

**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: <b>401431614</b>			
Date Received: <b>10/26/2017</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 20906 00 OGCC Facility ID Number: 424378  
 Well/Facility Name: FEDERAL Well/Facility Number: 34B-33-691  
 Location QtrQtr: SESW Section: 33 Township: 6S Range: 91W Meridian: 6  
 County: GARFIELD Field Name: MAMM CREEK  
 Federal, Indian or State Lease Number: COC51440

Survey Plat		
Directional Survey		
Srfc 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 39.479322 PDOP Reading 1.8 Date of Measurement 10/09/2017  
 Longitude -107.560089 GPS Instrument Operator's Name J Kirkpatrick

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

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

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

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

Current **Surface** Location **From** QtrQtr SESW Sec 33

New **Surface** Location **To** QtrQtr SESW 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 33

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 33 Twp 6S

New **Bottomhole** Location Sec      Twp     

Is location in High Density Area? No

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

property line: 4371, lease line:     , well in same formation:     

Ground Elevation      feet Surface owner consultation date     

FNL/FSL		FEL/FWL	
<u>666</u>	<u>FSL</u>	<u>2325</u>	<u>FWL</u>
<u>689</u>	<u>FSL</u>	<u>2278</u>	<u>FWL</u>
Twp <u>6S</u>	Range <u>91W</u>	Meridian <u>6</u>	
Twp <u>6S</u>	Range <u>91W</u>	Meridian <u>6</u>	
<u>408</u>	<u>FSL</u>	<u>2036</u>	<u>FEL</u>
<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> **
Twp <u>6S</u>	Range <u>91W</u>		
Twp <u>    </u>	Range <u>    </u>		
<u>408</u>	<u>FSL</u>	<u>2036</u>	<u>FEL</u>
<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> **
Twp <u>6S</u>	Range <u>91W</u>		
Twp <u>    </u>	Range <u>    </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 FEDERAL Number 34B-33-691 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 11/06/2017

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:

SHL move, update to casing and cement. No additional changes made.

**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	12	1		4	8	5		8	32	0	800	420	800	0
First String	7	7		8	4	1		2	11.6	0	7807	870	7807	3163

**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:

<b><u>Best Management Practices</u></b>		
<b><u>No</u></b>	<b><u>BMP/COA Type</u></b>	<b><u>Description</u></b>

**Operator Comments:**

The purpose of this sundry notice is to change the surface hole location and casing program. TPZ/ BHL did not change there for distance to nearest well, and distance to nearest lease did not change.

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: Senior Regulatory Analyst Email: jwebb@progressivepcs.net Date: 10/26/2017

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: 11/9/2017

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type**

**Description**

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**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Engineer	1.Operator shall provide cement coverage from the production casing shoe (4+1/2" FIRST STRING) to a minimum of 500' above the Lower Wasatch (as defined by COGCC in the report "Casing and Cement Standards for Geologic Isolation Piceance Basin Bradenhead Monitoring Area and Nearby Fields," dated April 18, 2016, COGCC Document No. 2056199, Appendix A Field Scout Cards and Annotated Type Logs) to provide isolation of all Mesaverde Group and underlying formations, if penetrated, the Ohio Creek Formation, and the lower portion of the Wasatch Formation. Verify production casing cement coverage with a cement bond log. This requirement shall supersede the top of cement requirements in the Mamm Creek Field Notice to Operators.	11/09/2017
Permit	Multi-well Plan and Construction Layout Drawings submitted on Form 401446941.	11/02/2017

Total: 2 comment(s)

**Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
401431614	SUNDRY NOTICE APPROVED-LOC-DRLG-CSG
401431615	WELL LOCATION PLAT
401438092	DIRECTIONAL DATA
401438094	DEVIATED DRILLING PLAN
401454851	FORM 4 SUBMITTED

Total Attach: 5 Files