

**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

Document Number:  
400208157

PluggingBond SuretyID  
20060159

3. Name of Operator: BLACK RAVEN ENERGY INC      4. COGCC Operator Number: 10203

5. Address: 1331 17TH STREET - #350  
City: DENVER      State: CO      Zip: 80202

6. Contact Name: Janice Aldstadt      Phone: (303)308-1330      Fax: (303)308-1590  
Email: jaldstadt@blackravenenergy.com

7. Well Name: VIESELMEYER      Well Number: 943-33-41

8. Unit Name (if appl): \_\_\_\_\_      Unit Number: \_\_\_\_\_

9. Proposed Total Measured Depth: 3000

**WELL LOCATION INFORMATION**

10. QtrQtr: NENE      Sec: 33      Twp: 9N      Rng: 43W      Meridian: 6  
Latitude: 40.717920      Longitude: -102.133570

Footage at Surface: \_\_\_\_\_ feet      FNL/FSL \_\_\_\_\_ feet      FEL/FWL \_\_\_\_\_ feet  
FNL 310      FEL \_\_\_\_\_

11. Field Name: WILDCAT      Field Number: 99999

12. Ground Elevation: 3646      13. County: PHILLIPS

14. GPS Data:  
Date of Measurement: 08/11/2011      PDOP Reading: 1.8      Instrument Operator's Name: NEAL MCCORMICK

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 \_\_\_\_\_

Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_      Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

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: 241 ft

18. Distance to nearest property line: 310 ft      19. Distance to nearest well permitted/completed in the same formation(BHL): 975 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.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| NIOBRARA               | NBRR           |                         |                               |                                      |

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):

TOWNSHIP 8 NORTH RANGE 43 WEST SECTION 5: N/2NE4. TOWNSHIP 9 NORTH RANGE 43 WEST SECTION: 33 E/2

25. Distance to Nearest Mineral Lease Line: 310 ft 26. Total Acres in Lease: 400

### 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: EVAP & BURIAL

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 |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|
| SURF        | 9+7/8        | 7+0/0          | 17    | 12            | 450           | 180       | 450     | 0       |
| 1ST         | 6+1/4        | 4+1/2          | 10.5  | 12            | 3,000         | 80        | 3,000   | 1,600   |

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

33. Comments NO CONDUCTOR CASING WILL BE USED. THE PERFORATED INTERVAL IS ESTIMATED TO BE SHALLOWER THAN 2500 FEET.

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: JANICE ALDSTADT

Title: LANDMAN Date: 10/11/2011 Email: jaldstadt@blackravenenergy.

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. Noshin Director of COGCC Date: 11/2/2011

#### API NUMBER

05 095 06378 00

Permit Number: \_\_\_\_\_ Expiration Date: 11/1/2013

#### 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.

The perforated interval or completed interval must be shallower than 2500 feet in true vertical depth without an approved exception location. Per rule 318a.

- 1) Provide 24 hour notice of MIRU to Jim Precup at 303-469-1902 or e-mail at james.precup@state.co.us.
- 2) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) If dry hole, set 35 sks cement 50' above Niobrara top, 35 sks cement ½ out, ½ in surface casing, 10 sks cement at top of surface casing, cut casing 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole.

### **Attachment Check List**

| Att Doc Num | Name               |
|-------------|--------------------|
| 400208157   | FORM 2 SUBMITTED   |
| 400208158   | TOPO MAP           |
| 400208159   | WELL LOCATION PLAT |

Total Attach: 3 Files

### **General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b>                                      | <b><u>Comment Date</u></b> |
|--------------------------|--|----------------------------|
| Permit                   | No LGD or public comment received; final review completed. | 11/1/2011<br>2:44:56 PM    |
| Permit                   | On hold - Lease says NW/4 and it may be the NE/4.          | 10/12/2011<br>5:38:32 PM   |
| Permit                   | Operator changed #22 to yes. Form has passed completeness. | 10/12/2011<br>10:22:30 AM  |
| Permit                   | Returned to draft. Missing an answer to question 22b.      | 10/11/2011<br>3:15:52 PM   |

Total: 4 comment(s)

### **BMP**

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

Total: 0 comment(s)