

State of Colorado
Oil and Gas Conservation Commission

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Date Received:			

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: <u>()</u>
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 51519 00 ID Number: 479513
 Name: REEMAN Number: 4X-HNC-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 40.518580 Longitude -104.691653
 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)

Change of **Surface Footage From:**

Change of **Surface Footage To:**

Current Surface Location From	QtrQtr <u>SENW</u>	Sec <u>5</u>	Twp <u>6N</u>	Range <u>65W</u>	Meridian <u>6</u>
New Surface Location To	QtrQtr <u></u>	Sec <u></u>	Twp <u></u>	Range <u></u>	Meridian <u></u>

FNL/FSL		FEL/FWL	
<u>2023</u>	<u>FNL</u>	<u>1444</u>	<u>FWL</u>
<u></u>	<u></u>	<u></u>	<u></u>

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

2424 FNL

460 FWL

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

2625 FNL

470 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:**

FNL

FWL

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

2710 FNL

2500 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:**

2515 FNL

2505 FWL

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

2710 FNL

2500 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: _____ Feet

Building Unit: _____ Feet

Public Road: _____ Feet

Above Ground Utility: _____ Feet

Railroad: _____ Feet

Property Line: _____ 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: 352 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

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

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: 7710'
TVD @ TPZ: 7138'
MD @ BHL: 15025'
TVD @ BHL: 7088'

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	K-55	36	0	1744	650	1744	0
1ST	8+1/2	5+1/2	HCP110	20	0	15025	1570	15025	2500

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	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	1617	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	1617	1595	3875	3762			
Hydrocarbon	Parkman	3875	3762	4643	4139			
Hydrocarbon	Sussex	4643	4497	5280	4641			
Hydrocarbon	Shannon	5280	5106	5451	5269			
Confining Layer	Pierre Shale	5451	5269	7179	6914			
Confining Layer	Sharon Springs	7179	6914	7218	6944			
Hydrocarbon	Niobrara	7218	6944	15025	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:

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

No BMP/COA Type	Description

Operator Comments:

TPZ & BHL Change of Location in preparation for an upcoming drilling occupation. This is an existing well with surface casing set therefore there are no changes proposed to the approved SHL, cultural distances or 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 TPZ & BHL footages; see 'Well Location Change' tab
- Updated Casing / Cementing Program; see 'Casing & Cementing Plan' tab. Conductor and surface casing info provided are actuals.
- 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 352' to the proposed and revised Reeman 5X-HNB-04-06-65.
 - Distance to nearest wellbore belonging to another operator measured to the Reeman 12-5 (PDC / PA /05-123-24233) at 281'.
 - 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.

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 _____ Date: _____

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

COGCC Approved: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

COA Type	Description

General Comments

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

Total: 0 comment(s)

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403118447	WELL LOCATION PLAT
403118451	DEVIATED DRILLING PLAN
403118458	DIRECTIONAL DATA

Total Attach: 3 Files