FORM 4 Rev 01/22

# State of Colorado
# Oil and Gas Conservation Commission

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| DE | ET | OE | ES |
|---|---|---|---|
| | | | |

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## 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: 10669 Contact Name ERIN LIND

Name of Operator: NICKEL ROAD OPERATING LLC Phone: (303) 226-7375

Address: 44 COOK ST STE 705 Fax: ( )

City: DENVER State: CO Zip: 80206 Email: ERIN.LIND@NICKELROADOPERATING.COM

FORM 4 SUBMITTED FOR:

Facility Type: WELL

API Number : 05- 123 51508 00 ID Number: 479502

Name: REEMAN Number: 7X-HNC-04-06-65

Location QtrQtr: SWNW Section: 5 Township: 6N Range: 65W Meridian: 6

County: WELD Field Name: WATTENBERG

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

Location(s)

| Location ID | Location Name and Number |
|---|---|
| 478973 | REEMAN 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 40.518299 Longitude -104.691569

GPS Quality Value: 1.8 Type of GPS Quality Value: PDOP Measurement Date: 10/06/2020

Well Ground Elevation: 4816 feet (Required for change of Surface Location.)

WELL LOCATION CHANGE

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

| | FNL/FSL | | FEL/FWL | |
|---|---|---|---|---|
| Change of **Surface** Footage **From**: | 2043 | FNL | 1397 | FWL |
| Change of **Surface** Footage **To**: | 2125 | FNL | 1467 | FWL |

| | QtrQtr | Sec | Twp | Range | Meridian |
|---|---|---|---|---|---|
| Current **Surface** Location **From** | SWNW | 5 | 6N | 65W | 6 |
| New **Surface** Location **To** | SENW | 5 | 6N | 65W | 6 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Change of **Top of Productive Zone** Footage **From**: | | | | 1047 | FSL | 460 | FWL | |
| Change of **Top of Productive Zone** Footage **To**: | | | | 869 | FSL | 460 | FWL | ** |
| Current **Top of Productive Zone** Location | Sec | 5 | Twp 6N | | | Range 65W | | |
| New **Top of Productive Zone** Location | Sec | 5 | Twp 6N | | | Range 65W | | |
| Change of **Base of Productive Zone** Footage **From**: | | | | | FSL | | FWL | |
| Change of **Base of Productive Zone** Footage **To**: | | | | 897 | FSL | 2508 | FWL | ** |
| Current **Base of Productive Zone** Location | Sec | | Twp | | | Range | | |
| New **Base of Productive Zone** Location | Sec | 4 | Twp 6N | | | Range 65W | | |
| Change of **Bottomhole** Footage **From**: | | | | 1155 | FSL | 2198 | FWL | |
| Change of **Bottomhole** Footage **To**: | | | | 897 | FSL | 2508 | FWL | ** |
| Current **Bottomhole** Location | Sec | 4 | Twp 6N | | | Range 65W | | ** attach deviated drilling plan |
| New **Bottomhole** Location | Sec | 4 | Twp 6N | | | Range 65W | | |

## SAFETY SETBACK INFORMATION

Required for change of Surface Location.

Distance from Well to nearest:

| | | |
|---|---|---|
| Building: | 912 | Feet |
| Building Unit: | 1502 | Feet |
| Public Road: | 1459 | Feet |
| Above Ground Utility: | 977 | Feet |
| Railroad: | 3448 | Feet |
| Property Line: | 235 | 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: 150 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: 199 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

CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT

| Objective Formation | Formation Code | Spacing Order Number | Unit Acreage | Unit Configuration | Add | Modify | No Change | Delete |
|---|---|---|---|---|---|---|---|---|
| NIOBRARA | NBRR | 407-3299 | 960 | S.4: W/2, S.5: ALL | | X | | |

OTHER

☐ **RULE 502 VARIANCE**

Order Number: _____

Description: _____

☐ **REMOVE FROM SURFACE BOND** **Signed surface use agreement is a required attachment**

☒ **CHANGE NAME OR NUMBER OF WELL, FACILITY, OIL & GAS LOCATION, OR OGDP**

From: Name REEMAN Number 7X-HNC-04-06-65 Effective Date: 03/15/2022

To: Name REEMAN Number 7X-HNB-04-06-65

☐ **ABANDON PERMIT: Permit can only be abandoned if the permitted operation has NOT been conducted. Field inspection will be conducted to verify site status.**

☐ WELL:Abandon Application for Permit-to-Drill (Form2) – Well API Number _____ has not been drilled.

☐ PIT: Abandon Earthen Pit Permit (Form 15) – COGCC Pit Facility ID Number _____ has not been constructed (Permitted and constructed pit requires closure per Rule 911)

☐ CENTRALIZED E&P WASTE MANAGEMENT FACILITY: Abandon Centralized E&P Waste Management Facility Permit (Form 28) – Facility ID Number _____ has not been constructed (Constructed facility requires closure per Rule 907)

OIL & GAS LOCATION ID Number: _____

☐ Abandon Oil & Gas Location Assessment (Form 2A) – Location has not been constructed and site will not be used in the future.

☐ Keep Oil & Gas Location Assessment (Form 2A) active until expiration date. This site will be used in the future.

**Surface disturbance from Oil and Gas Operations must be reclaimed per Rule 1003 and Rule 1004.**

☐ **REQUEST FOR WELL RECORDS CONFIDENTIALITY (Rule 206.c.(1))**

☐ **DIGITAL WELL LOG UPLOAD**

☐ **DOCUMENTS SUBMITTED** Purpose of Submission: _____

☐ **COMPLIANCE with CONDITION OF APPROVAL (COA) on** Form NO: _____ Document Number: _____

RECLAMATION

INTERIM RECLAMATION

☐ Interim Reclamation will commence approximately _____

Per Rule 1003.e.(3) operator shall submit Sundry Notice reporting interim reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Interim reclamation complete, site ready for inspection.
Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.

**Field inspection will be conducted to document Rule 1003.e. compliance**

FINAL RECLAMATION

☐ Final Reclamation will commence approximately _____

Per Rule 1004.c.(4) operator shall submit Sundry Notice reporting final reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐

Final reclamation complete, site ready for inspection. Per Rule 1004.c(4) describe final reclamation procedure in Comments below or provide as an attachment.

**Field inspection will be conducted to document Rule 1004.c. compliance**

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 03/15/2022

☐ SUBSEQUENT REPORT Date of Activity _____

☐ Bradenhead Plan ☐ Venting or Flaring (Rule 903) ☐ E&P Waste Mangement

☒ Change Drilling Plan ☐ Repair Well ☐ Beneficial Reuse of E&P Waste

☐ 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

☐ 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:

Please refer to 'CASING & CEMENTING PLAN' tab for updated program information. Updated depths are as follows:
MD @ TPZ: 7986'
TVD @ TPZ: 7037'
MD @ BHL: 15317'
TVD @ BHL: 7005'

GAS CAPTURE

VENTING AND FLARING:

Operation type: _____ Operational phase requiring venting/flaring: _____

Reason for venting/flaring: _____

Describe Other reason for venting/flaring:

Describe why venting or flaring is necessary. If reporting per Rule 903.b.(2), 903.c.(3).C, or 903.d.(2), include the explanation, rationale, and cause of the event:

Describe how the operation will protect and minimize adverse impacts to public health, safety, welfare, the environment, and wildlife resources. If reporting per Rule 903.d.(2), include BMPs used to minimize venting on the BMP Tab:

Total volume of gas vented or flared: _____ mcf ☐ estimated ☐ measured

Total duration of emission event: _____ hours ☐ consecutive ☐ cumulative

Submit a single representative gas analysis via Form 43 to create a Sample Site Facility ID# for this Location. Reference the Form 43 document number on the Related Forms tab.

Sample Site Facility ID#: _____

GAS CAPTURE PLAN

Describe the plan to connect to a gathering line or beneficially use the gas; include anticipated timeline:

A Gas Capture Plan that meets the requirements of Rule 903.e is attached. ☐

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 | 24 | 16 | NA | 42 | 0 | 80 | 100 | 80 | 0 |
| SURF | 13+1/2 | 9+5/8 | K55 | 36 | 0 | 1700 | 475 | 1700 | 0 |
| 1ST | 8+1/2 | 5+1/2 | HCP110 | 20 | 0 | 15317 | 2000 | 15317 | 1000 |

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 | 114 | 114 | 1001-10000 | Other | CSU - Domestic Water Analysis Report - Larry Moore Well - 176559 |
| Groundwater | Upper Pierre | 288 | 288 | 1311 | 1302 | 1001-10000 | Other | Water Quality and the Presence and Origin of Methane in the Upper Pierre Aquifer in Northeastern Weld County, Morgan County and Logan County, Colorado COGCC Project Number 2141 October 2017 |
| Confining Layer | Pierre Shale | 1311 | 1302 | 4839 | 4483 | | | |
| Hydrocarbon | Sussex | 4839 | 4483 | 5438 | 5019 | | | |
| Hydrocarbon | Shannon | 5438 | 5019 | 5470 | 5048 | | | |
| Confining Layer | Pierre Shale | 5470 | 5048 | 7593 | 6911 | | | |
| Hydrocarbon | Niobrara | 7593 | 6911 | 15317 | 7005 | | | |

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 OGDP UPDATES

PROPOSED CHANGES TO AN APPROVED OGDP

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 OGDP:

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

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

## Best Management Practices

| No | BMP/COA Type | Description |
|---|---|---|
| | | |

Operator Comments:

SHL, TPZ & BHL Change of Location in preparation for the upcoming drilling occupation, which is planned to commence on or around 3/15/22. There are no changes proposed to the approved lease information. The following are attached or updated on their respective tabs to support the Change of Location request:
- Revised Well Location Plat
- Revised Deviated Drilling Plan
- Revised Directional Data Template
- Updated OWE
- Revised SHL, TPZ & BHL footages, well and cultural distances. The SHL Qtr/Qtr is not changing but is being updated to reflect the correct designation; see 'Well Location Change' tab
- Revised well number; see 'Other' tab
- Revised Spacing Order Number; see 'Formation/Spacing' tab
- Updated Casing / Cementing Program; see 'Casing & Cementing Plan' tab
- Updated PFZ Table data; see 'Casing & Cementing Plan' tab
- Updated well distances:

Distance from completed portion to nearest completed portion of wellbore permitted/completed in the same formation measured at 199' to the proposed and revised Reeman 8X-HNB-04-06-65.
Distance to nearest wellbore belonging to another operator measured to the O INVESTMENT PROPERTIES 6Y-401 (PDC / PR / 05-123-37271) at 369'.
All distances measured in 3D anti-collision.

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

Signed: _____ Print Name: ERIN LIND

Title: SENIOR REGULATORY ANALYST Email: ERIN.LIND@NICKELROADOPERATING Date: 3/1/2022

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

COGCC Approved: JENKINS, STEVE Date: 3/16/2022

**CONDITIONS OF APPROVAL, IF ANY:**

## Condition of Approval

| COA Type | Description |
|---|---|
| | |

0 COA

## General Comments

| User Group | Comment | Comment Date |
|---|---|---|
| Permit | Passed Permit Review | 03/07/2022 |

Total: 1 comment(s)

# Attachment List

| Att Doc Num | Name |
|---|---|
| 402961451 | SUNDRY NOTICE APPROVED-LOC-SFTY-STBK-MNRL-STBK-OBJ-NAME-DRLG-CSG |
| 402965715 | DEVIATED DRILLING PLAN |
| 402965716 | DIRECTIONAL DATA |
| 402965718 | OFFSET WELL EVALUATION |
| 402965720 | WELL LOCATION PLAT |
| 402986650 | FORM 4 SUBMITTED |

Total Attach: 6 Files