

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 _____	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:

Well Name: <u>SHULL</u>	Well Number: <u>6-25-9-60</u>
Name of Operator: <u>CARRIZO NIOBRARA LLC</u>	COGCC Operator Number: <u>10439</u>
Address: <u>500 DALLAS STREET #2300</u>	
City: <u>HOUSTON</u>	State: <u>TX</u> Zip: <u>77002</u>
Contact Name: <u>CYNTHIA PINEL</u>	Phone: <u>(713)358-6210</u> Fax: <u>()</u>
Email: <u>CYNTHIA.PINEL@CRZO.NET</u>	

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20120105

WELL LOCATION INFORMATION

QtrQtr: SWSE Sec: 25 Twp: 9N Rng: 60W Meridian: 6

Latitude: 40.714690 Longitude: -104.036000

Footage at Surface: <u>265</u> feet	<small>FNL/FSL</small> <u>FSL</u> <u>1569</u> feet	<small>FEL/FWL</small> <u>FEL</u>
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Field Name: WILDCAT Field Number: 99999

Ground Elevation: 4887 County: WELD

GPS Data:

Date of Measurement: 09/17/2014 PDOP Reading: 1.9 Instrument Operator's Name: MARC WOODWARD

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

Footage at Top of Prod Zone: <u>600</u> feet	<small>FNL/FSL</small> <u>FSL</u> <u>1000</u> feet	<small>FEL/FWL</small> <u>FEL</u>
Bottom Hole: <u>600</u> feet	<small>FNL/FSL</small> <u>FNL</u> <u>1010</u> feet	<small>FEL/FWL</small> <u>FEL</u>
Sec: <u>25</u> Twp: <u>9N</u> Rng: <u>60W</u>	Sec: <u>25</u> Twp: <u>9N</u> Rng: <u>60W</u>	Sec: <u>25</u> Twp: <u>9N</u> Rng: <u>60W</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.)

Township 9 North, Range 60W of the 6th P.M., Section 25: E/2, E/2NW, SWNW, SW

Total Acres in Described Lease: 608 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: 300 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 3613 Feet

Building Unit: 3613 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 3745 Feet

Above Ground Utility: 3613 Feet

Railroad: 5280 Feet

Property Line: 265 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: 215 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

PRODUCTIVE INTERVAL OF THE WELLBORE TO BE LOCATED NO CLOSER THAN 600 FEET FROM UNIT BOUNDARIES AND NO CLOSER THAN 300 FEET FROM THE PRODUCTIVE INTERVAL OF ANY OTHER WELLBORE.

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	535-437	640	SEC 25: ALL

DRILLING PROGRAM

Proposed Total Measured Depth: 10580 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 215 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

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: 432177

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: CYNTHIA PINEL

Title: Regulatory Comp. Analyst Date: _____ Email: CYNTHIA.PINEL@CRZO.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

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
1	Storm Water/Erosion Control	Operator has designed the well pad with insloping and a storm water control ditch to prevent sotrm water run-on/runoff and the release of fluids from the location. See attached Construction Layout Drawing.
2	Material Handling and Spill Prevention	Operator will ensure 110 percent secondary containment for any volume of fluids contained at the well site during drilling and completion. Operator will implement best management practices to contain any unintentional release of fluids.
3	Drilling/Completion Operations	Operator will implement interim reclamation measures immediately after construction of the location to stabilize cut and fill slopes, stabilize the topsoil and spoil stockpiles, establish desirable vegetation and control weeds on the location.
4	Construction	The location will be fenced.

Total: 4 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400699809	WELL LOCATION PLAT
400699810	DEVIATED DRILLING PLAN
400699811	OFFSET WELL EVALUATION
400699813	DIRECTIONAL DATA

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)