

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:

400198380

PluggingBond SuretyID

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: MIRACLE PFISTER Phone: (720)876-3761 Fax: (720)876-4861

Email: miracle.pfister@encana.com

7. Well Name: ORCHARD UNIT Well Number: 30-2H (K18OU)

8. Unit Name (if appl): ORCHARD UNIT Unit Number: COC66496X

9. Proposed Total Measured Depth: 13816

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 18 Twp: 8S Rng: 96W Meridian: 6

Latitude: 39.346197 Longitude: -108.155320

Footage at Surface: 1439 feet FNL/FSL 972 feet FEL/FWL FSL FWL

11. Field Name: GRAND VALLEY Field Number: 31290

12. Ground Elevation: 5381 13. County: MESA

14. GPS Data:

Date of Measurement: 06/03/2010 PDOP Reading: 0.0 Instrument Operator's Name: TED TAGGART

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

Footage at Top of Prod Zone: FNL/FSL 1439 FSL 972 FWL 330 FEL/FWL 2526 FEL 330
Sec: 18 Twp: 8S Rng: 96W Sec: 30 Twp: 8S 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: 1950 ft

18. Distance to nearest property line: 1204 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 820 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.)
MANCOS GROUP	MNCS			

21. Mineral Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian Lease #: COC58678

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):

8S-96W SEC 30: LOTS 1-4, NE, E2NW, E2SE SEC 31: E2 SEC 32 SWSW

25. Distance to Nearest Mineral Lease Line: 330 ft 26. Total Acres in Lease: 781

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	16	LINEPIPE	0	40	5	40	0
SURF	14+3/4	10+3/4	40.5	0	1,515	825	1,515	0
1ST	9+7/8	7+5/8	26.4	0	6,567	1,015	6,567	0
2ND	6+3/4	5	23	0	13,816	571	13,816	6,067

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

33. Comments THE NEAREST DISTANCE IS TO A ABOVE GROUND UTILITY. INTEREMDIATE CASING TOP OF CEMENT WILL BE 200' ABOVE MESAVERDE. TOP OF PRODUCTION CEMENT WILL BE 500 FT INSIDE THE INTERMEDIATE 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: MIRACLE PFISTER

Title: REGULATORY ANALYST Date: 8/22/2011 Email: miracle.pfister@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: 10/17/2011

API NUMBER

05 077 10184 00

Permit Number: _____ Expiration Date: 10/16/2013

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) INTERMEDIATE CASING AND PRODUCTION CASING CEMENT TOP VERIFICATION BY CBL REQUIRED.

3) 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 000 FEET DEEP.

Attachment Check List

Att Doc Num	Name
400198380	FORM 2 SUBMITTED
400198501	DEVIATED DRILLING PLAN
400198503	WELL LOCATION PLAT

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	LGD/pub. comm. waived. Final comprehensive review status--passed.	10/17/2011 8:10:50 AM
Permit	fed. permit not attached. ready to approve in permitting when OGLA passes 2A.	10/5/2011 3:57:43 PM
Permit	REQ'D FED. PERMIT FROM OPERATOR.	9/20/2011 11:55:19 AM
Permit	Returned to draft. Mineral lease does not cover production zone.	8/23/2011 6:29:27 AM

Total: 4 comment(s)

BMP

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

Total: 0 comment(s)