

FORM

2

Rev  
05/22

## 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:

402881467

(SUBMITTED)

Date Received:

07/26/2023

## APPLICATION FOR PERMIT TO

☒ Drill ☐ Deepen ☐ Re-enter ☐ Recomplete and OperateAmend ☐TYPE OF WELL OIL ☒ GAS ☐ COALBED ☐ OTHER: \_\_\_\_\_Refill ☐ZONE TYPE SINGLE ZONE ☒ MULTIPLE ZONES ☐ COMMINGLE ZONES ☐Sidetrack ☐Well Name: WestermanWell Number: A4-786Name of Operator: NOBLE ENERGY INCCOGCC Operator Number: 100322Address: 2001 16TH STREET SUITE 900City: DENVERState: COZip: 80202Contact Name: Mosiah MontoyaPhone: (303)249 2425Fax: ( )Email: denverregulatory@chevron.onmicrosoft.com

## FINANCIAL ASSURANCE FOR PLUGGING, ABANDONMENT, AND RECLAMATION

## COGCC Financial Assurance

☒ The Operator has provided or will provide Financial Assurance to the COGCC for this Well.Surety ID Number (if applicable): 20030009

## Federal Financial Assurance

☐ In checking this box, the Operator certifies that it has provided or will provide at least this amount of Financial Assurance to the federal government for this Well. (Per Rule702.a.)

Amount of Federal Financial Assurance \$ \_\_\_\_\_

## WELL LOCATION INFORMATION

## Surface Location

QtrQtr: NENE Sec: 32 Twp: 7N Rng: 64W Meridian: 6

FNL/FSL

FEL/FWL

Footage at Surface: 496 Feet FNL 1026 Feet FELLatitude: 40.535220Longitude: -104.568600

GPS Data:

GPS Quality Value: 1.4Type of GPS Quality Value: PDOPDate of Measurement: 05/21/2021Ground Elevation: 4812Field Name: WATTENBERGField Number: 90750Well Plan: is ☐ Directional ☒ Horizontal (highly deviated) ☐ Vertical

If Well plan is Directional or Horizontal attach Deviated Drilling Plan and Directional Data.

## Subsurface Locations

Top of Productive Zone (TPZ)

Sec: 33 Twp: 7N Rng: 64WFootage at TPZ: 200 FNL 381 FWLMeasured Depth of TPZ: 7622True Vertical Depth of TPZ: 6947

FNL/FSL

FEL/FWL

**Base of Productive Zone (BPZ)**Sec: 4 Twp: 6N Rng: 64WFootage at BPZ: 200 FSL 286 FWLMeasured Depth of BPZ: 17641True Vertical Depth of BPZ: 6947 FNL/FSL FEL/FWL**Bottom Hole Location (BHL)**Sec: 4 Twp: 6N Rng: 64WFootage at BHL: 200 FSL 286 FWL

FNL/FSL FEL/FWL

**LOCAL GOVERNMENT PERMITTING INFORMATION**County: WELDMunicipality: 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? ☒ Yes ☐ No☒ 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: 01/08/2020Comments: CDP WOGLA 1041WOGLA19-0042 filed 12/10/2019, recorded 1/8/2020. A site-specific WOGLA will be filed prior to commencement of operations.**SURFACE AND MINERAL OWNERSHIP AT WELL'S OIL & GAS LOCATION**Surface Owner of the land at this Well's Oil and Gas Location: ☒ Fee ☐ State ☐ Federal ☐ IndianMineral Owner beneath this Well's Oil and Gas Location: ☒ 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):

☒ 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.)

NE/4 of Section 32, T7N-R64W, 6th P.M.Total Acres in Described Lease: 160Described Mineral Lease is: ☒ Fee ☐ State ☐ Federal ☐ Indian

Federal or State Lease # \_\_\_\_\_

## SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 363 Feet  
Building Unit: 869 Feet  
Public Road: 490 Feet  
Above Ground Utility: 445 Feet  
Railroad: 5280 Feet  
Property Line: 277 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	407-3394	1599	T6N-R64W, 6th P.M., Sec 4: Lots 3 and 4, W1/2NE1/4, S1/2NW1/4, SW1/4, W1/2SE1/4 Sec 5: Lot 1, S1/2NE1/4, SE1/4 T7N-R64W, 6th P.M., Sec 32: E1/2 Sec 33: W1/2, W1/2E1/2

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: 650 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

DSU Order Number 407-2968 has an exception location under order 407-3394.

**DRILLING PROGRAM**Proposed Total Measured Depth: 17641 FeetTVD at Proposed Total Measured Depth 6947 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: 497 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 thanor 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 ☐ None

Beneficial reuse or land application plan submitted? \_\_\_\_\_

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

**CASING PROGRAM**

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	26	16	A-52A	36.94	0	80	175	80	0
SURF	13+1/2	9+5/8	J-55	36	0	1850	640	1850	0
1ST	8+1/2	5+1/2	P-110	17	0	17641	2060	17641	

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

Zone Type	Formation /Hazard	Top M.D.	Top T.V.D.	Bottom M.D.	Bottom T.V.D.	TDS (mg/L)	Data Source	Comment
Groundwater	Laramie Fox Hills	0	0	425	425	501-1000	Groundwater Sample	COGCC Environmental Sample Site #705283, 753151, & 753211
Confining Layer	Pierre Shale	425	425	670	670			
Groundwater	Upper Pierre Aquifer	670	670	1690	1690	1001-10000	Other	COGCC Project #2141, Figure 5
Confining Layer	Pierre Shale	1690	1690	3800	3730			
Hydrocarbon	Parkman	3800	3730	4300	4200			
Confining Layer	Pierre Shale	4300	4200	4400	4310			
Hydrocarbon	Sussex	4400	4310	4900	4760			
Confining Layer	Pierre Shale	4900	4760	5300	5130			
Hydrocarbon	Shannon	5300	5130	5400	5230			
Confining Layer	Pierre Shale	5400	5230	6300	6070			
Hydrocarbon	Tepee Buttes	6300	6070	6950	6630			
Confining Layer	Pierre Shale	6950	6630	7150	6790			
Hydrocarbon	Niobrara	7150	6790	17641	6947			The TVD of the deepest hydrocarbon zone is the bottom of the well and not the bottom of the formation. The formation is not planned to be exited.

**OPERATOR COMMENTS AND SUBMITTAL**



Comments	<p>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 Upper Pierre Aquifers to oil-based mud.</p> <p>The nearest well in unit per 2-D calculation is the Westerman A5-716 @ 650'. The nearest outside operated well per anti-collision is the Heinze 44-29 (API: 05-123-22341) PR Status @ 497'.</p> <p>Chevron/Noble has filed a Form 6S for the three wells ECMC identified as needing to be P&amp;A prior to filing this Form 2 to comply with the number of wells in the approved Form 2A for this OGDG:</p> <p>05-123-26380 – Westerman 32-11 – Doc 403458729 05-123-33291 – Cecil USX AB35-12D – Doc 403458800 05-123-33294 – Cecil USX AB35-11D – Doc 403461568</p>
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This application is in a Comprehensive Area Plan No CAP #: \_\_\_\_\_

Oil and Gas Development Plan Name WR OGDG 4 OGDG ID#: 481741

Location ID: 310417

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

Signed: \_\_\_\_\_ Print Name: Ann Feldman

Title: Regulatory Manager Date: 7/26/2023 Email: regulatory@ascentgeomatrics.c

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

### 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
0 COA	

## Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	Drilling/Completion Operations	Open-Hole Logging Exception: One of the first wells drilled on the pad during the first rig occupation will be logged with cased-hole neutron log with 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 in that well and have those logs attached. The Form 5 for each well will state "Open-Hole Logging Exception - No open-hole logs were run" and will clearly identify the type of log and the well (by API#) in which open-hole logs were run.
2	Drilling/Completion Operations	If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.
3	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 well path with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottom hole 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.

Total: 3 comment(s)

## Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403220966	DEVIATED DRILLING PLAN
403220969	DIRECTIONAL DATA
403220972	OPEN HOLE LOGGING EXCEPTION
403291670	OffsetWellEvaluations Data
403292967	WELL LOCATION PLAT

Total Attach: 5 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Return to DRAFT: Per operator request	03/20/2023

Total: 1 comment(s)