

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>unplanned</u>	Refiling <input type="checkbox"/>	Date Received: 06/14/2017
ZONE TYPE SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONES <input type="checkbox"/> COMMINGLE ZONES <input type="checkbox"/>	Sidetrack <input checked="" type="checkbox"/>	

Well Name: Razor Fed Well Number: 26I-3547

Name of Operator: WHITING OIL & 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

QtrQtr: NESE Sec: 26 Twp: 10N Rng: 58W Meridian: 6

Latitude: 40.808911 Longitude: -103.825458

Footage at Surface: <u>2384</u> Feet	FNL/FSL	FEL/FWL
<u>FSL</u> <u>793</u> Feet	<u>FEL</u>	

Field Name: WILDCAT Field Number: 99999

Ground Elevation: 4711 County: WELD

GPS Data:
Date of Measurement: 06/15/2015 PDOP Reading: 1.3 Instrument Operator's Name: Jared Christopher

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
<u>2182</u> FSL <u>642</u> FEL	<u>600</u> FSL <u>660</u> FEL		
Sec: <u>26</u> Twp: <u>10N</u> Rng: <u>58W</u>	Sec: <u>35</u> Twp: <u>10N</u> Rng: <u>58W</u>		

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.)

T10N-R58W
Section 25: All
Section 26: N/2, SE, E/2SW, NWSW
Section 27, NE

Total Acres in Described Lease: 1400 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: 5280 Feet
Building Unit: 5280 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 5280 Feet
Above Ground Utility: 585 Feet
Railroad: 5280 Feet
Property Line: 793 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 proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation: 242 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 100 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.)
CODELL	CODL	535-508	960	S/2 26; All 35

DRILLING PROGRAM

Proposed Total Measured Depth: 13161 Feet

Distance from the proposed wellbore to nearest existing or proposed wellbore belonging to another operator, including plugged wells:

Enter distance if less than or equal to 1,500 feet: 949 Feet No well belonging to another operator within 1,500 feet

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:

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	24	20	92	0	80	179	80	0
SURF	13+1/2	9+5/8	36	0	2085	659	2085	0
1ST	8+1/2	5+1/2	17	0	13161	2194	13161	0

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 Sidetrack verbal approval granted via E-Mail by Diana Burn on Tuesday, June 13, 2017, 6:48PM.

Due to excessive losses in the Razor Federal 261-3547, we would like to pump a cement plug to 2,500' to plug back. Then we will sidetrack to redrill the vertical, curve and lateral to the permitted BHL.

> SIDETRACK REQUEST
> RAZOR FEDERAL 261-3547 – API 05-123-43932-00
> PROPOSED OR COMPLETED OPERATIONS:
>
> TOTAL DEPTH REACHED:
> 5730'(MD) 5,660' (TVD)
> CASING:
> SURFACE CASING:
> SIZE 9-5/8" 36PPF J-55 LTC
> DEPTH 2,085'
>
> PLUG BACK DEPTH: 2500
> SIDETRACK KICK OFF POINT:
> 2500' (MD), 2467'(TVD) 13.5 DEG INC
> BHL TARGET FOR SIDETRACK HOLE:
> SAME TARGET FORMATION CODELL 5,852'(TVD) @ TD, 600' FSL AND 660'FEL S35-T10N-R58W

This application is in a Comprehensive Drilling Plan No CDP #: _____

Location ID: 435160

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: Michael Brown

Title: Agent Date: 6/14/2017 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: 6/15/2017

Expiration Date: 06/14/2019

API NUMBER 05 123 43932 01

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

	COA's from Form 2 #401110322 apply.
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Best Management Practices

No BMP/COA Type

Description

1	Drilling/Completion Operations	One of the first wells drilled on the pad will be logged with open-hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open-hole logs were run.
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Total: 1 comment(s)

Attachment Check List

Att Doc Num

Name

1696811	WELL LOCATION PLAT
401308233	FORM 2 SUBMITTED
401308274	CORRESPONDENCE
401308851	DIRECTIONAL DATA
401308862	DEVIATED DRILLING PLAN
401308866	WELLBORE DIAGRAM
401309846	OFFSET WELL EVALUATION

Total Attach: 7 Files

General Comments

User Group

Comment

Comment Date

Permit	Attached Well Location Plat. ON HOLD: requesting confirmation of permitted formation. Per operator the original formation should have been Codell. The Deviated Drilling plan confirms that the original target was Codell. It has been added to this APD. Niobrara should be deleted. Unplanned Sidetrack for the Razor Fed 26I-3547 (API#123-43932-00) Permitting Review Complete.	06/15/2017
Permit	LGD and public comment periods waived by COGCC Staff. Comment periods do not apply to this application for an unplanned Sidetrack or Rig Skid when drilling is in progress.	06/15/2017
Permit	Operator is keeping SHL and BHL the same, but Top of Producing Zone footages have changed. Requesting a revised well location plat.	06/14/2017
Permit	- added "unplanned sidetrack" in Type of Well - Other data field. - changed field to Wildcat. - added Unit Config to CODL formation. Passed completeness.	06/14/2017

Total: 4 comment(s)