

**APPLICATION FOR PERMIT TO:**

Drill     Deepen     Re-enter     **Recomplete and Operate**

Date Received:  
04/15/2015

TYPE OF WELL    OIL     GAS     COALBED     OTHER Water Disposal    Refilling

ZONE TYPE    SINGLE ZONE     MULTIPLE ZONES     COMMINGLE ZONES     Sidetrack

Well Name: State    Well Number: 1-SWD

Name of Operator: BLACK RAVEN ENERGY INC    COGCC Operator Number: 10203

Address: 165 S UNION BLVD SUITE 410

City: LAKEWOOD    State: CO    Zip: 80228

Contact Name: David Kunovic    Phone: (303)308-1330    Fax: (303)308-1590

Email: dkunovic@enerjexresources.com

**RECLAMATION FINANCIAL ASSURANCE**

Plugging and Abandonment Bond Surety ID: 20060159

**WELL LOCATION INFORMATION**

QtrQtr: NENE    Sec: 16    Twp: 8N    Rng: 61W    Meridian: 6

Latitude: 40.667370    Longitude: -104.203430

Footage at Surface: 634 feet    FNL/FSL    FNL 781 feet    FEL/FWL    FEL

Field Name: SEVEN CROSS    Field Number: 77000

Ground Elevation: 4930    County: WELD

GPS Data:  
Date of Measurement: 03/24/2008    PDOP Reading: 2.0    Instrument Operator's Name: Darren Veal

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: \_\_\_\_\_

**LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT**

Surface Ownership:  Fee     State     Federal     Indian

The Surface Owner is:  is the mineral owner beneath the location.  
(check all that apply)  is committed to an Oil and Gas Lease.  
 has signed the Oil and Gas Lease.  
 is the applicant.

The Mineral Owner beneath this Oil and Gas Location is:  Fee     State     Federal     Indian

The Minerals beneath this Oil and Gas Location will be developed by this Well: No

The right to construct the Oil and Gas Location is granted by: \_\_\_\_\_

Surface damage assurance if no agreement is in place: Blanket    Surface Surety ID: 20110164

## LEASE INFORMATION

Using standard QtrQtr, Sec, Twp, Rng format, describe one entire mineral lease that will be produced by this well (Describe lease beneath surface location if produced. Attach separate description page or map if necessary.)

T8N-R61W, Section 16 ALL

Total Acres in Described Lease: 640 Described Mineral Lease is:  Fee  State  Federal  Indian

Federal or State Lease # 7871.3

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 634 Feet

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 3780 Feet  
Building Unit: 5280 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 634 Feet  
Above Ground Utility: 3860 Feet  
Railroad: 5280 Feet  
Property Line: 634 Feet

### INSTRUCTIONS:

- All measurements shall be provided from center of the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5).
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

## DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a:  Buffer Zone  
 Exception Zone  
 Urban Mitigation Area

- Buffer Zone – as described in Rule 604.a.(2), within 1,000' of a Building Unit
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: \_\_\_\_\_

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: \_\_\_\_\_

## SPACING and UNIT INFORMATION

Distance from Completed Portion of Wellbore to Nearest Wellbore Permitted or Completed in the same formation: 5280 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 634 Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

## SPACING & FORMATIONS COMMENTS

The J Sand is spaced on 40 acre spacing in the general area. There are no other J-sand producing wells within 1 mile.

## OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
J SAND	JSND			

## DRILLING PROGRAM

Proposed Total Measured Depth: 7215 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 3981 Feet (Including plugged wells)

Will a closed-loop drilling system be used? No

Is H<sub>2</sub>S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H<sub>2</sub>S Drilling Operations Plan)

Will salt sections be encountered during drilling?     No      
 Will salt based (>15,000 ppm Cl) drilling fluids be used?     No      
 Will oil based drilling fluids be used?     No      
 BOP Equipment Type:  Annular Preventor  Double Ram  Rotating Head  None

**GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING**

Water well sampling required per Rule     N/A    

**DRILLING WASTE MANAGEMENT PROGRAM**

Drilling Fluids Disposal: \_\_\_\_\_ Drilling Fluids Disposal Methods: \_\_\_\_\_

Cuttings Disposal: \_\_\_\_\_ Cuttings Disposal Method: \_\_\_\_\_

Other Disposal Description: \_\_\_\_\_

This well has already been drilled. It will be converted to a water disposal well. There will be no drilling and no need for disposal of drilling waste.

Beneficial reuse or land application plan submitted? \_\_\_\_\_

Reuse Facility ID: \_\_\_\_\_ or Document Number: \_\_\_\_\_

**CASING PROGRAM**

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
SURF	12+3/4	10+3/4	32.75	0	230	200	230	0
1ST	7+7/8	4+1/2	11.6	0	7215	350	7210	5960

Conductor Casing is NOT planned

**DESIGNATED SETBACK LOCATION EXCEPTIONS**

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

**GREATER WATTENBERG AREA LOCATION EXCEPTIONS**

Check all that apply:

- Rule 318A.a. Exception Location (GWA Windows).
- Rule 318A.c. Exception Location (GWA Twinning).

**RULE 502.b VARIANCE REQUEST**

Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number \_\_\_\_\_

**OTHER LOCATION EXCEPTIONS**

Check all that apply:

- Rule 318.c. Exception Location from Rule or Spacing Order Number \_\_\_\_\_
- Rule 603.a.(2) Exception Location (Property Line Setback).

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

## OPERATOR COMMENTS AND SUBMITTAL

Comments This well is a recently shut-in J-sand producer. The well is capable of producing non-commercial oil & gas. The well will be recompleted as a water disposal well upon approval of the injection permits which have been submitted. The injection zone will be the the J-Sand in the existing perforations. We may decide to perforate an additional 20 ft. of J-Sand from 7190-7210 ft.

Simple procedure: Pull rods & bottom hole pump and tubing. Test tubing - run in hole with injection packer set approximately 50 ft. above perms in J-sand - MIT well - Run Injection test - Notify COGCC.

Note: We are using all existing equipment including existing tank battery and existing flow lines. There will be no new surface facility and no surface disturbance.

This application is in a Comprehensive Drilling Plan \_\_\_\_\_ CDP #: \_\_\_\_\_

Location ID: 405223

Is this application being submitted with an Oil and Gas Location Assessment application? \_\_\_\_\_ No

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: David Kunovic

Title: VP Exploration Date: 4/15/2015 Email: dkunovic@enerjexresources.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: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

### API NUMBER

05 123 05571 00

## Conditions Of Approval

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.

## Best Management Practices

### No BMP/COA Type

### Description

No BMP/COA Type	Description

## Attachment Check List

### Att Doc Num

### Name

400825858	FORM 2 SUBMITTED
400826042	WELLBORE DIAGRAM
400826043	WELLBORE DIAGRAM
400826045	OTHER

Total Attach: 4 Files

## General Comments

### User Group

### Comment

### Comment Date

Permit	Coordinates do not match scout card. Return to draft.	4/17/2015 12:31:56 PM
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Total: 1 comment(s)

**SUBMITTED**