

FORM

2

Rev
12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400301517

Date Received:

10/17/2012

PluggingBond SuretyID

20060159

APPLICATION FOR PERMIT TO:

1. ☐ Drill, ☐ Deepen, ☐ Re-enter, ☒ **Recomplete and Operate**

2. TYPE OF WELL

OIL ☐ GAS ☐ COALBED ☐ OTHER Injection
SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐Refiling ☐Sidetrack ☐3. Name of Operator: BLACK RAVEN ENERGY INC4. COGCC Operator Number: 102035. Address: 1331 17TH STREET - #350City: DENVER State: CO Zip: 802026. Contact Name: Scott Ritger Phone: (303)887-9266 Fax: (303)308-1590Email: sritger@ticdenver.com7. Well Name: Nichols Well Number: 13A-24

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

9. Proposed Total Measured Depth: 5760

WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 24 Twp: 1N Rng: 58W Meridian: 6Latitude: 40.042788Longitude: -103.815133Footage at Surface: 580 feet FNL 1080 feet FEL11. Field Name: Adena Field Number: 70012. Ground Elevation: 4562 13. County: MORGAN

14. GPS Data:

Date of Measurement: 10/04/2011 PDOP Reading: 3.3 Instrument Operator's Name: Theresa McCollom15. 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 ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 560 ft18. Distance to nearest property line: 580 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 879 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.)
D Sand	DSND	26-60	1200	

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: _____22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No Surface Surety ID#: 2011016423a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☐ Yes ☐ No23b. 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):

East Half of section 24, T1N R58W, 6th Prime Meridian

25. Distance to Nearest Mineral Lease Line: 580 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: No drilling mud will be used.

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	12+1/4	8+5/8	32	0	138	100	138	0
1ST	7+7/8	5+1/2	15.5	0	5,756	225	5,756	4,447

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

33. Comments Nearest public road (560') is the section line road that runs east-west along the northern edge of section 24, T1N R58W. Nearest property line (580') is the southern edge of section 13, T1N R58W. Nearest well completed in the same formation (879') is the Nichols #4. This permit is being submitted with a Form 33, Injection Well Permit Application. The Nichols 13A-24 will be converted to a D sand water injection well in the D Sand Enhanced Recovery Unit that was approved under COGCC Order 26-60 on May 21, 1990. A Form 2A is not required for this recompletion because no pit will be constructed and there will be no additional surface disturbance beyond the originally disturbed area. No conductor casing was used when this well was drilled; the casing consists of surface casing and a production string.

34. Location ID: 313906

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: Scott Ritger

Title: Geologist Date: 10/17/2012 Email: sritger@ticdenver.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: Matthew Lee Director of COGCC Date: 11/26/2012

API NUMBER

05 087 07827 00

Permit Number: _____ Expiration Date: 11/25/2014

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 remedial cement from 220' to 50' above surface casing shoe (minimum). Verify with CBL.
- 2) Approval of this permit does not authorize injection. Approval of COGCC Forms 31 and 33 required prior to injection.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

Att Doc Num	Name
400301517	FORM 2 SUBMITTED

Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Discussed rem cmt w/ operator	11/20/2012 2:57:58 PM
Engineer	discussing rem cmt w/ operator	11/15/2012 1:25:21 PM
Permit	Final Review Completed. No LGD or public comment received.	11/13/2012 9:26:13 AM
Permit	Changed well type per operator.	10/25/2012 12:53:49 PM
Permit	Initial review complete. Form 4 and 33 have been received.	10/24/2012 7:57:34 AM
Permit	This well was originally permitted in the J Sand. The nearest active J sand well is 879' away and is the Nichols #4. The nearest active D sand well is roughly 1502' away and is the Clar B-1 which is currently being permitted.	10/24/2012 7:55:03 AM
Permit	Operator commented no conductor casing used or plan to use for this well and emailed operator if well location plat is available/exists for this well. This form passed completeness.	10/23/2012 1:20:03 PM
Permit	Return to draft: 1. Conductor casing information is incomplete. If no conductor casing is used then this must be stated under Operator Comments section. 2. Operator comments section does not indicate no changes to the well, and therefore, required supporting attachments are missing.	10/19/2012 2:43:22 PM

Total: 8 comment(s)

BMP

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

Total: 0 comment(s)