

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

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
Document Number: 402639448			
Date Received: 04/01/2021			

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 JENNIFER LIND
 Name of Operator: NICKEL ROAD OPERATING LLC Phone: (303) 406-1117
 Address: 1600 STOUT STREET SUITE 1850 Fax: ()
 City: DENVER State: CO Zip: 80202 Email: JENNIFER.LIND@NICKELROADOPERATING.COM

Complete the Attachment Checklist

OP OGCC

API Number : 05- 123 51476 00 OGCC Facility ID Number: 479075
 Well/Facility Name: BLEHM Well/Facility Number: 7X-HNC-10-07-67
 Location QtrQtr: NENE Section: 9 Township: 7N Range: 67W Meridian: 6
 County: WELD Field Name: WATTENBERG
 Federal, Indian or State Lease Number: _____

Survey Plat		
Directional Survey		
Srvc Eqpmt Diagram		
Technical Info Page		
Other		

CHANGE OF LOCATION OR AS BUILT GPS REPORT

- Change of Location * As-Built GPS Location Report As-Built GPS Location Report with Survey

* Well location change requires new plat. A substantive surface location change may require new Form 2A.

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

Latitude 40.594387 GPS Quality Value: 2.1 Type of GPS Quality Value: PDOP Measurement Date: 11/14/2020
 Longitude -104.891201

LOCATION CHANGE (all measurements in Feet)

Well will be: HORIZONTAL (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From** Exterior Section Lines:

Change of **Surface** Footage **To** Exterior Section Lines:

Current **Surface** Location **From** QtrQtr NENE Sec 9

New **Surface** Location **To** QtrQtr NENE Sec 9

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

Current **Top of Productive Zone** Location **From** Sec 9

New **Top of Productive Zone** Location **To** Sec 9

Change of **Bottomhole** Footage **From** Exterior Section Lines:

Change of **Bottomhole** Footage **To** Exterior Section Lines:

Current **Bottomhole** Location Sec 10 Twp 7N

New **Bottomhole** Location Sec 10 Twp 7N

Is location in High Density Area? No

Distance, in feet, to nearest building _____, public road: _____, above ground utility: _____, railroad: _____,
 property line: _____, lease line: _____, well in same formation: 210

Ground Elevation 5088 feet Surface owner consultation date _____

FNL/FSL		FEL/FWL	
<u>572</u>	<u>FNL</u>	<u>714</u>	<u>FEL</u>
<u>572</u>	<u>FNL</u>	<u>714</u>	<u>FEL</u>
Twp <u>7N</u>	Range <u>67W</u>	Meridian <u>6</u>	
Twp <u>7N</u>	Range <u>67W</u>	Meridian <u>6</u>	
<u>1076</u>	<u>FSL</u>	<u>460</u>	<u>FWL</u>
<u>1100</u>	<u>FSL</u>	<u>460</u>	<u>FWL</u> **
Twp <u>7N</u>	Range <u>67W</u>		
Twp <u>7N</u>	Range <u>67W</u>		
<u>1076</u>	<u>FSL</u>	<u>460</u>	<u>FEL</u>
<u>1100</u>	<u>FSL</u>	<u>460</u>	<u>FEL</u> **

** attach deviated drilling plan

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 or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned _____ Has Production Equipment been removed from site? _____

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT _____

SPUD DATE: _____

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 Approximate Start Date 05/01/2021

REPORT OF WORK DONE Date Work Completed _____

- | | | |
|--|---|--|
| <input type="checkbox"/> Intent to Recomplete (Form 2 also required) | <input type="checkbox"/> Request to Vent or Flare | <input type="checkbox"/> E&P Waste Mangement Plan |
| <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"/> Rule 502 variance requested. Must provide detailed info regarding request. | |
| <input type="checkbox"/> Bradenhead Plan | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases | |
| <input type="checkbox"/> Other _____ | | |

COMMENTS:

Please refer to 'CASING & CEMENTING PLAN' tab for updated program information. Updated depths are as follows:
MD @ TPZ: 10,287'
TVD @ TPZ: 7,024'
MD @ BHL: 19,888'
TVD @ BHL: 7,093'

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	1500	415	1500	0
1ST	8+1/2	5+1/2	HCP110	20	0	19888	2570	19888	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	139	139	1001-10000	Other	CSU - Domestic Water Analysis Report - Larry Moore Well - 176559
Groundwater	UPPER PIERRE	300	300	1314	1314	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	1314	1314	4851	4207			
Hydrocarbon	SUSSEX	4851	4207	5544	4556			
Hydrocarbon	SHANNON	5544	4556	5602	4585			
Confining Layer	PIERRE SHALE	5602	4585	9800	6822			
Hydrocarbon	NIOBRARA	9800	6822	19888	7093			Btm MD=TD, Btm TVD=TVD @ BHL

H2S REPORTING

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:

--

Best Management Practices

No BMP/COA Type

Description

--	--	--

Operator Comments:

TPZ & BHL Change of Location in preparation for upcoming drilling occupation scheduled to commence on 5/1/21. There are no changes proposed to the approved SHL, cultural distances, approved lease information or spacing unit designation. 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 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 210' to the proposed Blehm 8X-HNC-10-07-67 - measured in 3D anti-collision. Distance to nearest wellbore belonging to another operator measured at 490' to K&M Co. #1 (Vessels, PA, 05-123-10841) - measured in 2D map view.

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

Signed: _____ Print Name: JENNIFER LIND
 Title: VP REG & ENV Email: JENNIFER.LIND@NICKELROADOPERA Date: 4/1/2021

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

COGCC Approved: McCoy, Diane Date: 4/27/2021

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

COA Type

Description

	<p>This Form 4 makes changes to the approved Form 2 and must be displayed with the Form 2 while drilling.</p> <p>1) Submit Form 42 electronically to COGCC 2 business days prior to MIRU (spud notice) for the first well activity with a rig on the pad and provide 2 business day spud notice via Form 42 for all subsequent wells drilled on the pad. 2) Comply with Rule 408.j. and provide cement coverage from TD to a minimum of 500' above Niobrara. Verify coverage with cement bond log. 3) Oil-based drilling fluid is to be used only after all fresh water aquifers are covered.</p>
--	---

1 COA

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	COAs for bradenhead testing and offset mitigation on Form 2.	04/27/2021

Total: 1 comment(s)

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402639448	SUNDRY NOTICE APPROVED-LOC-DRLG-CSG
402645840	DEVIATED DRILLING PLAN
402645842	WELL LOCATION PLAT
402645844	DIRECTIONAL DATA
402672316	FORM 4 SUBMITTED

Total Attach: 5 Files