

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:
400687494

APPLICATION FOR PERMIT TO:

Drill Deepen Re-enter Recomplete and Operate

Date Received:

TYPE OF WELL OIL GAS COALBED OTHER Unplanned

Refilling

ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES

Sidetrack

Well Name: Razor Well Number: 27J-2210B
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: Scott Webb Phone: (303)390-4095 Fax: (303)390-5590
Email: scottw@whiting.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20030110

WELL LOCATION INFORMATION

QtrQtr: NWSE Sec: 27 Twp: 10N Rng: 58W Meridian: 6

Latitude: 40.808438 Longitude: -103.848824

Footage at Surface: 2245 feet ^{FNL/FSL} FSL 2014 feet ^{FEL/FWL} FEL

Field Name: WILDCAT Field Number: 99999

Ground Elevation: 4764 County: WELD

GPS Data:

Date of Measurement: 01/14/2014 PDOP Reading: 1.6 Instrument Operator's Name: Mike Brown

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

Footage at Top of Prod Zone: ^{FNL/FSL} 2542 ^{FNL} FNL 2188 ^{FEL} FEL 100 ^{FNL} FNL 2145 ^{FEL} FEL
Sec: 27 Twp: 10N Rng: 58W Sec: 22 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.)

NE/4 Section 27, T10N-R58W.

Total Acres in Described Lease: 160 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: 106 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 3270 Feet

Building Unit: 3270 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 3270 Feet

Above Ground Utility: 3270 Feet

Railroad: 5280 Feet

Property Line: 403 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: 09/17/2013

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: 09/17/2013

SPACING and UNIT INFORMATION

Distance from Completed Portion of Wellbore to Nearest Wellbore Permitted or Completed in the same formation: 205 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 106 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 27, All 22

DRILLING PROGRAM

Proposed Total Measured Depth: 13828 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 205 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:

Remediation on location.

Beneficial reuse or land application plan submitted? Yes

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	16+0/0	16+0/0	65	0	80			
SURF	13+1/2	9+5/8	36	0	1593	665	1593	
1ST	8+3/4	7+0/0	29	0	6130	650	6130	
1ST LINER	6+0/0	4+1/2	11.6	4404	13772			

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 Horizontal well bore was sidetracked to adjust path to correct target zone interval. The target was missed due to faulting in this area. Sidetrack KOP 10,205' MD, 5,734' TVD to regain target zone interval. TD original hole reached: 11,217' MD, last survey 11,146' MD, 5,719' TVD, 87.96 d inc, 0.32d Azi. Casing Set: Surface: 9-5/8", 36 PPF, LTC, set at 1,593', cemented with 665 sx Class C; Intermediate 7", 29 PPF, L-80 LTC Depth set 6,129' MD, cemented with 650 sx Class G. No cement plugs set. No fish in hole. Sidetrack KOP: 10,205' MD, 5,734' TVD. BHL Target: Same target as originally permitted :100' FNL & 2,185' FEL, Sec 22-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: Scott Webb _____

Title: Reg & Permit Manager _____ Date: _____ Email: scottw@whiting.com _____

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 38065 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.

Best Management Practices

No BMP/COA Type

Description

<u>No BMP/COA Type</u>	<u>Description</u>

Attachment Check List

Att Doc Num	Name
400687633	CORRESPONDENCE
400687637	OTHER
400687654	WELLBORE DIAGRAM
400687661	DEVIATED DRILLING PLAN
400687753	DIRECTIONAL DATA
400687755	DIRECTIONAL DATA
400687756	DIRECTIONAL DATA

Total Attach: 7 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)