

**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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Document Number:

400192029

PluggingBond SuretyID

20060159

**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: 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: Olson Well Number: 943-31-13
8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_
9. Proposed Total Measured Depth: 3000

## WELL LOCATION INFORMATION

10. QtrQtr: NWSW Sec: 31 Twp: 9N Rng: 43W Meridian: 6  
Latitude: 40.711570 Longitude: -102.184970

			FNL/FSL		FEL/FWL
Footage at Surface:	2400	feet	FSL	1300	feet
					FWL

11. Field Name: Unnamed Field Number: 85251  
12. Ground Elevation: 3697 13. County: PHILLIPS

14. GPS Data:
- Date of Measurement: 08/09/2010 PDOP Reading: 2.1 Instrument Operator's Name: Kevin McCormick

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

Footage at Top of Prod Zone:			Bottom Hole:		
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: 1300 ft
18. Distance to nearest property line: 278 ft 19. Distance to nearest well permitted/completed in the same formation: 1841 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 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):

N/2 - Sec. 7, T8N-R43W; SW/4 - Sec. 31, T9N-T43W; W/2, Sec. 26, T9N-R44W

25. Distance to Nearest Mineral Lease Line: 278 ft

26. Total Acres in Lease: 802

### 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 2,500 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: 8/5/2011 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 G. Neslin

Director of COGCC Date: 8/31/2011

#### API NUMBER

05 095 06347 00

Permit Number: \_\_\_\_\_ Expiration Date: 8/30/2013

#### 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 e-mail at colby.horton@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.

A well being completed deeper than 2500 feet 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.

### **Attachment Check List**

Att Doc Num	Name
400192029	FORM 2 SUBMITTED
400192674	WELL LOCATION PLAT
400192675	TOPO MAP

Total Attach: 3 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>

Total: 0 comment(s)

### **BMP**

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

Total: 0 comment(s)