

**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:  
400229355

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: On The Brink      Well Number: 843-3-14

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

9. Proposed Total Measured Depth: 3000

**WELL LOCATION INFORMATION**

10. QtrQtr: SWSW      Sec: 3      Twp: 8N      Rng: 43W      Meridian: 6  
Latitude: 40.687150      Longitude: -102.143110

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

11. Field Name: WILDCAT      Field Number: 99999

12. Ground Elevation: 3667      13. County: PHILLIPS

14. GPS Data:  
Date of Measurement: 11/21/2011      PDOP Reading: 2.9      Instrument Operator's Name: KEVIN 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: 356 ft

18. Distance to nearest property line: 356 ft      19. Distance to nearest well permitted/completed in the same formation(BHL): 2200 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 3-S1/2

25. Distance to Nearest Mineral Lease Line: 356 ft 26. Total Acres in Lease: 320

### 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 PEROFATED INTERVAL IS ESTIMATED TO BE SHALLOWER THAN 2500 FEET. Black Raven Energy is requesting Expedited Approval of Forms 2 & 2A (Rule 303.1) due to exigent circumstances and therefore has attached a copy of the surface owner waiver as part of this application.

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: 12/9/2011 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. Nesline Director of COGCC Date: 12/19/2011

<b>API NUMBER</b>
05 095 06394 00

Permit Number: \_\_\_\_\_ Expiration Date: 12/18/2013

#### 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) Provide 24 hour notice of MIRU to Jim Precup at 303-469-1902 or e-mail at James.Precup@state.co.us.
- 2) Set surface casing at least 50' into Pierre Shale for aquifer coverage, (450' minimum - as proposed).
- 3) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4) 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
2531597	VARIANCE REQUEST
2531624	WAIVERS
400229355	FORM 2 SUBMITTED
400230391	TOPO MAP
400230392	WELL LOCATION PLAT
400231034	WAIVERS

Total Attach: 6 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	No LGD or public comment received; final review completed.	12/19/2011 10:42:27 AM
Permit	exigent variance approved 12/19/2011.	12/19/2011 10:42:03 AM
Permit	A well being completed at a depth of 2500 feet or more must be 600 feet from a lease line and be at least 1200 feet from a well permitted/producing from the same formation, or requires an approved exception location. per rule 318a.	12/12/2011 7:27:18 AM
Permit	Operator is requesting exigent circumstances to fulfill drilling obligations. Waivers attached.	12/12/2011 7:04:14 AM

Total: 4 comment(s)

**BMP**

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

Total: 0 comment(s)