

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

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Date Received: 07/27/2022			

SUNDRY NOTICE

This form is required for reports, updates, and requests as specified in the COGCC rules. It is also used to request changes to some aspects of approved permits for Wells and Oil and Gas Locations.

OGCC Operator Number: <u>10669</u>	Contact Name <u>Erin Lind</u>
Name of Operator: <u>NICKEL ROAD OPERATING LLC</u>	Phone: <u>(303) 226-7375</u>
Address: <u>44 COOK ST STE 705</u>	Fax: ()
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80206</u>	Email: <u>erin.lind@nickelroadoperating.com</u>

FORM 4 SUBMITTED FOR:

Facility Type: WELL

API Number : 05- 123 51501 00 ID Number: 479495

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

Location QtrQtr: SENW 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 40.518419 Longitude -104.691605

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:				<input type="text" value="2110"/>	<input type="text" value="FNL"/>	<input type="text" value="1463"/>	<input type="text" value="FWL"/>			
Change of Surface Footage To:				<input type="text" value="2081"/>	<input type="text" value="FNL"/>	<input type="text" value="1457"/>	<input type="text" value="FWL"/>			
Current Surface Location From	QtrQtr	<input type="text" value="SENW"/>	Sec	<input type="text" value="5"/>	TwP	<input type="text" value="6N"/>	Range	<input type="text" value="65W"/>	Meridian	<input type="text" value="6"/>
New Surface Location To	QtrQtr	<input type="text" value="SENW"/>	Sec	<input type="text" value="5"/>	TwP	<input type="text" value="6N"/>	Range	<input type="text" value="65W"/>	Meridian	<input type="text" value="6"/>
Change of Top of Productive Zone Footage From:				<input type="text" value="1287"/>	<input type="text" value="FSL"/>	<input type="text" value="460"/>	<input type="text" value="FWL"/>			
Change of Top of Productive Zone Footage To:				<input type="text" value="1384"/>	<input type="text" value="FSL"/>	<input type="text" value="470"/>	<input type="text" value="FWL"/>	**		
Current Top of Productive Zone Location			Sec	<input type="text" value="5"/>	TwP	<input type="text" value="6N"/>	Range	<input type="text" value="65W"/>		
New Top of Productive Zone Location			Sec	<input type="text" value="5"/>	TwP	<input type="text" value="6N"/>	Range	<input type="text" value="65W"/>		

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

FSL

FWL

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

1436 FSL

2500 FWL

**

Current **Base of Productive Zone** Location

Sec

Twp

Range

New **Base of Productive Zone** Location

Sec

Twp

Range

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

1332 FSL

2507 FWL

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

1436 FSL

2500 FWL

**

Current **Bottomhole** Location

Sec

Twp

Range

** 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: 908 Feet
 Building Unit: 1473 Feet
 Public Road: 1449 Feet
 Above Ground Utility: 961 Feet
 Railroad: 3451 Feet
 Property Line: 246 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: 370 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

<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	407-3299	960	S.4: W/2, S.5: ALL			X	

Comments:

ENGINEERING AND ENVIRONMENTAL WORK

REPORT OF TEMPORARY ABANDONMENT

Describe the method used to ensure that the Well is closed to the atmosphere and the Operator's plans for future operation of the Well in the COMMENTS box below as required by Rule 434.b.(1).

REQUEST FOR TEMPORARY ABANDONMENT EXCEEDING 6 MONTHS

State the reason for the extension request and explain the Operator's plans for future operation of the Well 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 07/29/2022

SUBSEQUENT REPORT Date of Activity _____

- | | | |
|---|--|--|
| <input type="checkbox"/> Bradenhead Plan | <input type="checkbox"/> Venting or Flaring (Rule 903) | <input type="checkbox"/> E&P Waste Mangement |
| <input checked="" type="checkbox"/> Change Drilling Plan | <input type="checkbox"/> Repair Well | <input type="checkbox"/> Beneficial Reuse of E&P Waste |
| <input type="checkbox"/> Gross Interval Change | | |
| <input type="checkbox"/> Underground Injection Control | | |
| <input type="checkbox"/> Request approval of Reuse and Recycling Plan per Rule 905.a.(3). (Reuse and Recycling Plan must be attached.) | | |
| <input type="checkbox"/> Request approval of Alternative Sampling Plan per Rule 909.j.(6). for this Pit. (Alternative Sampling Program must be attached.) | | |
| <input type="checkbox"/> 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: 7830'
TVD @ TPZ: 6998'
MD @ BHL: 15145'
TVD @ BHL: 6923'

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

<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	24	16	NA	42	0	80	100	80	0
SURF	13+1/2	9+5/8	J-55	36	0	1700	475	1700	0
1ST	8+1/2	5+1/2	HCP110	20	0	15145	1580	15145	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>
Confining Layer	Quaternary Alluvium	0	0	25	25			
Groundwater	Laramie/Fox Hills	25	25	440	440	1001-10000	Other	CSU - Domestic Water Analysis Report - Larry Moore Well - 176559
Groundwater	Upper Pierre	440	440	1602	1595	1001-10000	Other	Water quality and the presence and origin of Methane in the Upper Pierre Aquifer in Northeast Weld County, Morgan County, and Logan County, Colorado COGCC Project Number 2141 October 2017
Confining Layer	Pierre Shale	1602	1595	3966	3762			
Hydrocarbon	Parkman	3966	3762	4774	4139			
Hydrocarbon	Sussex	4774	4497	5444	4641			
Hydrocarbon	Shannon	5444	5106	5623	5269			
Confining Layer	Pierre Shale	5623	5269	7501	6914			
Confining Layer	Sharon Springs	7501	6914	7566	6944			
Hydrocarbon	Niobrara	7566	6944	15145	7205			

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:

[Empty text box]

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.

[Empty text box]

Best Management Practices

No BMP/COA Type

Description

No BMP/COA Type	Description

Operator Comments:

SHL, TPZ & BHL Change of Location in preparation for an upcoming drilling occupation. 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
- Revised SHL, TPZ & BHL footages and well distances; see 'Well Location Change' 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 370' to the proposed and revised Reeman 6X-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 410'.
 - All distances measured in 3D anti-collision.

Updated Offset Well Evaluation is not provided because there are no significant changes to the previous version included with the sundries approved in March 2022.

The Reeman 7X-HC-04-06-65 (05-123-51502), which is currently permitted in the SHL slot being utilized by this well, will be abandoned.

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: Sr Regulatory Analyst Email: erin.lind@nickelroadoperating.com Date: 7/27/2022

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: 8/16/2022

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

COA Type

Description

0 COA

General Comments

User Group

Comment

Comment Date

Permit	Passed Permit Review	08/08/2022
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Total: 1 comment(s)

Attachment List

Att Doc Num

Name

403115394	SUNDRY NOTICE APPROVED-LOC-SFTY-STBK-MNRL-STBK-OBJ-DRLG-CSG
403115433	DEVIATED DRILLING PLAN
403115434	DIRECTIONAL DATA
403115436	WELL LOCATION PLAT
403138118	FORM 4 SUBMITTED

Total Attach: 5 Files