

APPLICATION FOR PERMIT TO:

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

Date Received:
10/01/2014

TYPE OF WELL OIL GAS COALBED OTHER _____ Refilling

ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES Sidetrack

Well Name: GLENN Well Number: I-1

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: SESE Sec: 30 Twp: 2N Rng: 57W Meridian: 6

Latitude: 40.102673 Longitude: -103.793814

Footage at Surface: 330 feet FNL/FSL 330 feet FEL/FWL

Field Name: ADENA Field Number: 700

Ground Elevation: 4422 County: MORGAN

GPS Data:
Date of Measurement: 10/05/2011 PDOP Reading: 2.0 Instrument Operator's Name: Theresa McCollom

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: Yes

The right to construct the Oil and Gas Location is granted by: oil and gas lease

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

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.)

T2N-R57W, Section 30, SE/4

Total Acres in Described Lease: 160 Described Mineral Lease is: Fee State Federal Indian

Federal or State Lease # _____

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 330 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 550 Feet

Building Unit: 5280 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 318 Feet

Above Ground Utility: 98 Feet

Railroad: 5280 Feet

Property Line: 330 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: 1293 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 330 Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): _____ Unit Number: _____

SPACING & FORMATIONS COMMENTS

This well is a shut-in (SI) J-Sand producer in the Adena J Sand Unit. Black Raven plans to reactivate the J-Sand from the current perforations. If the J Sand is not productive, then the well will be recompleted in the D-Sand

OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
D SAND	DSND	26-1	40	S. 30 SESE
J SAND	JSND	26-31		

DRILLING PROGRAM

Proposed Total Measured Depth: 5640 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 1293 Feet (Including plugged wells)

Will a closed-loop drilling system be used? No

Is H₂S gas reasonably expected to be encountered during drilling operations at concentrations greater than

or equal to 100 ppm? No (If Yes, attach an H2S 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 is a recompletion. There will be no drilling waste (no drilling).

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+1/4	8+5/8	24	0	98	100	100	0
1ST	7+7/7	5+1/2	14 & 15.5	0	5637	250	5598	4000

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 The location footage numbers are correct from the nearest section line and the location has been resurveyed (NAD83). Nearest above ground utility is owned by Black Raven - it was used to power the submersible pump when the well was producing. This power line will be deactivated when the work is being done. Nearest property line is 330 ft from the site. The well is currently a shut-in J-Sand producer which we plan to reactivate. If the J Sand reactivation is not successful, then the well will be recompletd in the D Sand. Plan to set a CIBP above the current J Sand perms and recomplete the D Sand. A Form 2A is not required for this recompletd because no pit will be constructed and there will be no surface disturbance beyond the originally disturbed area. No conductor casing was set when the well was drilled; the casing consists of a surface string and a production string.

This application is in a Comprehensive Drilling Plan _____ CDP #: _____

Location ID: 313801

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: 10/1/2014 Email: dkunovic@enerjexresources.co

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: 3/9/2015

Expiration Date: 03/08/2017

API NUMBER
05 087 05584 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.

<u>COA Type</u>	<u>Description</u>

Best Management Practices

<u>No BMP/COA Type</u>	<u>Description</u>

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

Att Doc Num	Name
2238348	PROPOSED PROCEDURE
400699026	FORM 2 SUBMITTED
400699174	WELLBORE DIAGRAM
400699177	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
Permit	Final Review Completed. No LGD or public comment received.	3/9/2015 3:45:05 PM
Permit	Operator submitted proposed procedure.	3/9/2015 1:51:37 PM
Permit	ON HOLD - Operator is working over currently permitted formation and if unsuccessful will move forward with this APD. Operator changed distance to unit boundary from 3135' to 330'.	12/9/2014 10:03:11 AM
Permit	Distance to unit boundary is incorrect. No procedure document attached. Emailed operator to correct.	10/31/2014 10:56:01 AM
Permit	Passed Completeness	10/6/2014 11:10:28 AM

Total: 5 comment(s)