



Base of Productive Zone (BPZ)

Sec: 28 Twp: 4N Rng: 64W Footage at BPZ: 460 FNL 1618 FWL
Measured Depth of BPZ: 16994 True Vertical Depth of BPZ: 6790 FNL/FSL FEL/FWL

Bottom Hole Location (BHL)

Sec: 28 Twp: 4N Rng: 64W Footage at BHL: 410 FNL 1618 FWL
FNL/FSL FEL/FWL

LOCAL GOVERNMENT PERMITTING INFORMATION

County: WELD Municipality: N/A

Is the Surface Location of this Well in an area designated as one of State interest and subject to the requirements of § 24-65.1-108 C.R.S.? Yes

Per § 34-60-106(1)(f)(I)(A) C.R.S., the following questions pertain to the Relevant Local Government approval of the siting of the proposed Oil and Gas Location.

SB 19-181 provides that when "applying for a permit to drill," operators must include proof that they sought a local government siting permit and the disposition of that permit application, or that the local government does not have siting regulations. § 34-60-106(1)(f)(I) (A) C.R.S.

Does the Relevant Local Government regulate the siting of Oil and Gas Locations, with respect to this Location? [X] Yes [ ] No

[X] If yes, in checking this box, I hereby certify that an application has been filed with the local government with jurisdiction to approve the siting of the proposed oil and gas location.

The disposition of the application filed with the Relevant Local Government is: Approved Date of Final Disposition: 10/16/2020

Comments:

SURFACE AND MINERAL OWNERSHIP AT WELL'S OIL & GAS LOCATION

Surface Owner of the land at this Well's Oil and Gas Location: [X] Fee [ ] State [ ] Federal [ ] Indian

Mineral Owner beneath this Well's Oil and Gas Location: [X] Fee [ ] State [ ] Federal [ ] Indian

Surface Owner Protection Bond (if applicable): Surety ID Number (if applicable):

MINERALS DEVELOPED BY WELL

The ownership of all the minerals that will be developed by this Well is (check all that apply):

- [X] Fee
[ ] State
[ ] Federal
[ ] Indian
[ ] N/A

LEASE INFORMATION

Using standard QtrQtr, Section, Township, Range format describe one entire mineral lease as follows:

\* If this Well is within a unit, describe a lease that will be developed by the Well.
\* If this Well is not subject to a unit, describe the lease that will be produced by the Well.
(Attach a Lease Map or Lease Description or Lease if necessary.)

All of S. 33, T4N-R64W, 6th P.M. with other lands further described in attached legal description and lease map.

Total Acres in Described Lease: 4738 Described Mineral Lease is: [X] Fee [ ] State [ ] Federal [ ] Indian

Federal or State Lease #

**SAFETY SETBACK INFORMATION**

Distance from Well to nearest:

Building: 2031 Feet  
 Building Unit: 2041 Feet  
 Public Road: 1497 Feet  
 Above Ground Utility: 2029 Feet  
 Railroad: 5280 Feet  
 Property Line: 317 Feet

**INSTRUCTIONS:**

- Specify all distances per Rule 308.b.(1).
- 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 – as defined in 100 Series Rules.

**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		1280	GWA

Federal or State Unit Name (if appl): \_\_\_\_\_

Unit Number: \_\_\_\_\_

**SUBSURFACE MINERAL SETBACKS**

Enter 5280 for distance greater than 1 mile.

Is this Well within a unit? Yes

If YES:

Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary: 200 Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well within the same unit permitted or completed in the same formation: 324 Feet

If NO:

Enter the minimum distance from the Completed Zone of this Well to the Lease Line of the described lease: \_\_\_\_\_ Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well producing from the same lease and permitted or completed in the same formation: \_\_\_\_\_ Feet

**Exception Location**

If this Well requires the approval of a Rule 401.c Exception Location, enter the Rule or spacing order number and attach the Exception Location Request and Waivers. \_\_\_\_\_

**SPACING & FORMATIONS COMMENTS**

Proposed Spacing Unit: T4N-R64W, Sec 28: All, Sec 33: All Per the Comprehensive Drilling Plan (#11984) this well will be completed less than 460' from the boundary of the Wellbore Spacing Unit.

**DRILLING PROGRAM**Proposed Total Measured Depth: 17044 FeetTVD at Proposed Total Measured Depth 6790 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: \_\_\_\_\_ Feet  No well belonging to another operator within 1,500 feetWill a closed-loop drilling system be used? YesIs 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 Plan unless a plan was already submitted with the Form 2A per Rule 304.c.(10).Will there be hydraulic fracture treatment at a depth less than 2,000 feet in this well? NoWill salt sections be encountered during drilling? NoWill salt based (>15,000 ppm Cl) drilling fluids be used? NoWill oil based drilling fluids be used? YesBOP Equipment Type:  Annular Preventor  Double Ram  Rotating Head  NoneBeneficial reuse or land application plan submitted? No

Reuse Facility ID: \_\_\_\_\_ or Document Number: \_\_\_\_\_

**CASING PROGRAM**

<u>Casing Type</u>	<u>Size of Hole</u>	<u>Size of Casing</u>	<u>Grade</u>	<u>Wt/Ft</u>	<u>Csg/Liner Top</u>	<u>Setting Depth</u>	<u>Sacks Cmt</u>	<u>Cmt Btm</u>	<u>Cmt Top</u>
CONDUCTOR	26	16	A-52A	36.94	0	101	64	101	0
SURF	13+1/2	9+5/8	J-55	36	0	1941	674	1941	0
1ST	8+1/2	5+1/2	P110	17	0	17044	1980	17044	

 Conductor Casing is NOT planned**POTENTIAL FLOW AND CONFINING FORMATIONS**

<u>Zone Type</u>	<u>Formation /Hazard</u>	<u>Top M.D.</u>	<u>Top T.V.D.</u>	<u>Bottom M.D.</u>	<u>Bottom T.V.D.</u>	<u>TDS (mg/L)</u>	<u>Data Source</u>	<u>Comment</u>
Groundwater	Laramie Fox Hills	0	0	290	290	501-1000	USGS	USGS, Geologic Structure, Hydrology, And Water Quality of the Laramie-Fox Hills Aquifer in the Denver Basin, Colorado (1981); USGS paper 2302 (1989)
Confining Layer	Pierre Shale	291	290	502	500			
Groundwater	Upper Pierre Aquifer	502	500	1508	1500	1001-10000	Other	COGCC Project #2141
Confining Layer	Pierre Shale	1508	1500	3520	3500			
Hydrocarbon	Parkman	3520	3500	3892	3870			
Confining Layer	Pierre Shale	3892	3870	4023	4000			
Hydrocarbon	Sussex	4023	4000	4496	4470			
Confining Layer	Pierre Shale	4496	4470	4828	4800			
Hydrocarbon	Shannon	4828	4800	5009	4980			
Confining Layer	Pierre Shale	5009	4980	5884	5850			
Hydrocarbon	Tepee Buttes	5884	5850	6442	6400			
Confining Layer	Pierre Shale	6442	6400	6684	6600			
Hydrocarbon	Niobrara	6684	6600	17044	6600			

**OPERATOR COMMENTS AND SUBMITTAL**

Comments

GPS data is actual

Drilling BHA was stuck at 10,656" in the Niobrara formation while TOH from TD. While conducting fishing operations the drill string parted at 6,077'. The sidetrack well will be drilled in the same Nio C formation parallel to the existing well, approximately 30' West of the and 8' south of the original wellbore. Two 600' plugs will be set as follows, first from approximately 6000' MD to 5,400' MD, while the second will be from approximately 5,350' MD – 4,750' MD. KOP is planned at approximately 6,090' MD.

Noble Energy was granted verbal to plug back and sidetrack on 9/11/2022.

Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy also agrees to not expose the UPAq to oil based mud.

This well has a bottom-hole location beyond the unit boundary setback. The bottom of the completed interval will be within the unit boundary setback at 460' FNL and 1618' FWL of Section 28. The wellbore beyond the northern unit boundary setback will be physically isolated and will not be completed.

Nearest well in PSU (producing zone to producing zone) per manual calculation is the proposed Guttersen C28-770.

There are no outside-operated wells within 1500'.

The following wells are all within 150'. All are Noble operated, therefore no 317.s is required: THOMPSON C33-69HN, (API 05-123-33589), PR Status Guttersen D04-69HN, (API 05-123-34094), SI Status

This application is in a Comprehensive Area Plan Yes CAP #: 11984  
Oil and Gas Development Plan Name \_\_\_\_\_ OGDG ID#: \_\_\_\_\_  
Location ID: 459550

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Julie Webb

Title: Sr. Regulatory Analyst Date: 9/13/2022 Email: julie.webb@chevron.com

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules, applicable orders, and SB 19-181 and is hereby approved.

COGCC Approved: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_  
Expiration Date: \_\_\_\_\_

**API NUMBER**  
05 123 48937 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.**

<u>COA Type</u>	<u>Description</u>

## Best Management Practices

<b>No</b>	<b>BMP/COA Type</b>	<b>Description</b>
1	Drilling/Completion Operations	Anti-collision: Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed wellpath with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an as constructed gyro survey will be submitted to COGCC with the Form 5.
2	Drilling/Completion Operations	During and Post stimulation: Noble Energy will comply with the COGCC Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated 5/29/12.
3	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.

Total: 3 comment(s)

### Attachment List

<b>Att Doc Num</b>	<b>Name</b>
403163608	WELLBORE DIAGRAM
403164106	DEVIATED DRILLING PLAN
403165243	DIRECTIONAL DATA
403165249	CORRESPONDENCE

Total Attach: 4 Files

### General Comments

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
		Stamp Upon Approval

Total: 0 comment(s)

**Public Comments**

No public comments were received on this application during the comment period.

