

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



|    |    |    |    |
|----|----|----|----|
| DE | ET | OE | ES |
|----|----|----|----|

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 ☒

Document Number:

400103649

Plugging Bond Surety

20100017

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: BENZEL Well Number: 6-11H (J12A)

8. Unit Name (if appl): HUNTER MESA Unit Number: COC 55972X

9. Proposed Total Measured Depth: 18095

WELL LOCATION INFORMATION

10. QtrQtr: NWSE Sec: 12 Twp: 7S Rng: 93W Meridian: 6

Latitude: 39.458430 Longitude: -107.722600

Footage at Surface: 1911 feet FNL/FSL FSL 2345 feet FEL/FWL FEL

11. Field Name: MAMM CREEK Field Number: 52500

12. Ground Elevation: 6259 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 08/12/2010 PDOP Reading: 2.1 Instrument Operator's Name: JMT

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

Footage at Top of Prod Zone: FNL/FSL 1825 FSL 110 FWL FWL Bottom Hole: FNL/FSL 1825 FSL 110 FWL FWL  
Sec: 6 Twp: 7S Rng: 93W Sec: 6 Twp: 7S Rng: 92W

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: 1880 ft

18. Distance to nearest property line: 599 ft 19. Distance to nearest well permitted/completed in the same formation: 2187 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 #: \_\_\_\_\_

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-R-92W SEC 6: LOT3, E2SW

25. Distance to Nearest Mineral Lease Line: \_\_\_\_\_ 110 ft \_\_\_\_\_ 26. Total Acres in Lease: \_\_\_\_\_ 98 \_\_\_\_\_

### 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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☐ No If 28, 29, or 30 are "Yes" a pit permit may be required.

31. Mud disposal: ☐ Offsite ☒ Onsite

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             | 1,500         | 713       | 1,500   | 0       |
| 1ST         | 9+7/8        | 7+5/8          | 29.7     | 0             | 10,000        | 923       | 10,000  | 0       |
| 2ND         | 6+1/2        | 5              | 23.2     | 0             | 18,095        | 531       | 18,095  | 0       |

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

33. Comments THE CLOSEST DISTANCE IS TO A ROAD. TOP OF INTERMEDIATE CASING AND CEMENT will be a minimum of 500' ABOVE THE TOG. Listed as "first string". TOP OF PRODUCTION CASING AND CEMENT IS 500' INTO THE INTERMEDIATE CASING. Listed as "second string". This is a HZ well, but we will be drilling a vertical wellbore to the TD of 14082 to evaluate the reservoirs first (doc # 400094631).

34. Location ID: \_\_\_\_\_ 421020 \_\_\_\_\_

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: 12/20/2010 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: 1/27/2011

Permit Number: \_\_\_\_\_ Expiration Date: 1/26/2013

**API NUMBER**

05 045 20326 01

**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) NEW MAMM CREEK FIELD NOTICE TO OPERATORS APPLIES TO THIS WELL. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE

4) INTERMEDIATE CASING CEMENT TOP VERIFICATION BY CBL REQUIRED.

5) 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 216 FEET DEEP.

**Attachment Check List**

| Att Doc Num | Name                   |
|-------------|------------------------|
| 400103649   | FORM 2 SUBMITTED       |
| 400118037   | DEVIATED DRILLING PLAN |
| 400118039   | PLAT                   |
| 400118040   | 30 DAY NOTICE LETTER   |
| 400118042   | SURFACE AGRMT/SURETY   |

Total Attach: 5 Files

**General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b>  | <b><u>Comment Date</u></b> |
|--------------------------|--|----------------------------|
| Permit                   | REQUESTED CLARIFICATION ON TOP AS IT WAS MARKED AS SAME FOOTAGE AS BHL BUT SHOWS TO BE A HORIZONTAL WELL. EMAILED MIRACLE. THIS IS A PILOT TO THE CEDAR MTN BUT NO VERTICAL APD HAS BEEN SUPPLIED AS OF YET. | 1/10/2011<br>7:04:21 AM    |
| Engineer                 | BHL information requested from operator  | 12/27/2010<br>3:17:20 PM   |

Total: 2 comment(s)

**BMP**

| <b><u>Type</u></b> | <b><u>Comment</u></b> |
|--------------------|-----------------------|
|                    |                       |

Total: 0 comment(s)