

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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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:  
400097068  
Plugging Bond Surety  
20060159

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

5. Address: 1125 17TH ST STE 2300  
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: Oltjenbruns Well Number: 843-7-33

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

9. Proposed Total Measured Depth: 3000

WELL LOCATION INFORMATION

10. QtrQtr: NWSE Sec: 7 Twp: 8N Rng: 43W Meridian: 6  
Latitude: 40.676610 Longitude: -102.193160

Footage at Surface: 1730 feet <sup>FNL/FSL</sup> FSL 2630 feet <sup>FEL/FWL</sup> FEL

11. Field Name: Unnamed Field Number: 85251

12. Ground Elevation: 3708 13. County: PHILLIPS

14. GPS Data:

Date of Measurement: 08/09/2010 PDOP Reading: 2.4 Instrument Operator's Name: Neal McCormick

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

Footage at Top of Prod Zone: <sup>FNL/FSL</sup> \_\_\_\_\_ <sup>FEL/FWL</sup> \_\_\_\_\_ Bottom Hole: <sup>FNL/FSL</sup> \_\_\_\_\_ <sup>FEL/FWL</sup> \_\_\_\_\_

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: 1730 ft

18. Distance to nearest property line: 872 ft 19. Distance to nearest well permitted/completed in the same formation: 2197 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.)
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 Bon  \$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):  
SE/4, Section 7, T8N-R43W

25. Distance to Nearest Mineral Lease Line: 872 ft 26. Total Acres in Lease: 160

### 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: 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/Line Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
SURF	9+7/8	7+0/0	17#		450	180	450	0
1ST	6+1/4	4+1/2	10.5#		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 2,500 feet. Pooling agreement attached.

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: 10/2/2010 Email: jaldstadt@blackravenenergy.co

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: 1/16/2011

<b>API NUMBER</b>
05 095 06301 00

Permit Number: \_\_\_\_\_ Expiration Date: 1/15/2013

**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 hr notice of spud to Colby Horton at 970-467-2517 or colby.horton@state.co.us.
2. Set surface casing per Rule 317d, cement to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC.
3. If completed, provide cement coverage from TD to 200' above Niobrara. Verify coverage with cement bond log.
4. If well is a dry hole set the following plugs: a) 35 sks cement from 50' above Niobrara top up, b) 35 sks cement ½ out, ½ in surface casing c) 10 sks cement at top of surface casing, cut casing 4' below GL, weld on plate, 5 sks cement in rat hole and 5 sks cement in mouse hole. Restore surface location.

### Attachment Check List

Att Doc Num	Name
2530087	OTHER
400097068	FORM 2 SUBMITTED
400097071	WELL LOCATION PLAT
400097072	TOPO MAP

Total Attach: 4 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Pooling Agreement attached.	1/11/2011 1:33:27 PM
Permit	This well will be the second well that a pooling agreement will be put together for.	12/28/2010 3:10:36 PM
Permit	Black Raven is putting together a pooling agreement.	11/30/2010 12:36:15 PM
Permit	On Hold This well appears to be 90 feet from the lease line not 872 as written in on the permit.	10/14/2010 5:32:44 AM
Permit	removed location pictures; notified operator	10/4/2010 5:39:03 PM

Total: 5 comment(s)

### BMP

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

Total: 0 comment(s)