

FORM  
2

Rev  
05/22

State of Colorado

Energy & Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

403616301

(SUBMITTED)

Date Received:

02/13/2024

APPLICATION FOR PERMIT TO

Drill     Deepen     Re-enter     Recomplete and Operate    Amend

TYPE OF WELL    OIL     GAS     COALBED     OTHER: \_\_\_\_\_    Refile

ZONE TYPE    SINGLE ZONE     MULTIPLE ZONES     COMMINGLE ZONES     Sidetrack

Well Name: GUTTERSEN    Well Number: YY18-726

Name of Operator: NOBLE ENERGY INC    COGCC Operator Number: 100322

Address: 1099 18TH STREET SUITE 1500

City: DENVER    State: CO    Zip: 80202

Contact Name: Doug Dennison    Phone: (303)228-4000    Fax: ( )

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): 20230051

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: SWNE    Sec: 18    Twp: 2N    Rng: 63W    Meridian: 6

Footage at Surface: 1583 Feet FNL    2476 Feet FEL

Latitude: 40.141251    Longitude: -104.479682

GPS Data:    GPS Quality Value: 1.2    Type of GPS Quality Value: PDOP    Date of Measurement: 10/10/2023

Ground Elevation: 4896

Field Name: WATTENBERG    Field Number: 90750

Well 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: 18    Twp: 2N    Rng: 63W    Footage at TPZ: 2434    FNL    1013    FEL  
Measured Depth of TPZ: 7662    True Vertical Depth of TPZ: 6784    FNL/FSL    FEL/FWL

Base of Productive Zone (BPZ)  
 Sec: 7 Twp: 2N Rng: 63W Footage at BPZ: 200 FNL 1036 FEL  
 Measured Depth of BPZ: 15188 True Vertical Depth of BPZ: 6745 FNL/FSL FEL/FWL  
 Bottom Hole Location (BHL)  
 Sec: 7 Twp: 2N Rng: 63W Footage at BHL: 200 FNL 1036 FEL  
 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?  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: 11/21/2023  
 Comments: 1041WOGLA23-0018 Approved on 11/21/2023

**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  Indian  
 Mineral 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.)

T2N, R4W, Sec 1: All, & Sec 12: All  
T2N, R63W, Sec 7: All, & Sec 18: W/2NW/4

Total Acres in Described Lease: 2024 Described Mineral Lease is:  Fee  State  Federal  Indian  
 Federal or State Lease # \_\_\_\_\_

**SAFETY SETBACK INFORMATION**

Distance from Well to nearest:

Building: 3055 Feet  
 Building Unit: 4201 Feet  
 Public Road: 556 Feet  
 Above Ground Utility: 1622 Feet  
 Railroad: 4790 Feet  
 Property Line: 478 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           | 407-3543                | 2264                          | T2N, R4W, Sec 1: All, & Sec 12: All T2N, R63W, Sec 7: All, & Sec 18: N/2 |

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

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

Enter 5280 for distance greater than 1 mile.

**SUBSURFACE MINERAL SETBACKS**

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: 683 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**

COGCC Spacing Order Cause #407-3543

**DRILLING PROGRAM**Proposed Total Measured Depth: 15188 Feet TVD at Proposed Total Measured Depth 6745 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: 389 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**

| 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             | 1950          | 665       | 1950    | 0       |
| 1ST         | 8+1/2        | 5+1/2          | P-110 | 17    | 0             | 15188         | 1783      | 15188   | 1000    |

 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       | Fox Hills Sandstone  | 476      | 476        | 796         | 796           | 1001-10000 | DWR         | COGCC UPWQ Study       |
| Confining Layer   | Pierre Shale         | 796      | 796        | 948         | 948           |            |             |                        |
| Groundwater       | UPIR/Pawnee Aquifer  | 948      | 948        | 1620        | 1620          | 1001-10000 | Other       | COGCC UPWQ Study       |
| Confining Layer   | Pierre Shale         | 1620     | 1620       | 3936        | 3810          |            |             |                        |
| Hydrocarbon       | Parkman              | 3936     | 3810       | 4170        | 4015          |            |             |                        |
| Confining Layer   | Pierre Shale         | 4170     | 4015       | 4320        | 4143          |            |             |                        |
| Hydrocarbon       | Sussex               | 4320     | 4143       | 4870        | 4610          |            |             |                        |
| Confining Layer   | Pierre Shale         | 4870     | 4610       | 5257        | 4954          |            |             |                        |
| Hydrocarbon       | Shannon              | 5257     | 4954       | 5630        | 5280          |            |             |                        |
| Confining Layer   | Pierre Shale         | 5630     | 5280       | 7117        | 6578          |            |             |                        |
| Subsurface Hazard | Sharon Springs Shale | 7117     | 6578       | 7169        | 6613          |            |             | least competent shales |
| Hydrocarbon       | Niobrara             | 7169     | 6613       | 15188       | 6745          |            |             | NIO C TARGET           |

**OPERATOR COMMENTS AND SUBMITTAL**

Comments



## Best Management Practices

| <b>No</b> | <b>BMP/COA Type</b>            | <b>Description</b>   |
|-----------|--------------------------------|--|
| 1         | Drilling/Completion Operations | Operator will perform anti-collision evaluation of all active (producing, shut-in, or temporarily abandoned) offset wellbores that have the potential of being within 150' of the proposed well prior to drilling operations.  |
| 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 | 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.  |
| 4         | Drilling/Completion Operations | Alternative Logging Program: One of the first wells drilled on the pad during the first rig occupation will be logged with open-hole resistivity log with gamma-ray log from the kick-off point into the surface casing for one of the stratigraphically deepest wells on the pad. 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 will state "Alternative Logging Program - 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. |

Total: 4 comment(s)

### Attachment List

| <b>Att Doc Num</b> | <b>Name</b>                |
|--------------------|----------------------------|
| 403619208          | SURFACE AGRMT/SURETY       |
| 403629554          | DIRECTIONAL DATA           |
| 403633882          | OffsetWellEvaluations Data |
| 403685298          | DEVIATED DRILLING PLAN     |
| 403685299          | WELL LOCATION PLAT         |
| 403685300          | OTHER                      |

Total Attach: 6 Files

### General Comments

| <b>User Group</b> | <b>Comment</b>                         | <b>Comment Date</b> |
|-------------------|--|---------------------|
| Permit            | Return to DRAFT - per operator request | 02/13/2024          |

Total: 1 comment(s)