


FORM 2 Rev 08/13	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: 400591500 Date Received: 04/18/2014
APPLICATION FOR PERMIT TO:			
<input checked="" type="checkbox"/> Drill <input type="checkbox"/> Deepen <input type="checkbox"/> Re-enter <input type="checkbox"/> Recomplete and Operate			
TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> COALBED <input type="checkbox"/> OTHER Pilot Hole _____ ZONE TYPE SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONES <input type="checkbox"/> COMMINGLE ZONES <input type="checkbox"/>			Refiling <input type="checkbox"/> Sidetrack <input type="checkbox"/>
Well Name: Wolf _____ Well Number: 12L-0103 _____ Name of Operator: WHITING OIL AND GAS CORPORATION _____ COGCC Operator Number: 96155 _____ Address: 1700 BROADWAY STE 2300 _____ City: DENVER _____ State: CO _____ Zip: 80290 _____ Contact Name: Michael Brown _____ Phone: (307)237-9310 _____ Fax: () _____ Email: ml_brown@bresnan.net _____			
RECLAMATION FINANCIAL ASSURANCE Plugging and Abandonment Bond Surety ID: 20030110 _____			
WELL LOCATION INFORMATION Qtr/Qtr: SWNW _____ Sec: 12 _____ Twp: 10N _____ Rng: 59W _____ Meridian: 6 _____ Latitude: 40.852931 _____ Longitude: -103.934714 _____ Footage at Surface: 2558 feet FNL/FSL FNL 619 feet FEL/FWL FWL Field Name: WILDCAT _____ Field Number: 99999 _____ Ground Elevation: 4953 _____ County: WELD _____ GPS Data: Date of Measurement: 11/16/2012 PDOP Reading: 1.2 Instrument Operator's Name: Darren Shanks _____ If well is <input type="checkbox"/> Directional <input type="checkbox"/> 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: <input checked="" type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian The Surface Owner is: <input type="checkbox"/> is the mineral owner beneath the location. (check all that apply) <input type="checkbox"/> is committed to an Oil and Gas Lease. <input type="checkbox"/> has signed the Oil and Gas Lease. <input type="checkbox"/> is the applicant. The Mineral Owner beneath this Oil and Gas Location is: <input checked="" type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> 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: Surface Use Agreement _____ 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.)

T10N, R58W, 6TH P.M.
SECTION 7: L1,L2,L3,L4, E/2W2

T10N, R59W, 6TH P.M.
SECTION 12: S2NE

T10N, R59W, 6TH P.M.
SECTION 12: N2NE, S2NW, S2SW, N2SE

Total Acres in Described Lease: 736 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: 25 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 537 Feet
Building Unit: 4000 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 2180 Feet
Above Ground Utility: 4000 Feet
Railroad: 5280 Feet
Property Line: 619 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: 3000 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

This is a pilot hole and will not be produced.
Docket 1403-AW-08 on April Hearing.

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: 6550 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 2100 Feet (Including plugged wells)

Will a closed-loop drilling system be used? Yes

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 609

DRILLING WASTE MANAGEMENT PROGRAM

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

Cuttings Disposal: ONSITE Cuttings Disposal Method: Other

Other Disposal Description:

Bio-remediation

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	28	16	65	0	80	179	80	0
SURF	13+1/2	9+5/8	36	0	1750	776	1750	0
OPEN HOLE	8+3/4			1750	6550			

☐ 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: Michael Brown

Title: Agent Date: 4/18/2014 Email: ml_brown@bresnan.net

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: 5/15/2014

Expiration Date: 05/14/2016

API NUMBER

05 123 39421 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

	1) Provide 48 hour notice prior to spud via electronic Form 42.
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Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with oil and gas development throughout the State of Colorado. BMPs will be constructed as necessary to prevent stormwater from leaving the construction site. BMPs used will vary according to the location, and will remain until the pad is reclaimed.
2	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with oil and gas operations throughout the State of Colorado. <ul style="list-style-type: none">• Materials and fluids will be stored in a neat and orderly fashion.• Waste will be collected regularly and disposed of at an offsite facility.• Prompt cleanup is required of spills to minimize waste materials entering the stormwater runoff.• Drip pans will be used during fueling and maintenance to contain spills or leaks.• Cleanup of trash and discarded material will be done at the end of the work day.• Cleanup will consist of monitoring the road, location and any other work areas.• Material to be cleaned up includes trash, scrap, and contaminated soil.
3	Drilling/Completion Operations	Wells Planned within 1500 feet are shown on the multi-well plan map.
4	Drilling/Completion Operations	Open hole resistivity log with gamma ray will be run in the vertical section of this wellbore 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. The Drilling Completion Report - Form 5 for every well on the pad shall identify which well was logged.

Total: 4 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>
400591500	FORM 2 SUBMITTED
400591927	WELL LOCATION PLAT
400591935	DRILLING PLAN
400593779	DIRECTIONAL DATA
400593780	DEVIATED DRILLING PLAN
400593781	SURFACE AGRMT/SURETY

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Confirmed spacing order for lateral wellbore. No LGD or public comments. Final Review--passed.	5/13/2014 11:05:51 AM
Permit	Deleted distance to unit since pilot will not be produced.	5/1/2014 2:03:08 PM
Engineer	Evaluated any existing wells within 1500' of proposed directional. Eliminated 1st casing from casing program. 1st string (7") is in the -01 lateral. The pilot PTMD = PTVD is 6550' in a vertical open hole.	4/28/2014 2:56:18 PM
Permit	Passed completeness. Under Well Location, changed footage at surface from 618 FWL to 619 FWL to match well plat.	4/22/2014 2:47:46 PM
Permit	Sent back to draft. Under Well Location, the footage at surface is opposite of what the well plat says. Well plat shows 2558 FNL and 619 FWL. Under Drilling & Waste Plans, the proposed total measured depth shows 6550 ft, but the directional data shows 6500 ft. In the attachments, was not able to open the Surface agtrmt/Surety (SUA)	4/21/2014 4:39:41 PM

Total: 5 comment(s)