

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

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|                                      |    |    |    |
|--------------------------------------|----|----|----|
| DE                                   | ET | OE | ES |
| Document Number:<br><b>402623875</b> |    |    |    |
| Date Received:<br><b>03/10/2021</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 00 OGCC Facility ID Number: 460600  
 Well/Facility Name: DEHAAN SOUTH Well/Facility Number: WELL PAD  
 Location QtrQtr: SWSW Section: 17 Township: 7N Range: 65W Meridian: 6  
 County: WELD Field Name: \_\_\_\_\_  
 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 \_\_\_\_\_ GPS Quality Value: \_\_\_\_\_ Type of GPS Quality Value: \_\_\_\_\_ Measurement Date: \_\_\_\_\_  
 Longitude \_\_\_\_\_

**LOCATION CHANGE (all measurements in Feet)**

Well will be: \_\_\_\_\_ (Vertical, Directional, Horizontal)

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

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

Current **Surface** Location **From** QtrQtr SWSW Sec 17

New **Surface** Location **To** QtrQtr \_\_\_\_\_ Sec \_\_\_\_\_

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 \_\_\_\_\_

New **Top of Productive Zone** Location **To** Sec \_\_\_\_\_

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

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

Current **Bottomhole** Location Sec \_\_\_\_\_ Twp \_\_\_\_\_

New **Bottomhole** Location Sec \_\_\_\_\_ Twp \_\_\_\_\_

Is location in High Density Area? \_\_\_\_\_

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

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

| FNL/FSL                             |  | FEL/FWL                                 |                                  |
|-------------------------------------|--|---|----------------------------------|
| <input type="text" value="1129"/>   | <input type="text" value="FSL"/>       | <input type="text" value="540"/>        | <input type="text" value="FWL"/> |
| <input type="text"/>                | <input type="text"/>                   | <input type="text"/>                    | <input type="text"/>             |
| Twp <input type="text" value="7N"/> | Range <input type="text" value="65W"/> | Meridian <input type="text" value="6"/> |                                  |
| Twp <input type="text"/>            | Range <input type="text"/>             | Meridian <input type="text"/>           |                                  |
| <input type="text"/>                | <input type="text"/>                   | <input type="text"/>                    | <input type="text"/>             |
| <input type="text"/>                | <input type="text"/>                   | <input type="text"/>                    | <input type="text" value="**"/>  |
| Twp <input type="text"/>            | Range <input type="text"/>             |   |                                  |
| Twp <input type="text"/>            | Range <input type="text"/>             |   |                                  |
| <input type="text"/>                | <input type="text"/>                   | <input type="text"/>                    | <input type="text"/>             |
| <input type="text"/>                | <input type="text"/>                   | <input type="text"/>                    | <input type="text" value="**"/>  |
| Twp <input type="text"/>            | Range <input type="text"/>             |   |                                  |
| Twp <input type="text"/>            | Range <input type="text"/>             |   |                                  |

\*\* attach deviated drilling plan

**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 DEHAAN SOUTH Number WELL PAD 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 \_\_\_\_\_

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 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:**

**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**

| <b>No</b> | <b><u>BMP/COA Type</u></b> | <b><u>Description</u></b>  |
|-----------|----------------------------|--|
| 1         | General Housekeeping       | <p><b>CONSTRUCTION</b><br/>Construction will be completed during daylight hours only and therefore do not anticipate nuisance related to lighting during this phase of development.</p> <p><b>DRILLING &amp; COMPLETIONS (TEMPORARY)</b><br/>Drilling rig lights are shrouded in addition to being directed downward and inward toward the mast, away from occupied structures. Drilling rig and completions equipment will be located inside of sound wall perimeter, so sound walls will assist in mitigation of ground level lighting needed during drilling and completion operations.</p> <p>Headlights for drilling and completions related traffic will turn onto the access road coming from the west off of WCR80 and will travel in a northwesterly direction toward the well pad location and southeasterly to exit. Headlights are expected to have minimal impact on nearby building units due to the orientation of the entrance point and access road. Sound walls will block headlights and temporary rig/equipment lighting necessary for safe operations to be completed during the drilling and completions operations.</p> <p><b>PRODUCTION (LONG-TERM)</b><br/>Headlights for production related traffic (mainly oil and produced water trucks) will turn onto the access road coming from the west off of WCR80 and will circle around the tank battery area on the east side of the facilities pad. Headlights will be blocked from view for the building unit to the west by other production equipment and are expected to have minimal impact. If headlights do become an issue, Operator will install permanent fencing, berming or wall structure to assist in blocking such lights.</p> <p>Permanent lighting will not be constructed on the well pad location.</p> |

|   |                  |   |
|---|------------------|---|
| 2 | Dust control     | <p>Operator shall employ practices for control of fugitive dust caused by their operations on all impacted County Roads, the lease access road and the pad location throughout all phases of operations. During the pad construction and the drilling and completions phases of development, Operator will have a water truck on call to water roads as necessary to prevent dust on dirt roads, access road and pad location. Additional practices to be employed as needed include but are not limited to the use of speed restrictions, regular road maintenance, restriction of construction activity during high wind days, and silica dust controls when handling sand used in hydraulic fracturing operations. Additional management practices such as road surfacing, wind breaks and barriers may also be used if warranted.</p> <p>Access road construction and improvements will utilize clean gravel road base which reduces dust potential and plans to construct a vehicle tracking control pad at the access road entrance to further assist with dust control.</p> <p>&gt;Traffic count breakdown:<br/> &gt;Pad construction (complete for this location): 228 trips<br/> &gt;Drilling (typ 3-well occupation): 580 trips<br/> &gt;Completion (typ 3-well occupation): 764 trips<br/> &gt;Production: 24 trips daily (max during peak production months)</p> <p>The topsoil stockpile and cut / fill slopes will be stabilized with mechanical compacting as soon as possible following initial pad grading and will be hydromulched / seeded in the appropriate growing season in accordance with local CSU extension recommendations.</p> <p>Operator will utilize sealed sand containers for transportation and on-site storage of frac sand. Additionally, the sand provider will utilize dust control on hopper and belt transfer systems while moving sand into the blender.</p> <p>In the event standard BMPs are being found to be ineffective (determined through either daily on-site visual inspection or complaint based) on high wind days, additional measures would be employed such as wind breaks or road surfacing.</p> |
| 3 | Noise mitigation | <p>Construction will be completed during daylight hours only and therefore do not anticipate nuisance related to noise during this phase of development.</p> <p>Operator will complete a site-specific sound study and model at this pad location prior to commencement of pad construction activities. 32' sound walls will be installed around the perimeter of the drill pad in accordance with sound study recommendations. Sound walls will be in place prior to the commencement of drilling operations and will remain in place throughout completion activities for each occupation.</p> <p>Drilling rig, completion and production equipment engines will be oriented away from occupied buildings to the maximum extent practicable.</p> <p>Operator plans to utilize 'quiet fleet' for completion operations on this pad.</p>  |

|   |                      |   |
|---|----------------------|---|
| 4 | Emissions mitigation | <p>Air monitoring will be employed for new well operations commencing after May 1, 2021 in accordance with CDPHE AQCC regulation. An Air Monitoring Plan will be furnished to the AQCC for approval a minimum of 60 days prior to the first occupation on this pad.</p> <p>Please note that the action thresholds and exceedance response actions provided below are estimates and are subject to CDPHE approval upon plan submittal at a later date. This is subject to change once the Air Monitoring Plan is processed.</p> <p>Baseline air quality will be established directly prior to commencement of operations since the air monitor is required to be in place at least 10 days prior to commencement of “pre-production operations”. Unless site-specific or plan conditions require, a separate background sample is not planned to be taken.</p> <p>Monitoring for: Total VOC, meteorological data<br/> Action levels &amp; Response: Three alert levels will be configured for the total VOC sensor:<br/> -A reading of 1 ppm (1-minute average) triggers internal investigation as to potential causes of the event<br/> -A reading of 5 ppm over a period of 4 hours triggers operator to be deployed to the site to determine the cause and implement corrective action as necessary<br/> -A reading of 5 ppm over 12 hours triggers extended internal investigation, notification to APCD, COGCC and the Local Government, Proximate Local Government as applicable</p>   |
| 5 | Odor mitigation      | <p>Operator will use Group I OBM. Odors will be managed by using 1) a closed loop OBM system, 2) a closed loop solids control system and 3) cuttings will not be allowed to accumulate on Location. Settling time and resulting odors will be minimized through, at a minimum, daily removal and daily offsite disposal of cuttings at a commercial facility. Should odor complaints persist during active drilling operations, operator will employ drying shakers and screen pulse for cuttings to return the maximum amount of fluid back into the closed-loop mud system rather than settling in the cuttings. Should odor complaints continue further, drilling operations will cease until such time the operator employs odor neutralizing additives to the OBM system and / or switches to an alternative OBM system with lower odor potential. Odor neutralizing additives will be kept on location throughout drilling operations and will be employed in the event odor complaints are received.</p> <p>Drill pipe will be wiped down immediately as it is being tripped out of the hole with a rubber gasket-type device that returns the mud to the closed loop system.</p> <p>Test separators and associated flow lines, sand traps and emission control systems will be installed on-site to accommodate green completions techniques. When commercial quantities of salable quality gas are achieved at each well, the gas will be immediately directed to a sales line or shut in and conserved. If a sales line is unavailable or other conditions prevent placing the gas into a sales line, the Operator will not produce the wells without a prior approved variance.</p> <p>Operator will comply with CDPHE requirements for AIMM / LDAR inspections and leak repairs. This location will be inspected by a 3rd party qualified professional on a monthly basis at minimum once the production phase commences. In addition, Operator plans to install equipment designed specifically to aid in the mitigation of VOC emissions from this location. This equipment includes vapor recovery units (VRUs), O2 oxygen scrubber, emissions control devices (ECDs) and tank loadout controls. If one of these pieces of equipment is not operational, facility automation controls will automatically shut-in the pad until the equipment is back online.</p> |

Total: 5 comment(s)

Operator Comments:

Updated BMP language provided per COGCC request recieved via email on 3/9/2021 - see 'BMP' tab.

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: 3/10/2021

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

COGCC Approved: Christopher, Brian Date: 6/3/2021

**CONDITIONS OF APPROVAL, IF ANY:**

**Condition of Approval**

| <b>COA Type</b> | <b>Description</b> |
|-----------------|--------------------|
| 0 COA           |                    |

**General Comments**

| <b>User Group</b> | <b>Comment</b>  | <b>Comment Date</b> |
|-------------------|---|---------------------|
| OGLA              | Following additional analysis arising, the Director determined that this application meets the standard for the protection of public health, safety, and welfare and the environment, including wildlife resources set by SB 19-181. The OGLA Technical Review Memo (Doc# 1347851) is attached. | 06/03/2021          |
| OGLA              | BMPs updated based on email coorespondence. Traffic count and Weld County Emergency Action Plan attached.   | 06/02/2021          |
| OGLA              | Requested updates to BMPs, a lighting layout drawing, and estimated traffic volumes at the location.  | 05/20/2021          |
| Permit            | A task has been assigned to the Area Oil & Gas Location Specialist to process this form.  | 03/10/2021          |

Total: 4 comment(s)

**Attachment List**

| <b>Att Doc Num</b> | <b>Name</b>                   |
|--------------------|-------------------------------|
| 1347849            | OTHER                         |
| 1347850            | OTHER                         |
| 1347851            | OGLA TECHNICAL REVIEW SUMMARY |
| 402623875          | SUNDRY NOTICE APPROVED        |
| 402707883          | FORM 4 SUBMITTED              |

Total Attach: 5 Files