

**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 <u>Pilot Hole</u> | 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:  
01/24/2014

Well Name: Prosper Farms 4-65 13-14                      Well Number: 1H  
 Name of Operator: BURLINGTON RESOURCES OIL & GAS LP                      COGCC Operator Number: 26580  
 Address: PO BOX 4289  
 City: FARMINGTON                      State: NM                      Zip: 87499  
 Contact Name: Justin Carlile                      Phone: (281)206-5770                      Fax: (281)647-1935  
 Email: justin.carlile@conocophillips.com

**RECLAMATION FINANCIAL ASSURANCE**  
 Plugging and Abandonment Bond Surety ID: 19920030

**WELL LOCATION INFORMATION**

QtrQtr: SWNW                      Sec: 14                      Twp: 4S                      Rng: 65W                      Meridian: 6  
 Latitude: 39.705203                      Longitude: -104.639656

Footage at Surface:                      2165 feet                      FNL/FSL                      FNL                      350 feet                      FEL/FWL                      FWL

Field Name: WILDCAT                      Field Number: 99999  
 Ground Elevation: 5691                      County: ARAPAHOE

GPS Data:  
 Date of Measurement: 08/15/2013    PDOP Reading: 1.8    Instrument Operator's Name: Loren Shanks

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.)

Township 4 South, Range 64 West, Sections 13 & 14: ALL

Total Acres in Described Lease: 1280 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: \_\_\_\_\_ Feet

**CULTURAL DISTANCE INFORMATION**

Distance to nearest:

Building: 1737 Feet

Building Unit: 1904 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 2217 Feet

Above Ground Utility: 1709 Feet

Railroad: 5280 Feet

Property Line: 218 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: \_\_\_\_\_ Feet

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

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

**SPACING & FORMATIONS COMMENTS**

\_\_\_\_\_

**OBJECTIVE FORMATIONS**

| Objective Formation(s) | Formation Code | Spacing Order Number(s) | Unit Acreage Assigned to Well | Unit Configuration (N/2, SE/4, etc.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| NIOBRARA               | NBRR           |                         |                               |                                      |

**DRILLING PROGRAM**

Proposed Total Measured Depth: 8366 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 5520 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?     Yes    

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:     Recycle/reuse    

Cuttings Disposal:     OFFSITE          Cuttings Disposal Method:     Commercial Disposal    

Other Disposal Description:

Drilling cuttings will be taken by a certified transportation company and disposed of at a certified disposal facility.

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 |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|
| CONDUCTOR   | 24+0/0       | 13+1/2         | 39.7  | 0             | 100           | 50        | 100     | 0       |
| SURF        | 13+1/2       | 9+5/8          | 36    | 0             | 2215          | 700       | 2215    | 0       |
| OPEN HOLE   | 8+3/4        |                |       | 2215          | 8366          |           |         |         |

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: Justin Carlile

Title: Regulatory Specialist Date: 1/24/2014 Email: justin.carlile@conocophillips.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:  Director of COGCC Date: 5/30/2014

Expiration Date: 05/29/2016

API NUMBER  
05 005 07225 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.

| COA Type | Description  |
|----------|--|
|          | PILOT HOLE 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. FOR LATERAL 2) Comply with Rule 317.i and provide cement coverage from end of production 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  |
|----|--------------------------------|--|
| 1  | Drilling/Completion Operations | See Form 2A for BMPs and COAs regarding surface operations.  |
| 2  | Drilling/Completion Operations | Open hole resistivity log with gamma ray will be run on the vertical portion of every well on this pad to describe the stratigraphy of the vertical section of the wellbore and to adequately verify the setting depth of the surface casing and aquifer coverage. |

Total: 2 comment(s)

### Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

### Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u>            |
|--------------------|------------------------|
| 400544691          | FORM 2 SUBMITTED       |
| 400545273          | WELL LOCATION PLAT     |
| 400545274          | DEVIATED DRILLING PLAN |

Total Attach: 3 Files

### General Comments

| <u>User Group</u> | <u>Comment</u>   | <u>Comment Date</u>      |
|-------------------|--|--------------------------|
| Final Review      | Removed incomplete MOU language from Operator BMPs. Replaced with statement "See Form 2A for BMPs and COAs regarding surface operations."  | 5/30/2014<br>4:35:13 PM  |
| Permit            | Added related 2A.<br>LGD and public comments related to 2A addressed.<br>Final Review--passed.   | 5/30/2014<br>11:02:20 AM |
| Permit            | Added logging BMP.   | 3/5/2014 8:56:09<br>AM   |
| Engineer          | LOCATION: SW1/4 OF NW1/4 OF SEC. 14, T.4s., R.65W. (2165 NSL, 350 WSL)<br><br>Ground Elevation: 5691 Number of Acres: 160<br><br>ELEVATION DEPTH TO ANNUAL<br>----- NET ----- APPROP STATUS<br>AQUIFER BOT. TOP SAND BOT. TOP A-F<br>-----<br>UPPER DAWSON ---- - - - - -<br>LOWER DAWSON ---- - - - - -<br>DENVER 4844 5441 246.8 847 250 67.12 NNT<br>UPPER ARAPAHOE 4589 4810 138.7 1102 881 37.72 NT<br>LOWER ARAPAHOE 4278 4514 83.4 1413 1177 22.69 NT<br>LARAMIE-FOX HILLS 3704 3938 171.9 1987 1753 41.26 NT | 2/19/2014<br>9:21:58 PM  |
| Permit            | This well will not produce. Deleted dist. to unit boundary, spacing order.   | 2/11/2014<br>9:43:13 AM  |
| Permit            | Passed completeness.   | 1/30/2014<br>10:10:38 AM |

Total: 6 comment(s)