

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:

403857368

**(SUBMITTED)**

Date Received:

10/15/2024

### 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: TINMAN FEDERAL    Well Number: LG07-685

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

Address: 1099 18TH STREET SUITE 1500

City: DENVER    State: CO    Zip: 80202

Contact Name: Patricia Minerich    Phone: (303)228-4000    Fax: ( )

Email: RBUDevPermitting@chevron.com

### FINANCIAL ASSURANCE FOR PLUGGING, ABANDONMENT, AND RECLAMATION

#### ECMC Financial Assurance

The Operator has provided or will provide Financial Assurance to the ECMC 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: SENW    Sec: 9    Twp: 8N    Rng: 59W    Meridian: 6

Footage at Surface: 2454 Feet FNL    1339 Feet FWL

Latitude: 40.677386    Longitude: -103.986061

GPS Data:    GPS Quality Value: 1.3    Type of GPS Quality Value: PDOP    Date of Measurement: 07/19/2023

Ground Elevation: 4815

Field Name: DJ HORIZONTAL NIOBRARA    Field Number: 16950

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: 8    Twp: 5N    Rng: 59W    Footage at TPZ: 330    FNL    200    FEL

Measured Depth of TPZ: 6930    True Vertical Depth of TPZ: 6096    FNL/FSL    FEL/FWL

Base of Productive Zone (BPZ)

Sec: 7 Twp: 5N Rng: 59W Footage at BPZ: 350 FNL 200 FWL  
Measured Depth of BPZ: 17065 True Vertical Depth of BPZ: 6096 FNL/FSL FEL/FWL

Bottom Hole Location (BHL)

Sec: 7 Twp: 5N Rng: 59W Footage at BHL: 350 FNL 200 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: 05/10/2024

Comments: 1041WOGLA23-0068, Approved 5/10/2024. Location has not been built.

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
- [X] 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.)

Lot 7, Section 6, Township 8 North, Range 59 West, 6th PM  
Lot 1-4, W2NE, E2W2, N2SE, Section 7, Township 8 North, Range 59 West, 6th PM  
Weld County, CO

Total Acres in Described Lease: 524 Described Mineral Lease is:  Fee  State  Federal  Indian  
Federal or State Lease # COC76970

## SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 5213 Feet  
Building Unit: 5280 Feet  
Public Road: 3907 Feet  
Above Ground Utility: 3952 Feet  
Railroad: 5280 Feet  
Property Line: 1291 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	535-1500	1285	T8N, R59W, 6th P.M., Section 7: Lots 1-4, E/2W/2, E/2 (ALL), Section 8: ALL

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: 658 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

See the Approved Spacing Order No. 535-1500.

## DRILLING PROGRAM

Proposed Total Measured Depth: 17065 Feet

TVD at Proposed Total Measured Depth 6096 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: 370 Feet  No well belonging to another operator within 1,500 feet

Will a closed-loop drilling system be used? Yes

Is 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? No

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? Yes

BOP 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	633	1850	0
1ST	8+1/2	5+1/2	P-110	17	0	17065	1975	17065	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
Confining Layer	Pierre Shale	592	592	829	829			
Groundwater	UPIR/Pawnee Aquifer	829	829	1420	1420	1001-10000	Other	COGCC UPWQ Study
Confining Layer	Pierre Shale	1420	1420	3340	3290			
Hydrocarbon	Parkman	3340	3290	3830	3704			
Confining Layer	Pierre Shale	3830	3704	4170	3978			
Hydrocarbon	Sussex	4170	3978	4280	4072			
Confining Layer	Pierre Shale	4280	4072	4830	4504			
Hydrocarbon	Shannon	4830	4504	4880	4550			
Confining Layer	Pierre Shale	4880	4550	6630	5914			
Subsurface Hazard	Sharon Springs Shale	6630	5914	6660	5940			least competent shales
Hydrocarbon	Niobrara	6660	5940	17065	6096			NIO B TARGET

## OPERATOR COMMENTS AND SUBMITTAL

Comments



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><u>Att Doc Num</u></b>	<b><u>Name</u></b>
403941532	DIRECTIONAL DATA
403941535	OffsetWellEvaluations Data
403941536	DEVIATED DRILLING PLAN
403941538	WELL LOCATION PLAT
403952440	SURFACE AGRMT/SURETY

Total Attach: 5 Files

**General Comments**

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

Total: 0 comment(s)