

# State of Colorado Oil and Gas Conservation Commission

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|                                      |    |    |    |
|--------------------------------------|----|----|----|
| DE                                   | ET | OE | ES |
| Document Number:<br><b>402639454</b> |    |    |    |
| Date Received:<br><b>04/01/2021</b>  |    |    |    |

## 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 51466 00 OGCC Facility ID Number: 479065  
Well/Facility Name: BLEHM Well/Facility Number: 8X-HNB-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 40.594379 GPS Quality Value: 1.7 Type of GPS Quality Value: PDOP Measurement Date: 11/14/2020  
Longitude -104.891021

### 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: 225

Ground Elevation 5088 feet Surface owner consultation date \_\_\_\_\_

| FNL/FSL       |                  | FEL/FWL           |               |
|---------------|------------------|-------------------|---------------|
| <u>575</u>    | <u>FNL</u>       | <u>664</u>        | <u>FEL</u>    |
| <u>575</u>    | <u>FNL</u>       | <u>664</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>460</u>    | <u>FSL</u>       | <u>460</u>        | <u>FWL</u>    |
| <u>680</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>460</u>    | <u>FSL</u>       | <u>460</u>        | <u>FEL</u>    |
| <u>680</u>    | <u>FSL</u>       | <u>460</u>        | <u>FEL</u> ** |

\*\* attach deviated drilling plan

**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> |
|----------------------------|-----------------------|-----------------------------|---------------------|---------------------------|
|                            |                       |                             |                     |                           |

**OTHER CHANGES**

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

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

From: Name BLEHM Number 8X-HNB-10-07-67 Effective Date: \_\_\_\_\_

To: Name \_\_\_\_\_ Number \_\_\_\_\_

☐ **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 905)

☐ **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 908)

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 CONFIDENTIAL STATUS**

☐ **DIGITAL WELL LOG UPLOAD**

☐ **DOCUMENTS SUBMITTED** Purpose of Submission: \_\_\_\_\_

**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 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: 10,494'  
TVD @ TPZ: 6,942'  
MD @ BHL: 20,097'  
TVD @ BHL: 7,026'

**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                    | 20097                | 2590             | 20097          | 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              | 4862               | 4206                 |                   |                    |   |
| Hydrocarbon      | SUSSEX                   | 4862            | 4206              | 5598               | 4555                 |                   |                    |   |
| Hydrocarbon      | SHANNON                  | 5598            | 4555              | 5660               | 4584                 |                   |                    |   |
| Confining Layer  | PIERRE SHALE             | 5660            | 4584              | 10129              | 6821                 |                   |                    |   |
| Hydrocarbon      | NIOBRARA                 | 10129           | 6821              | 20097              | 7026                 |                   |                    | 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 225' to the proposed Blehm 8X-HNC-10-07-67 - measured in 3D anti-collision. Distance to nearest wellbore belonging to another operator measured at 70' to K&M Co. #1 (Vessels, PA, 05-123-10841). Other operator wells within 175' of the proposed wellbore: K&M Co. #1-10 (Boswell, DA, 05-123-14474) at 80' 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.</p> <p>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.</p> <p>3) Oil-based drilling fluid is to be used only after all fresh water aquifers are covered.</p> |
|--|---|

1 COA

**General Comments**

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

Total: 1 comment(s)

**Attachment List**

| <b><u>Att Doc Num</u></b> | <b><u>Name</u></b>                  |
|---------------------------|-------------------------------------|
| 402639454                 | SUNDRY NOTICE APPROVED-LOC-DRLG-CSG |
| 402645932                 | DEVIATED DRILLING PLAN              |
| 402645933                 | WELL LOCATION PLAT                  |
| 402645934                 | DIRECTIONAL DATA                    |
| 402672479                 | FORM 4 SUBMITTED                    |

Total Attach: 5 Files