

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

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Date Received:			

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>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 51499 00 ID Number: 479493
 Name: REEMAN Number: 5X-HC-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 40.518650 Longitude -104.691858
 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:		FNL/FSL	FEL/FWL
		1912 FNL	1367 FWL
Change of Surface Footage To:		1999 FNL	1387 FWL
Current Surface Location From	QtrQtr <u>SWNW</u> Sec <u>5</u>	Twp <u>6N</u> Range <u>65W</u>	Meridian <u>6</u>
New Surface Location To	QtrQtr <u>SENW</u> Sec <u>5</u>	Twp <u>6N</u> Range <u>65W</u>	Meridian <u>6</u>

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

2561 FSL

460 FWL

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

2651 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:**

2751 FSL

2505 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:**

2672 FSL

2196 FWL

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

2751 FSL

2505 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: 856 Feet
 Building Unit: 1374 Feet
 Public Road: 1379 Feet
 Above Ground Utility: 869 Feet
 Railroad: 3408 Feet
 Property Line: 297 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: 240 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

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	K55	36	0	1700	475	1700	0
1ST	8+1/2	5+1/2	HCP110	20	0	15053	1970	15053	1000

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>
Groundwater	Laramie-Fox Hills	0	0	159	159	1001-10000	Other	CSU - Domestic Water Analysis Report - Larry Moore Well - 176559
Groundwater	Upper Pierre	333	333	1350	1347	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	1350	1347	4670	4528			
Hydrocarbon	Sussex	4670	4528	5231	5064			
Hydrocarbon	Shannon	5231	5064	5261	5093			
Confining Layer	Pierre Shale	5261	5093	7226	6956			
Hydrocarbon	Niobrara	7226	6956	15053	7050			

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 OGDG:

- | | |
|--|--|
| <input type="checkbox"/> Add Oil and Gas Location(s) | <input type="checkbox"/> Add Drilling and Spacing Unit(s) |
| <input type="checkbox"/> Amend Oil and Gas Location(s) | <input type="checkbox"/> Amend Drilling and Spacing Unit(s) |
| <input type="checkbox"/> Remove Oil and Gas Location(s) | <input type="checkbox"/> Remove Drilling and Spacing Unit(s) |
| <input type="checkbox"/> Oil and Gas Location attachment or plan updates | <input type="checkbox"/> Amend the lands subject to the OGDG |
| <input type="checkbox"/> 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

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 and Objective Formation; 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 240' to the proposed and revised Reeman 4X-HNC-04-06-65.

Distance to nearest wellbore belonging to another operator measured to the Reeman 12-5 (PDC / PA / 05-123-24233) at 271'.

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: _____

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

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval

Total: 0 comment(s)

Attachment List

Att Doc Num	Name
402965549	DEVIATED DRILLING PLAN
402965550	DIRECTIONAL DATA
402965551	OFFSET WELL EVALUATION
402965552	WELL LOCATION PLAT

Total Attach: 4 Files