

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:

400165342

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: MIRACLE PFISTER Phone: (720)876-3761 Fax: (720)876-4861  
Email: miracle.pfister@encana.com  
7. Well Name: FEDERAL Well Number: 35-16H (ON1)  
8. Unit Name (if appl): MT LOGAN Unit Number: COC74792X  
9. Proposed Total Measured Depth: 14113

WELL LOCATION INFORMATION

10. QtrQtr: SESW Sec: 1 Twp: 8S Rng: 97W Meridian: 6  
Latitude: 39.382642 Longitude: -108.170445

Footage at Surface: 449 feet FNL/FSL 2066 feet FEL/FWL FWL

11. Field Name: HORSETHIEF CREEK Field Number: 37475  
12. Ground Elevation: 5392 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 09/03/2010 PDOP Reading: 2.0 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 449 FSL 2066 FEL/FWL FWL Bottom Hole: FNL/FSL 140 FSL 918 FEL/FWL FEL  
Sec: 1 Twp: 8S Rng: 97W Sec: 35 Twp: 7S Rng: 97W

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: 3368 ft

18. Distance to nearest property line: 376 ft 19. Distance to nearest well permitted/completed in the same formation: 2750 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	MNCS			

21. Mineral Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian Lease #: COC64195

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):  
T7S-R97W SEC 1: NESW, SEC 14: N2

25. Distance to Nearest Mineral Lease Line: 140 ft 26. Total Acres in Lease: 360

### 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	20	LINEPIPE	0	40	5	40	0
SURF	14+3/4	10+3/4	40.5	0	1,400	665	1,400	0
1ST	9+7/8	7+5/8	29.7	0	7,600	1,090	7,600	0
2ND	6+1/2	5	23.2	0	14,113	433	14,113	0

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

33. Comments THE NEAREST DISTANCE IS TO A PUBLIC ROAD. LETTER IS ATTACHED. TOP OF INTERMEDIATE CASING IS 200 FT ABOVE THE MSVD. TOP OF PRODUCTION CEMENT IS 500 FT INSIDE THE INTERMEDIATE CASING.

34. Location ID: 334468

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: 5/16/2011 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. Neslin Director of COGCC Date: 6/22/2011

Permit Number: \_\_\_\_\_ Expiration Date: 6/21/2013

**API NUMBER**

05 045 20791 00

**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.)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 148 FEET DEEP.

**Attachment Check List**

Att Doc Num	Name
400165342	FORM 2 SUBMITTED
400165383	FED. DRILLING PERMIT
400165386	DEVIATED DRILLING PLAN
400165776	PLAT

Total Attach: 4 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Received well location plat resubmittal. BY	5/17/2011 12:32:46 PM
Permit	Well location plat will not open, pushed back to DRAFT and emailed Miracle. BY	5/17/2011 6:36:22 AM

Total: 2 comment(s)

**BMP**

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

Total: 0 comment(s)