

**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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| DE | ET | OE | ES |
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Document Number:

400196391

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: WF03F-14 H15596
8. Unit Name (if appl):  Unit Number:
9. Proposed Total Measured Depth: 10280

## WELL LOCATION INFORMATION

10. QtrQtr: SENE Sec: 15 Twp: 5S Rng: 96W Meridian: 6  
Latitude: 39.616708 Longitude: -108.146539

|                     |      |      |         |     |      |         |
|---------------------|------|------|---------|-----|------|---------|
|                     |      |      | FNL/FSL |     |      | FEL/FWL |
| Footage at Surface: | 2049 | feet | FNL     | 129 | feet | FEL     |

11. Field Name: Grand Valley Field Number: 31290  
12. Ground Elevation: 6458 13. County: GARFIELD

14. GPS Data:
- Date of Measurement: 11/22/2010 PDOP Reading: 2.6 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>1208</u>                  |    | <u>FNL</u> |    | <u>1346</u> |         | <u>FWL</u>   |    | <u>1208</u> |    | <u>FNL</u> |         | <u>1346</u> |    | <u>FWL</u> |    |      |     |
| Sec:                         | 14 | Twp:       | 5S | Rng:        | 96W     | 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: 129 ft      19. Distance to nearest well permitted/completed in the same formation(BHL): 219 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: 1350 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             | 10,280        | 532       | 10,280  |         |

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: 8/23/2011 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 21088 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                   |
|-------------|------------------------|
| 400196391   | FORM 2 SUBMITTED       |
| 400196400   | LEASE MAP              |
| 400196402   | DEVIATED DRILLING PLAN |
| 400196403   | WELL LOCATION PLAT     |
| 400199472   | 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                   | LGD/Pub. comments waived. Final Comprehensive Review Status--Passed. | 10/11/2011<br>8:22:54 AM   |
| Permit                   | ready to approve in permitting when 2A DOW exp. 10/2                 | 9/23/2011<br>9:52:40 AM    |
| Permit                   | Returned to draft at operators request. Location in a high density?  | 8/23/2011<br>3:53:21 PM    |

Total: 3 comment(s)

### **BMP**

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

Total: 0 comment(s)