

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:

400208981

PluggingBond SuretyID

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☐ GAS ☐ COALBED ☐ OTHER Injection Well
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: Julia Carter Phone: (720)876.5240 Fax: (720)876.6240

Email: Julia.Carter@encana.com

7. Well Name: SG Well Number: WD11A-19 C19495

8. Unit Name (if appl): Story Gulch Unit Number: COC69333X

9. Proposed Total Measured Depth: 8875

WELL LOCATION INFORMATION

10. QtrQtr: NENW Sec: 19 Twp: 4S Rng: 95W Meridian: 6

Latitude: 39.693136

Longitude: -108.098822

Footage at Surface: 744 feet FNL/FSL FNL 2489 feet FEL/FWL FWL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 8122 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 06/21/2010 PDOP Reading: 1.2 Instrument Operator's Name: Greg Olsen

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

Footage at Top of Prod Zone: FNL/FSL 2576 FSL 1651 FWL 2576 FSL 1651 FWL
Bottom Hole: FNL/FSL 2576 FSL 1651 FWL
Sec: 19 Twp: 4S Rng: 95W Sec: 19 Twp: 4S Rng: 95W

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: 2125 ft

18. Distance to nearest property line: 747 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 2661 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 #: COC64805

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):

T4S, R95W, Sec 19: All, Sec 20: W2, Sec 28: N2, N2SW4, Sec 29: N2, Sec 30: NE4

25. Distance to Nearest Mineral Lease Line: 1651 ft

26. Total Acres in Lease: 1842

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 & 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	20	Line Pipe	0	120		120	0
SURF	14+3/4	9+5/8	36#	0	3,000	939	3,000	0
1ST	8+3/4	5+1/2	17#	0	8,875	1,059	8,875	

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

33. Comments Please note Encana Oil & Gas (USA) Inc. owns the surface. This well is designed to be used as an injection well. #17 is measured from the nearest public road. Surface casing hole size will be 14-3/4", 12-1/4" or 13-1/2". Conductor and surface casing will be run to surface. Production casing will be cemented 200' into surface casing.

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: Julia M. Carter

Title: Regulatory Analyst Date: 9/27/2011 Email: Julia.Carter@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. Nesline

Director of COGCC Date: 10/28/2011

API NUMBER

05 045 21132 00

Permit Number: _____ Expiration Date: 10/27/2013

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) APPROVAL OF THIS FORM DOES NOT AUTHORIZE INJECTION. AUTHORIZATION TO INJECT REQUIRES APPROVAL OF FORM 31 AND FORM 33.

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 40 FEET DEEP.

Attachment Check List

Att Doc Num	Name
2537569	LEASE MAP
2537571	DEVIATED DRILLING PLAN
400208981	FORM 2 SUBMITTED
400208986	TOPO MAP
400208987	WELL LOCATION PLAT
400208988	DEVIATED DRILLING PLAN

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	LGD/pub. comm waived. Final Comprehensive Review Status--Passed.	10/27/2011 8:04:25 AM
Permit	off hold-attached new dev. drlg. plan & surface ownership map per oper.'s instructions	10/24/2011 7:37:04 AM
Permit	put on hold--oper. submitted new BHL footages: need new dir. plan. need proof Encana owns surface of Sec. 19 (SHL & BHL)	10/21/2011 1:22:32 PM
Permit	per operator made following changes to form: well number now WD11A-19 C19 495. TD now 8875', PZ footages now 2576' FSL & 1651' FWL, Sec. 19, BHL footages now 2576' FSL & 1651' FWL, Sec. 19, dist. to nearest well permitted in same fm. now 2661'. emailed casing changes to Kevin King.	10/20/2011 2:42:25 PM
Permit	Removed plug. bond since fed. min. Attached related form 2A #400207826.	10/7/2011 10:46:58 AM
Permit	Returned to draft at operator request.	9/28/2011 7:51:18 AM

Total: 6 comment(s)

BMP

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

Total: 0 comment(s)