

25. Distance to Nearest Mineral Lease Line: 1282 ft

26. Total Acres in Lease: 25889

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: Recycle and bury

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	26	16	Linepipe	0	90	134	90	0
SURF	12+1/4	9+5/8	36	0	1,600	305	1,600	0
2ND	7+7/8	4+1/2	12	0	10,365	532	10,365	

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

33. Comments BLM owns surface and Encana owns the minerals. Surface is being covered by ROW with BLM# 17 is calculated from the nearest public utility. Conductor and surface casing cement will be run to surface. The size of the production hole is both 8-3/4" and 7-7/8". Production casing cement is set 200' above the WMFK.

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: Heather Mitchell

Title: Regulatory Analyst Date: 8/22/2011 Email: heather.mitchell@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. Nashin

Director of COGCC Date: 10/12/2011

API NUMBER

05 045 21081 00

Permit Number: _____ Expiration Date: 10/11/2013

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)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 000 FEET DEEP.

Attachment Check List

Att Doc Num	Name
400196198	FORM 2 SUBMITTED
400196207	DEVIATED DRILLING PLAN
400196210	WELL LOCATION PLAT
400196213	LEASE MAP
400199039	SURFACE AGRMT/SURETY

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	LGD/Pub. comments waived. Final Comprehensive Review Status--Passed.	10/11/2011 8:16:47 AM
Permit	ready to approve in permitting when 2A DOW period exp. 10/2	9/23/2011 9:48:46 AM
Permit	CORRECTED FM CODE & SPACING ORDER	9/14/2011 1:39:06 PM
Permit	Returned to draft. Missing ROW attachment.	8/23/2011 1:14:32 PM

Total: 4 comment(s)

BMP

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

Total: 0 comment(s)