

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:

400894690

**(SUBMITTED)**

Date Received:

09/03/2015

#### APPLICATION FOR PERMIT TO:

☒ Drill ☐ Deepen ☐ Re-enter ☐ Recomplete and Operate

TYPE OF WELL OIL ☒ GAS ☐ COALBED ☐ OTHER \_\_\_\_\_

Refilling ☐

ZONE TYPE SINGLE ZONE ☒ MULTIPLE ZONES ☐ COMMINGLE ZONES ☐

Sidetrack ☒

Well Name: Razor

Well Number: 12F-0103A

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: SENW Sec: 12 Twp: 10N Rng: 58W Meridian: 6

Latitude: 40.854661

Longitude: -103.818158

Footage at Surface: 2185 feet FNL/FSL FNL 1402 feet FEL/FWL FWL

Field Name: WILDCAT

Field Number: 99999

Ground Elevation: 4940

County: WELD

GPS Data:

Date of Measurement: 05/14/2013 PDOP Reading: 2.1 Instrument Operator's Name: Jeremy Harris

If well is ☐ Directional ☒ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL FNL/FWL Bottom Hole: FNL/FSL FNL/FWL  
2544 FNL 773 FWL 600 FNL 825 FWL  
Sec: 12 Twp: 10N Rng: 58W Sec: 1 Twp: 10N Rng: 58W

#### 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: 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, R57W, 6TH P.M.  
TRACT 1:  
SECTION 7: W2NE (CONTAINING 80 ACRES)  
TRACT 2:  
SECTION 31: L1 (37.16), L2 (37.21), E2NW, NE/4 (CONTAINING 314.37 ACRES MORE OR LESS)  
TRACT 3: T10N, R58W,  
SECTION 1: L1(40.04), L2(40.12), L3(40.20), L4(40.28), S/2N/2, S2  
SECTION 12: ALL (CONTAINING 800.64 ACRES, MORE OR LESS)  
TRACT 4: T10N, R58W  
SECTION 2: L1(40.36), L2(40.46), L3(40.54), S/2NE/4, E/2SW/4, S/2SE/4, SE/4NW/4 SECTION 11: E/2NW/4, W/2NE/4  
(CONTAINING 561.36 ACRES MORE OR LESS)

Total Acres in Described Lease: 2236 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: 600 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: 3903 Feet  
Above Ground Utility: 1425 Feet  
Railroad: 5280 Feet  
Property Line: 3903 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: 217 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 600 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	535-314	960	N/2 12, All 1

## DRILLING PROGRAM

Proposed Total Measured Depth: 13391 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 217 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: 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	24	16	65	0	80	179	80	0
SURF	13+1/2	9+5/8	36	0	1851	595	1851	0
1ST	8+3/4	7	29	0	6304	705	6304	0
1ST LINER	6	4+1/2	11.6	5430	13391	548	13391	5430

☐ 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 Wednesday, September 02, 2015 3:55 PM.

After we reached TD in the lateral we attempted to run our 4-1/2" liner. We were only able to reach 8,320' before we were unable to run casing any deeper. After reaming back to bottom, with a reaming assembly, we conditioned the mud. The hole began falling apart and the decision was made to sidetrack. The intent is to do an open hole sidetrack at 7,354' MD, 5,838' TVD and finish drilling the well to its original BHL at 5,770' TVD.

TOTAL DEPTH REACHED:  
13,378' (MD) 5,817' (TVD)

CASING:  
SURFACE CASING:  
SIZE: 7" 32PPF HCL-80 LTC  
DEPTH: 6,325'

DESCRIPTION OF FISH IN THE HOLE:  
NO FISH TO REPORT

PLUG BACK DEPTHS:  
NO PLUG FOR OPEN HOLE SIDETRACK

SIDETRACK KICK OFF POINT:  
7,354' (MD), 5,838' (TVD)

BHL TARGET FOR SIDETRACK HOLE:  
5,770'(TVD), 600' FNL AND 825'FWL S01-T10N-R58W

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

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

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: 9/3/2015 Email: ml\_brown@bresnan.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

05 123 38711 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.

### Best Management Practices

**No BMP/COA Type**

**Description**

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### Attachment Check List

**Att Doc Num**

**Name**

400894690	FORM 2 SUBMITTED
400894807	DIRECTIONAL DATA
400894809	DEVIATED DRILLING PLAN
400894959	CORRESPONDENCE
400895045	DRILLING PLAN
400895047	OTHER
400895386	WELLBORE DIAGRAM

Total Attach: 7 Files

### General Comments

**User Group**

**Comment**

**Comment Date**

Permit	returned to draft for wellbore diagram.	9/3/2015 10:52:32 AM
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Total: 1 comment(s)