

**APPLICATION FOR PERMIT TO:**

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

TYPE OF WELL	OIL <input checked="" type="checkbox"/>	GAS <input type="checkbox"/>	COALBED <input type="checkbox"/>	OTHER _____	Refiling <input type="checkbox"/>
ZONE TYPE	SINGLE ZONE <input checked="" type="checkbox"/>	MULTIPLE ZONES <input type="checkbox"/>	COMMINGLE ZONES <input type="checkbox"/>		Sidetrack <input type="checkbox"/>

Date Received:  
08/27/2014

Well Name: Matira West Federal      Well Number: 30-19-14-3CH

Name of Operator: CIRQUE RESOURCES LP      COGCC Operator Number: 10470

Address: 475 17TH STREET #1600

City: DENVER      State: CO      Zip: 80202

Contact Name: David Platt      Phone: (303)573-4436      Fax: (303)573-4420

Email: david@windmillenergy.net

**RECLAMATION FINANCIAL ASSURANCE**

Plugging and Abandonment Bond Surety ID: 20130066

**WELL LOCATION INFORMATION**

QtrQtr: SESW      Sec: 30      Twp: 12N      Rng: 65W      Meridian: 6

Latitude: 40.971950      Longitude: -104.707500

Footage at Surface: 255 feet      FNL/FSL FSL 1940 feet      FEL/FWL FWL

Field Name: WILDCAT      Field Number: 99999

Ground Elevation: 6019      County: WELD

GPS Data:  
Date of Measurement: 08/06/2014      PDOP Reading: 1.4      Instrument Operator's Name: Scott Estabrooks

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

1020      FSL      1940      FWL      162      FNL      1940      FWL

Sec: 30      Twp: 12N      Rng: 65W      Sec: 19      Twp: 12N      Rng: 65W

**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: Bond

Surface damage assurance if no agreement is in place: Blanket      Surface Surety ID: 20140079

## 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.)

Lot 1, S2NE4, SE4 ada E2 Sec 4, T11N, R65W. NW4NE4, S2NE4, NE4NW4, SE4 Sec 30, T12N, R65W. Sec 28 All, T12N, R65W.

Total Acres in Described Lease: 1275 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: 0 Feet

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 3583 Feet

Building Unit: 3583 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 3357 Feet

Above Ground Utility: 3401 Feet

Railroad: 5280 Feet

Property Line: 255 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: 1295 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

September 15, 2014 hearing date, applied for 1300 acre spacing, four horizontal wells in Sec 19, 30 & small lots in Sec 18, Codell formation, 300 ft setbacks  
Docket 1409SP2125

## OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
CODELL	CODL		1300	Sec 18, 19, 30

## DRILLING PROGRAM

Proposed Total Measured Depth: 18626 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 1295 Feet (Including plugged wells)

Will a closed-loop drilling system be used? Yes

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     609    

### DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal:     OFFSITE          Drilling Fluids Disposal Methods:     Commercial Disposal    

Cuttings Disposal:     OFFSITE          Cuttings Disposal Method:     Commercial Disposal    

Other Disposal Description:

Disposal of the drilling fluids and cuttings is commercial disposal at CSI's facility.

Beneficial reuse or land application plan submitted?     No    

Reuse Facility ID:                           or Document Number:                     

### CASING PROGRAM

<u>Casing Type</u>	<u>Size of Hole</u>	<u>Size of Casing</u>	<u>Wt/Ft</u>	<u>Csg/Liner Top</u>	<u>Setting Depth</u>	<u>Sacks Cmt</u>	<u>Cmt Btm</u>	<u>Cmt Top</u>
CONDUCTOR	20	16	64	0	80	460	80	0
SURF	13+1/2	9+5/8	36	0	2550	810	2550	0
1ST	8+3/4	7	29	0	9297	635	9297	4400
1ST LINER	6+1/8	4+1/2	11.6	8800	18626	1230	18626	8800

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

Location ID: \_\_\_\_\_

Is this application being submitted with an Oil and Gas Location Assessment application? \_\_\_\_\_ Yes \_\_\_\_\_

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

Signed: \_\_\_\_\_ Print Name: David Platt \_\_\_\_\_

Title: Agent \_\_\_\_\_ Date: 8/27/2014 \_\_\_\_\_ Email: david@windmillenergy.net \_\_\_\_\_

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

## 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.

### COA Type

### Description

Drilling/Completion Operations	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) Comply with Rule 317.i and provide cement coverage from end of 7" casing to a minimum of 200' above Niobrara. Verify coverage with cement bond log. 3) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.
--------------------------------	---

## Best Management Practices

### No BMP/COA Type

### Description

--	--

## Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

## Attachment Check List

<b>Att Doc Num</b>	<b>Name</b>
400666998	FORM 2 SUBMITTED
400673163	WELL LOCATION PLAT
400673164	DEVIATED DRILLING PLAN
400677469	DIRECTIONAL DATA
400678908	FORM 2 SUBMITTED
400699986	OffsetWellEvaluations Data

Total Attach: 6 Files

### **General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Permit	Changed spacing formation to Codell per operator instruction. Changed drilling waste management program cutting disposal method to Offsite and Commercial Disposal as indicated in the 2A and added a comment. Changed Beneficial reuse plan to "No" as indicated in the related 2A.	9/19/2014 9:40:47 AM
Engineer	Evaluated offset wells.	9/9/2014 1:13:30 PM
Permit	Passed completeness. Building/Building unit distances corrected.	9/4/2014 8:28:22 AM
Permit	Return to draft. Distance to building greater than distance to building unit.  Directional data imported.	9/3/2014 11:14:03 AM
Permit	Returned to Draft: Directional data needs to be imported.	8/28/2014 1:54:32 PM

Total: 5 comment(s)