

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
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| | | | |
|--------------------------------------|----|----|----|
| DE | ET | OE | ES |
| Document Number: 400738202 | | | |
| Date Received: 11/21/2014 | | | |

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: 10439 Contact Name Andrea Park
 Name of Operator: CARRIZO NIOBRARA LLC Phone: (713) 457-7070
 Address: 500 DALLAS STREET #2300 Fax: ()
 City: HOUSTON State: TX Zip: 77002 Email: andrea.park@crzo.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 123 39443 00 OGCC Facility ID Number: 437194
 Well/Facility Name: HEMBERGER Well/Facility Number: 3-25-8-60
 Location QtrQtr: SWSW Section: 25 Township: 8N Range: 60W Meridian: 6
 County: WELD Field Name: WILDCAT
 Federal, Indian or State Lease Number: _____

| | | |
|---------------------|--|--|
| 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 _____ 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 25

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 25

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 25 Twp 8N

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>357</u> | <u>FSL</u> | <u>852</u> | <u>FWL</u> |
| _____ | _____ | _____ | _____ |
| Twp <u>8N</u> | Range <u>60W</u> | Meridian <u>6</u> | |
| Twp _____ | Range _____ | Meridian _____ | |
| <u>300</u> | <u>FSL</u> | <u>600</u> | <u>FWL</u> |
| _____ | _____ | _____ | _____ |
| Twp <u>8N</u> | Range <u>60W</u> | | |
| Twp _____ | Range _____ | | |
| <u>600</u> | <u>FNL</u> | <u>600</u> | <u>FWL</u> |
| _____ | _____ | _____ | _____ |

**

**

** attach deviated drilling plan

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 09/25/2014

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>Gas analysis</u> | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases | |

COMMENTS:

A complete gas sample analysis is attached.

Gas was flared for 22 days during a 30-day period beginning September 25, 2014. The average flaring volume during this period was 118.18 MCF/D; volumes were measured daily. A pipeline connection was established September 25, 2014 and gas has been flowing to sales. Frequency of flaring will decrease as the flowback and maintenance phase of the well is completed.

There is a presence of H2S; sampling showed 1ppm.

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: 1 in ppm (parts per million) Date of Measurement or Sample Collection 10/20/2014

Description of Sample Point:

The sample was collected at the sales point at Hemberger 3-25-8-60 at 17:10.

Absolute Open Flow Potential 0 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: 5280 FEET

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: 4925 FEET

COMMENTS:

Distances of 5280 feet are more than a mile away.

Best Management Practices

No BMP/COA Type

Description

Operator Comments:

[Empty box for operator comments]

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

Signed: _____ Print Name: Andrea Park
Title: EH&S Analyst Email: andrea.park@crzo.com Date: 11/21/2014

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

COGCC Approved: SUTPHIN, DIRK Date: 3/13/2015

CONDITIONS OF APPROVAL, IF ANY:

| <u>COA Type</u> | <u>Description</u> |
|-----------------|---|
| | 1) The venting or flaring of natural gas shall be conducted in accordance with COGCC Rule 912 for the initial production test period. 2) Notify the local emergency dispatch or the local governmental designee of any natural gas flaring. 3) If flaring will continue more than 6 months, submit updated requests to flare to COGCC on Form 4 (Sundry Notice), which discusses timing to connect to sales line, plans to develop infrastructure, and justification for continued venting/flaring. 4) The operator is required to obtain and maintain any required air permits from CDPHE. 5) The venting or flaring volumes shall be reported by Form 7, Operator's Monthly Report of Operations. |

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|--|--------------------------|
| Environmental | The H2S and gas analysis data ahs been entered into the CO_ENV database. | 11/24/2014 9:12:12 AM |

Total: 1 comment(s)

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|---------------------|
| 400738202 | FORM 4 SUBMITTED |
| 400738430 | GAS ANALYSIS REPORT |

Total Attach: 2 Files