

**State of Colorado**  
**Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
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|                                      |    |    |    |
|--------------------------------------|----|----|----|
| DE                                   | ET | OE | ES |
| Document Number:<br><u>402921438</u> |    |    |    |
| Date Received:<br><u>02/11/2022</u>  |    |    |    |

**SUNDRY NOTICE**

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

|   |                                       |
|---|---------------------------------------|
| OGCC Operator Number: <u>100322</u>                     | Contact Name <u>Mike Marini</u>       |
| Name of Operator: <u>NOBLE ENERGY INC</u>               | Phone: <u>(713) 992 1123</u>          |
| Address: <u>1001 NOBLE ENERGY WAY</u>                   | Fax: ( )                              |
| City: <u>HOUSTON</u> State: <u>TX</u> Zip: <u>77070</u> | Email: <u>mike.marini@chevron.com</u> |

**FORM 4 SUBMITTED FOR:**

Facility Type: WELL

API Number : 05- 123 49496 00 ID Number: 460658

Name: TATANKA FEDERAL Number: LD13-625

Location QtrQtr: NESE Section: 15 Township: 9N Range: 58W Meridian: 6

County: WELD Field Name: DJ HORIZONTAL NIOBRARA

**Oil & Gas Location(s) and Oil & Gas Development Plan (OGDP) Information**

**Location(s)**

| Location ID | Location Name and Number |
|-------------|--------------------------|
| 460648      | LD15-09 PAD              |

**OGDP(s)**

No OGDP

**WELL LOCATION CHANGE OR AS-BUILT GPS REPORT**

Change of Location for Well \*     As-Built GPS Location Report     As-Built GPS Location Report with Survey

\* Well Location Change requires a new Plat.

**SURFACE LOCATION GPS DATA**      Data must be provided for Change of Surface Location and As Built Reports.

Latitude 40.749354      Longitude -103.841815

GPS Quality Value: 1.5    Type of GPS Quality Value: PDOP    Measurement Date: 10/20/2016

Well Ground Elevation: 4662 feet (Required for change of Surface Location.)

**WELL LOCATION CHANGE**

Well plan is: HORIZONTAL (Vertical, Directional, Horizontal)

|   |                                  |                 |                   |                   |     |
|---|----------------------------------|-----------------|-------------------|-------------------|-----|
| Change of <b>Surface Footage From:</b>                |                                  | FNL/FSL         |                   | FEL/FWL           |     |
|   |                                  | 1919            | FSL               | 335               | FEL |
| Change of <b>Surface Footage To:</b>                  |                                  | 1909            | FSL               | 335               | FEL |
| Current <b>Surface Location From</b>                  | QtrQtr <u>NESE</u> Sec <u>15</u> | Twp <u>9N</u>   | Range <u>58W</u>  | Meridian <u>6</u> |     |
| New <b>Surface Location To</b>                        | QtrQtr <u>NESE</u> Sec <u>15</u> | Twp <u>9N</u>   | Range <u>58W</u>  | Meridian <u>6</u> |     |
| Change of <b>Top of Productive Zone Footage From:</b> |                                  | 940             | FSL               | 200               | FWL |
| Change of <b>Top of Productive Zone Footage To:</b>   |                                  |                 |                   |                   | **  |
| Current <b>Top of Productive Zone Location</b>        | Sec <u>14</u>                    | Twp <u>9N</u>   | Range <u>58W</u>  |                   |     |
| New <b>Top of Productive Zone Location</b>            | Sec <u>    </u>                  | Twp <u>    </u> | Range <u>    </u> |                   |     |

Change of **Base of Productive Zone** Footage **From:**

FSL

FWL

Change of **Base of Productive Zone** Footage **To:**

939 FSL

200 FEL \*\*

Current **Base of Productive Zone** Location

Sec

Twp

Range

New **Base of Productive Zone** Location

Sec 13

Twp 9N

Range 58W

Change of **Bottomhole** Footage **From:**

940 FSL

140 FEL

Change of **Bottomhole** Footage **To:**

\*\*

Current **Bottomhole** Location

Sec 13

Twp 9N

Range 58W

\*\* attach deviated drilling plan

New **Bottomhole** Location

Sec

Twp

Range

### SAFETY SETBACK INFORMATION

Required for change of Surface Location.

Distance from Well to nearest:

Building: 1904 Feet  
 Building Unit: 2283 Feet  
 Public Road: 4930 Feet  
 Above Ground Utility: 307 Feet  
 Railroad: 5280 Feet  
 Property Line: 335 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.

### SUBSURFACE MINERAL SETBACKS

Required for change of Top and/or Base of Productive Zone. 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: 580 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: 200 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. \_\_\_\_\_

### LOCATION CHANGE COMMENTS

No TPZ/BHL Changes are proposed, so nearest well information is unchanged. Well name and SHL change only to reflect reduced spacing between SHL. Laterals are unchanged, so BHZ is unchanged but has been added to location table.

### CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT

| <u>Objective Formation</u> | <u>Formation Code</u> | <u>Spacing Order Number</u> | <u>Unit Acreage</u> | <u>Unit Configuration</u> | <u>Add</u> | <u>Modify</u> | <u>No. Change</u> | <u>Delete</u> |
|----------------------------|-----------------------|-----------------------------|---------------------|---------------------------|------------|---------------|-------------------|---------------|
| NIOBRARA                   | NBRR                  | 535-911                     | 1280                | Sec 13&14ALL 9N58W        |            |               | X                 |               |



Comments:

**ENGINEERING AND ENVIRONMENTAL WORK**

NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below, as required by Rule 434.b.(3).

Date well temporarily abandoned \_\_\_\_\_  
Has Production Equipment been removed from site? \_\_\_\_\_  
Mechanical Integrity Test (MIT) required. Date of last MIT \_\_\_\_\_

**TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK**

Details of work must be described in full in the COMMENTS below or provided as an attachment.

NOTICE OF INTENT/REQUEST FOR APPROVAL      Approximate Start Date 02/01/2022  
 SUBSEQUENT REPORT      Date of Activity \_\_\_\_\_

- Bradenhead Plan
- Change Drilling Plan
- Gross Interval Change
- Underground Injection Control
- Request approval of Reuse and Recycling Plan per Rule 905.a.(3). (Reuse and Recycling Plan must be attached.)
- Request approval of Alternative Sampling Plan per Rule 909.j.(6). for this Pit. (Alternative Sampling Program must be attached.)
- Other
- Venting or Flaring (Rule 903)
- Repair Well
- E&P Waste Mangement
- Beneficial Reuse of E&P Waste

Request that an existing produced water sample from the same formation be used per Rule 909.j.(6) to meet the requirements of Rule 909.j.(1)-(5) for this Well.

Pit ID \_\_\_\_\_ Pit Name \_\_\_\_\_  
(No Sample Provided)

Subsequent well operations with heavy equipment (Rule 312)  
(No Well Provided)

COMMENTS:

**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                    | N/A          | 42           | 0                    | 80                   | 6                | 80             | 0              |
| SURF               | 13+1/2              | 9+5/8                 | J55          | 36           | 0                    | 1850                 | 658              | 1850           | 0              |
| 1ST                | 8+1/2               | 5+1/2                 | HCP110       | 20           | 0                    | 16320                | 2174             | 16320          | 2500           |

**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> |
|------------------|--------------------------|-----------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------|
| Hydrocarbon      | Fox Hills                | 20              | 20                | 339                | 339                  | 0-500             | USGS               |                |
| Confining Layer  | Pierre Shale             | 340             | 340               | 933                | 933                  |                   |                    |                |

|                 |                      |      |      |       |      |          |      |  |
|-----------------|----------------------|------|------|-------|------|----------|------|--|
| Hydrocarbon     | Upper Pierre Aquifer | 934  | 934  | 1095  | 1093 | 501-1000 | WQCC | USFS226830   |
| Confining Layer | Pierre Shale         | 1096 | 1094 | 3209  | 3163 |          |      |  |
| Hydrocarbon     | Parkman              | 3210 | 3164 | 3717  | 3660 |          |      |  |
| Hydrocarbon     | Sussex               | 3718 | 3661 | 4330  | 4260 |          |      |  |
| Hydrocarbon     | Shannon              | 4331 | 4261 | 5480  | 5353 |          |      |  |
| Confining Layer | Sharon Springs       | 5481 | 5354 | 5621  | 5453 |          |      |  |
| Hydrocarbon     | Niobrara             | 5622 | 5454 | 16320 | 5587 |          |      | No base MD or TVD, the well does not exit the formation. |

**H2S REPORTING**

- Intentional release of H2S gas due to Upset Condition or malfunction.
- Intent to temporarily abandon well with potential H2S concentration >100 ppm.

Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.

Gas Analysis Report must be attached.

H2S Concentration: \_\_\_\_\_ in ppm (parts per million)                      Date of Measurement or Sample Collection \_\_\_\_\_

Description of Sample Point:

Absolute Open Flow Potential \_\_\_\_\_ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: \_\_\_\_\_

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: \_\_\_\_\_

COMMENTS:

**OIL & GAS LOCATION UPDATES**

OGDP ID \_\_\_\_\_ OGDP Name \_\_\_\_\_

**SITE EQUIPMENT LIST UPDATES**

Indicate the number and type of major equipment components planned for use on this Oil and Gas Location:

|                            |                       |                            |                       |                                    |
|----------------------------|-----------------------|----------------------------|-----------------------|------------------------------------|
| Wells _____                | Oil Tanks _____       | Condensate Tanks _____     | Water Tanks _____     | Buried Produced Water Vaults _____ |
| Drilling Pits _____        | Production Pits _____ | Special Purpose Pits _____ | Multi-Well Pits _____ | Modular Large Volume Tank _____    |
| Pump Jacks _____           | Separators _____      | Injection Pumps _____      | Heater-Treaters _____ | Gas Compressors _____              |
| Gas or Diesel Motors _____ | Electric Motors _____ | Electric Generators _____  | Fuel Tanks _____      | LACT Unit _____                    |

Dehydrator Units \_\_\_\_\_ Vapor Recovery Unit \_\_\_\_\_ VOC Combustor \_\_\_\_\_ Flare \_\_\_\_\_ Enclosed Combustion Devices \_\_\_\_\_  
 Meter/Sales Building \_\_\_\_\_ Pigging Station \_\_\_\_\_ Vapor Recovery Towers \_\_\_\_\_

**OTHER PERMANENT EQUIPMENT UPDATES**

**OTHER TEMPORARY EQUIPMENT UPDATES**

**CULTURAL AND SAFETY SETBACK UPDATES**

**OTHER LOCATION CHANGES AND UPDATES**

Provide a description of other changes or updates to technical information for this Location:

\_\_\_\_\_

**POTENTIAL OGDG UPDATES**

**PROPOSED CHANGES TO AN APPROVED OGDG**

This Sundry Form 4 is being submitted pursuant to Rule 301.c to propose changes to an approved Oil and Gas Development Plan.

Check all boxes that pertain to the type(s) of changes being proposed for this OGDG:

- Add Oil and Gas Location(s)
- Add Drilling and Spacing Unit(s)
- Amend Oil and Gas Location(s)
- Amend Drilling and Spacing Unit(s)
- Remove Oil and Gas Location(s)
- Remove Drilling and Spacing Unit(s)
- Oil and Gas Location attachment or plan updates
- Amend the lands subject to the OGDG
- Other

Provide a detailed description of the changes being proposed for this OGDG. Attach supporting documentation such as maps if necessary.

\_\_\_\_\_

**Best Management Practices**

| No | BMP/COA Type                   | Description   |
|----|--------------------------------|---|
| 1  | Drilling/Completion Operations | Bradenhead Monitoring: Operator acknowledges and will comply with COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012.  |
| 2  | Drilling/Completion Operations | Anti-collision: Operator will perform an anti-collision evaluation of all active (producing, shut in, or temporarily abandoned) offset wellbores that have the potential of being within 150 feet of a proposed well prior to drilling operations for the proposed well. Notice shall be given to all offset operators prior to drilling.   |
| 3  | Drilling/Completion Operations | Alternative Logging Program - 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 to 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 "Alternative Logging Program - No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open-hole logs were run. |
| 4  | Drilling/Completion Operations | Blowout Prevention Equipment ("BOPE"): A double ram and annular preventer will be used during drilling. Stabbing valves shall be installed in the event of reverse circulation and shall be prior tested with low- and high-pressure fluid.   |

Total: 4 comment(s)

**Operator Comments:**

There have been no new buildings constructed and no changes to the surrounding land use. There are also no changes to the Surface & Minerals, nearest wells, lease, formation/spacing, or offset well evaluations. All previously submitted notices, Surface Use Agreements, and letters are also still valid. Cultural distances updated to reflect SHL changes do not newly encroach any regulatory setbacks to receptors. Operator requests to expedite sundries due to pad construction having started.

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

Signed: \_\_\_\_\_ Print Name: Justin Garrett  
 Title: Sr. Regulatory Analyst Email: regulatory@ascentgeomatics.com Date: 2/11/2022

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: Acks, Alex Date: 2/17/2022

**CONDITIONS OF APPROVAL, IF ANY:****Condition of Approval****COA Type****Description**

|  |  |
|--|--|
|  | This Sundry Notice Form 4 authorizes changes in the drilling/casing/cementing program as shown on the Drilling Permit Form 2 and must be visibly posted with the permit during drilling. |
|  | Approval of this sundry makes changes to the current APD and a copy of this sundry shall be displayed in the doghouse along with the APD while this well is being drilled.               |

2 COAs

**General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b>  | <b><u>Comment Date</u></b> |
|--------------------------|--|----------------------------|
| Permit                   | Corrected BPZ per attached Well Location Plat with operator concurrence. Permitting review complete. | 02/17/2022                 |
| Permit                   | Corrected BPZ per attached Well Location Plat with operator concurrence. Permitting review complete. | 02/17/2022                 |
| Permit                   | BPZ does not match Well Location Plat. Emailed operator.   | 02/16/2022                 |
| Engineer                 | PFZ table is incomplete, RTD for Operator correction. Done. Updated proposed depth in well update.   | 02/07/2022                 |

Total: 4 comment(s)

**Attachment List**

| <b><u>Att Doc Num</u></b> | <b><u>Name</u></b>   |
|---------------------------|--|
| 402921438                 | SUNDRY NOTICE APPROVED-LOC-SFTY-STBK-MNRL-STBK-OBJ-NAME-DRLG-CSG |
| 402937686                 | DIRECTIONAL DATA   |
| 402937687                 | DEVIATED DRILLING PLAN   |
| 402937688                 | WELL LOCATION PLAT   |
| 402958930                 | FORM 4 SUBMITTED   |

Total Attach: 5 Files