

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: 401747791 | | | |
| Date Received: 09/04/2018 | | | |

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: 10110 Contact Name Geoff Lee
 Name of Operator: GREAT WESTERN OPERATING COMPANY LLC Phone: (720) 5952155
 Address: 1001 17TH STREET #2000 Fax: ()
 City: DENVER State: CO Zip: 80202 Email: glee@gwogco.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 123 44337 00 OGCC Facility ID Number: 449518
 Well/Facility Name: Ottesen LE Well/Facility Number: 06-330HC
 Location QtrQtr: NWSE Section: 33 Township: 1N Range: 66W 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 40.004325 PDOP Reading 1.5 Date of Measurement 06/30/2016
 Longitude -104.778483 GPS Instrument Operator's Name DALLAS NIELSEN

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 NWSE Sec 33

New **Surface** Location **To** QtrQtr NWSE Sec 33

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 5

New **Top of Productive Zone** Location **To** Sec 5

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

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

Current **Bottomhole** Location Sec 6 Twp 1S

New **Bottomhole** Location Sec 6 Twp 1S

Is location in High Density Area? No

Distance, in feet, to nearest building 1150, public road: 1402, above ground utility: 1231, railroad: 5280,

property line: 1014, lease line: 0, well in same formation: 261

Ground Elevation 5079 feet Surface owner consultation date 11/25/2016

| FNL/FSL | | FEL/FWL | |
|---------------|------------------|-------------------|---------------|
| <u>1410</u> | <u>FSL</u> | <u>1593</u> | <u>FEL</u> |
| <u>1410</u> | <u>FSL</u> | <u>1623</u> | <u>FEL</u> |
| Twp <u>1N</u> | Range <u>66W</u> | Meridian <u>6</u> | |
| Twp <u>1N</u> | Range <u>66W</u> | Meridian <u>6</u> | |
| <u>975</u> | <u>FSL</u> | <u>460</u> | <u>FEL</u> |
| <u>1217</u> | <u>FSL</u> | <u>460</u> | <u>FEL</u> ** |
| Twp <u>1S</u> | Range <u>66W</u> | | |
| Twp <u>1S</u> | Range <u>66W</u> | | |
| <u>980</u> | <u>FSL</u> | <u>2184</u> | <u>FEL</u> |
| <u>1225</u> | <u>FSL</u> | <u>2604</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> |
|----------------------------|-----------------------|-----------------------------|---------------------|---------------------------|
| CODELL | CODL | 407-2614 | 906 | S5:All, S6:E/2 |

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 OTTESEN LE Number 06-330HC Effective Date: 09/07/2018

To: Name Ottesen LE Number 06-311HC

☐ **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 10/01/2018

☐ 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"/> Other _____ | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases | |

COMMENTS:

CASING AND CEMENTING CHANGES

| Casing Type | Size | Of | / | Hole | Size | Of | / | Casing | Wt/Ft | Csg/LinTop | Setting Depth | Sacks of Cement | Cement Bottom | Cement Top |
|----------------|------|----|---|------|------|----|---|--------|-------|------------|---------------|-----------------|---------------|------------|
| Surface String | 13 | 1 | | 2 | 9 | 5 | | 8 | 36 | 0 | 1726 | 718 | 1726 | 0 |
| First String | 8 | 1 | | 2 | 5 | 1 | | 2 | 17 | 0 | 17889 | 1278 | 17889 | |

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:

This well has a bottom hole location beyond the unit boundary setback. The bottom of the completed interval will be within the unit boundary setback at 1225' FSL and 2504' FEL of Section 6. The wellbore beyond the unit boundary setback will be physically isolated and will not be completed.

Distance from completed portion of the wellbore to nearest wellbore permitted or completed in the same formation was measured to the proposed Ottesen LE 06-311HN. This distance is measured in 3D.

UnitDocket # 180900690: is on the September Docket for increased well density and reduced setbacks.

No point of the wellbore is changing more than a QTR/QTR.

Changing well name, SHL, entry point and BHL.

SHL Change: 30'

EP Change: 242'

BHL Change: 485'

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

Signed: _____

Print Name: Geoff Lee

Title: Regulatory Analyst

Email: Regulatorypermitting@gwogco.com

Date: 9/4/2018

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

COGCC Approved: Trask, Sabrina

Date: 10/18/2018

CONDITIONS OF APPROVAL, IF ANY:**COA Type****Description**

| | |
|--|--|
| | Operator will ensure the wellbore beyond the unit boundary setback is physically isolated and is not completed. In the Operator Comments on the Form 5A the operator will (1) report the footages from the section lines of the bottom of the completed interval, (2) describe how the wellbore beyond the unit boundary setback is physically isolated, and (3) certify that none of the wellbore beyond the setback was completed. |
| | <p>This Form 4 makes changes to the approved Form 2 and must be displayed with the Form 2 while drilling.</p> <p>Oil-based drilling fluid is to be used only after all fresh water aquifers are covered.</p> <p>Bradenhead tests shall be performed according to the following schedule and the Form 17 submitted within 10 days of each test:</p> <p>1) Within 60 days of rig release and prior to stimulation and</p> <p>2) If a delayed completion, 6 months after rig release and prior to stimulation.</p> <p>3) Within 30 days after first production, as reported on Form 5A.</p> <p>If a bradenhead test reports a surface casing pressure greater than 200 psig stimulation is not allowed until the Engineering Supervisor has been consulted.</p> |

General Comments**User Group****Comment****Comment Date**

| | | |
|----------|--|------------|
| Permit | Added updated spacing order number. | 10/18/2018 |
| Permit | Status Active - corrected typo in lat/long per operator request. This will correct the BHL issue on the COGIS map. No additional attachments or corrections needed. | 10/05/2018 |
| Permit | Status Pending - contacted operator for revised directional data; wellbore BHL is displaying approximately 100' further west on COGIS map than indicated on form or attached well location plat. | 10/04/2018 |
| Engineer | Cement coverage required (from TD to at minimum 200' above Niobrara) is a COA on the Form 2. Offset mitigation COA on the Form 2. | 09/18/2018 |

Total: 4 comment(s)

Attachment Check List**Att Doc Num****Name**

| | |
|-----------|--|
| 401747791 | SUNDRY NOTICE APPROVED-LOC-OBJ-NAME-DRLG-CSG |
| 401752113 | DIRECTIONAL DATA |
| 401752114 | DEVIATED DRILLING PLAN |
| 401752116 | WELL LOCATION PLAT |
| 401802672 | FORM 4 SUBMITTED |

Total Attach: 5 Files