

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

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
Document Number: <u>400506107</u>			
Date Received: <u>11/01/2013</u>			

**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 Cynthia Pinel  
 Name of Operator: CARRIZO NIOBRARA LLC Phone: (713) 358-6210  
 Address: 500 DALLAS STREET #2300 Fax: ( )  
 City: HOUSTON State: TX Zip: 77002 Email: cynthia.pinel@crzo.net

Complete the Attachment  
Checklist

OP OGCC

API Number : 05- 123 38368 00 OGCC Facility ID Number: 434899  
 Well/Facility Name: CASTOR Well/Facility Number: 4-36-9-59  
 Location QtrQtr: NENE Section: 36 Township: 9N Range: 59W Meridian: 6  
 County: WELD Field Name: WILDCAT  
 Federal, Indian or State Lease Number: 9821.8

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 40.713510 PDOP Reading 1.9 Date of Measurement 07/24/2013  
 Longitude -103.918960 GPS Instrument Operator's Name Mark Woodard

**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 NENE Sec 36

New **Surface** Location **To** QtrQtr NENE Sec 36

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 36

New **Top of Productive Zone** Location **To** Sec 36

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

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

Current **Bottomhole** Location Sec 36 Twp 9N

New **Bottomhole** Location Sec 36 Twp 9N

Is location in High Density Area? No

Distance, in feet, to nearest building 5280, public road: 5280, above ground utility: 433, railroad: 5280,

property line: 711, lease line: 0, well in same formation: 650

Ground Elevation 4890 feet Surface owner consultation date \_\_\_\_\_

FNL/FSL		FEL/FWL	
<u>357</u>	<u>FNL</u>	<u>711</u>	<u>FEL</u>
<u>357</u>	<u>FNL</u>	<u>711</u>	<u>FEL</u>
Twp <u>9N</u>	Range <u>59W</u>	Meridian <u>6</u>	
Twp <u>9N</u>	Range <u>59W</u>	Meridian <u>6</u>	
<u>650</u>	<u>FNL</u>	<u>650</u>	<u>FEL</u>
<u>300</u>	<u>FNL</u>	<u>650</u>	<u>FEL</u> **
Twp <u>9N</u>	Range <u>59W</u>		
Twp <u>9N</u>	Range <u>59W</u>		
<u>650</u>	<u>FSL</u>	<u>650</u>	<u>FEL</u>
<u>600</u>	<u>FSL</u>	<u>650</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>
NIOBRARA	NBRR	535-424	640	S. 36:All

**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 CASTOR Number 4-36-9-59 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 11/05/2013

☐ 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:

Changing the top and bottom production zone to 300' FNL to 600' FSL due to hearing #1309-AW-54 being approved on 10/28/2013.

#### 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
Conductor casing	18				16				64	0	70	10	70	60
Surface String	12	1		4	9	5		8	36	0	1400	534	1400	
First String	8	3		4	7				23	0	6567	647	6567	
1ST LINER	6	1		4	4	1		2	11.6	5840	10869			

#### 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:**

Spacing order number has not been issued. Hearing for spacing approved on 10/28/2013 #1309-AW-54. Changing the production zone footage to 300' FNL and 600' FSL due to spacing approval.

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

Signed: \_\_\_\_\_ Print Name: Cynthia Pinel  
Title: Regulatory Comp. Analyst Email: cynthia.pinel@crzo.net Date: 11/1/2013

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

COGCC Approved: BURN, DIANA Date: 11/19/2013

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

	No additional formation(s) will be permitted as a result in total drilling depth.
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**General Comments****User Group****Comment****Comment Date**

Permit	Corrected distances to nearest well and lease line. Added spacing order approved 10/13.	11/6/2013 4:05:14 PM
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Total: 1 comment(s)

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

400506107	FORM 4 SUBMITTED
400506133	WELL LOCATION PLAT
400506134	DEVIATED DRILLING PLAN
400506135	DIRECTIONAL DATA

Total Attach: 4 Files