

**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:<br><b>401520634</b> |    |    |    |
| Date Received:<br><b>01/19/2018</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: 10531 Contact Name Scott Ghan  
 Name of Operator: VANGUARD OPERATING LLC Phone: (970) 876.1959  
 Address: 5847 SAN FELIPE #3000 Fax: ( )  
 City: HOUSTON State: TX Zip: 77057 Email: sghan@vnrenergy.com

Complete the Attachment  
Checklist

OP OGCC

API Number : 05- 045 23532 00 OGCC Facility ID Number: 450782  
 Well/Facility Name: Federal GGU Well/Facility Number: 24B-28-691  
 Location QtrQtr: SWSW Section: 28 Township: 6S Range: 91W Meridian: 6  
 County: GARFIELD Field Name: MAMM CREEK  
 Federal, Indian or State Lease Number: COC-041048

|                     |  |  |
|---------------------|--|--|
| 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 \_\_\_\_\_ PDOP Reading \_\_\_\_\_ Date of Measurement \_\_\_\_\_  
 Longitude \_\_\_\_\_ GPS Instrument Operator's Name \_\_\_\_\_

**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 28

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 28

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 28 Twp 6S

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           |            |
|---------------|------------------|-------------------|------------|
| <u>982</u>    | <u>FSL</u>       | <u>529</u>        | <u>FWL</u> |
| _____         | _____            | _____             | _____      |
| Twp <u>6S</u> | Range <u>91W</u> | Meridian <u>6</u> |            |
| Twp _____     | Range _____      | Meridian _____    |            |
| <u>473</u>    | <u>FSL</u>       | <u>1998</u>       | <u>FWL</u> |
| _____         | _____            | _____             | _____      |
| Twp <u>6S</u> | Range <u>91W</u> |                   |            |
| Twp _____     | Range _____      |                   |            |
| <u>473</u>    | <u>FSL</u>       | <u>1998</u>       | <u>FWL</u> |
| _____         | _____            | _____             | _____      |
| Twp <u>6S</u> | Range <u>91w</u> |                   |            |
| Twp _____     | Range _____      |                   |            |

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\*\* 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 FEDERAL GGU Number 24B-28-691 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 01/29/2018

☐ 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 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 checked="" type="checkbox"/> Other <u>Request to complete</u> | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases          |  |

#### COMMENTS:

Vanguard Operating LLC respectfully requests approval to start completion operations on the Federal GGU 24B-28-691 well on January 29, 2018. Attached please find the CBL, wellbore diagram and temperature survey.

Well: Federal GGU 24B-28-691  
API No.: 05-045-23532  
Temp Survey Run date: 12/14/2017  
TOC from survey: 2508'  
Top of Gas: 5,034'  
Anticipated Top Perf: 5070'

12/14/2017@ 03:30/ 0 PSI BRAIDEN HEAD @ 0 HRS  
12/14/2017@ 07:30/ 0 PSI BRAIDEN HEAD @ 4 HRS\*  
12/14/2017@ 09:30/ 0 PSI BRAIDEN HEAD @ 6 HRS\*  
12/14/2017@ 15:30/ 0 PSI BRAIDEN HEAD @ 12 HRS\*  
12/15/2017@ 03:30/ 0 PSI BRAIDEN HEAD @ 24 HRS\*  
12/16/2017@ 03:30/ 0 PSI BRAIDEN HEAD @ 48 HRS\*  
12/17/2017@ 03:30/ 0 PSI BRAIDEN HEAD @ 72 HRS\*  
FLUID FELL 0" / 0 GAL FLUID NEEDED TO FILL ANNULUS\*

#### 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 |
|-------------|------|----|---|------|------|----|---|--------|-------|------------|---------------|-----------------|---------------|------------|
|             |      |    |   |      |      |    |   |        |       |            |               |                 |               |            |

#### 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:**

|  |
|--|
| <br><br><br><br><br><br><br><br><br><br> |
|--|

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

Signed: \_\_\_\_\_ Print Name: Julie Webb  
Title: Sr. Regulatory Analyst Email: jwebb@progressivepcs.net Date: 1/19/2018

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

COGCC Approved: BURGER, CRAIG Date: 1/23/2018

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

|      |      |
|------|------|
| <br> | <br> |
|------|------|

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

|      |      |                     |
|------|------|---------------------|
| <br> | <br> | Stamp Upon Approval |
|------|------|---------------------|

Total: 0 comment(s)

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

|           |                  |
|-----------|------------------|
| 401520634 | FORM 4 SUBMITTED |
| 401520635 | WELLBORE DIAGRAM |
| 401520639 | PDF-CEMENT BOND  |
| 401520645 | PDF-TEMPERATURE  |
| 401520646 | LAS-TEMPERATURE  |

Total Attach: 5 Files