

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:

2096582

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)308-1330X1 Fax: (303)308-1590

Email: JALDSTADT@BLACKRAVENENERGY.COM

7. Well Name: VIESELMEYER Well Number: 943-33-34

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 3000

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 33 Twp: 9N Rng: 43W Meridian: 6

Latitude: 40.707680 Longitude: -102.138910

Footage at Surface: 860 FNL/FSL FSL FEL/FWL 1770 FEL FEL

11. Field Name: AMHERST Field Number: 2480

12. Ground Elevation: 3661 13. County: PHILLIPS

14. GPS Data:

Date of Measurement: 11/12/2009 PDOP Reading: 3.8 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: 560 ft

18. Distance to nearest property line: 860 ft 19. Distance to nearest well permitted/completed in the same formation: 2217 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	SW SPACING		

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):
 LOTS 1,2,3 - 2-T8N-R43W; SW-23-T8N-R43W; S/2-26-T8N-R43W; E/2-33-T9N-R43W

25. Distance to Nearest Mineral Lease Line: 860 ft 26. Total Acres in Lease: 963

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: EVAPORATION & 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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	9+7/8	7	17	450	180	450	0
1ST	+1/4	4+1/2	10.5	3,000	80	3,000	1,900

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

33. Comments NO CONDUCTOR CASING WILL BE USED. SEE ATTACHED AND SUBMITTED SUNDRY NOTICE FOR CHANGE OF LOCATION. THE PERFORATED INTERVAL IS ESTIMATED TO BE SHALLOWER THAN 2500'. NOTHING ELSE HAS CHANGED SINCE ORIGINAL APD WAS SUBMITTED AND APPROVED UNDER API #05-095-06235-00.

34. Location ID: 314143

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: 2/22/2010 Email: JALDSTADT@BLACKRAVENE

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: 4/12/2010

API NUMBER 05 095 06235 00	Permit Number: _____	Expiration Date: <u>4/11/2012</u>
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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.

COGCC ENG COA 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	Doc Description
2096582	APD ORIGINAL	LF@2424069 2096582
2096591	WELL LOCATION PLAT	LF@2424070 2096591
2096592	TOPO MAP	LF@2424071 2096592
2096593	30 DAY NOTICE LETTER	LF@2424072 2096593
2096594	ACCESS ROAD MAP	LF@2424165 2096594
400043292	FORM 2 SUBMITTED	LF@2431477 400043292

Total Attach: 6 Files