

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



OGCC RECEPTION

Document Number:

400581604

## EARTHEN PIT REPORT / PERMIT

This form is to be used for both reporting and permitting pits. Rule 903 describes when a Permit with prior approval, or a Report within 30 days is required for pits. Submit required attachments and forms.

Form Type: ☐ PERMIT ☒ REPORT

OGCC PIT NUMBER: 431409

NOTE: Operator to provide OGCC Pit Number only if available on an existing pit for pit report

OGCC Operator Number: 10439 Contact Name: Cynthia Pinel  
 Name of Operator: CARRIZO NIOBRARA LLC  
 Address: 500 DALLAS STREET #2300 Phone: (713) 358-6210  
 City: HOUSTON State: TX Zip: 77002 Email: cynthia.pinel@crzo.net

## Pit Location Information

Operator's Pit/Facility Name: Hemberger Operator's Pit/Facility Number: 26-34-8-60  
 API Number (associated well): 05- 00  
 OGCC Location ID (associated location): 425541 Or Form 2A #  
 Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSE-26-8N-60W-6  
 Latitude: 40.628160 Longitude: -104.056150 County: WELD

## Operation Information

Pit Use/Type (Check all that apply): Pit Type: ☒ Lined ☐ Unlined  
☒ Drilling: (Ancillary, Completion, Flowback, Reserve Pits) ☐ Oil-based Mud; ☐ Salt Sections or High Chloride Mud  
☐ Production: ☐ Skimming/Settling; ☐ Produced Water Storage; ☐ Percolation; ☐ Evaporation  
☐ Special Purpose: ☐ Flare; ☐ Emergency; ☐ Blowdown; ☐ Workover; ☐ Plugging; ☐ BS&W/Tank Bottoms  
☒ Multi-Well Pit: Construction Date: 05/10/2014 Actual or Planned: Planned  
 Method of treatment prior to discharge into pit:  
 Offsite disposal of pit contents: ☐ Injection; ☐ Commercial; ☒ Reuse/Recycle; ☐ NPDES; Permit Number:  
 Other Information: FRESHWATER STORAGE ONLY

## Site Conditions

Distance (in feet) to the nearest surface water: 1030 Ground Water (depth): 63 Water Well: 4094  
 Is this location in a Sensitive Area? No Existing Location? Yes

## Pit Design and Construction

Size of Pit (in feet): Length: 335 Width: 477 Depth: 14 Calculated Working Volume (in barrels): 32900  
 0  
 Flow Rates (in bbl/day): Inflow: 9000 Outflow: Evaporation: Percolation:  
 Primary Liner Type: LLHDPE Thickness (mil): 30  
 Secondary Liner (if present): Type: Thickness (mil):  
 Is Pit Fenced? Yes Is Pit Netted? Yes Leak Detection? No  
 Other Information: NO LEAK DETECTION BUT WILL BE DOUBLE WELDED AND AIR TESTED.

Operator Comments: Existing pit to be enlarged for additional well that will be drilled in Section 26

## Certification

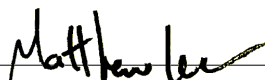
I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: Print Name: Cynthia Pinel

Title: Regulatory Comp. Analyst Email: cynthia.pinel@crzo.net Date: 04/01/2014

**Approval**

Signed: \_\_\_\_\_



Title: \_\_\_\_\_

Director of Cogcc

Date: \_\_\_\_\_

05/12/2014

**Best Management Practices**

<b><u>No</u></b>	<b><u>BMP/COA Type</u></b>	<b><u>Description</u></b>
1	Planning	The COGCC to be notified 48 hours prior to construction of the Freshwater Storage Pit.
2	Pre-Construction	Operator has designed the well pad with insloping and a sotrm water control ditch to prevent storm water run-on/run-off/ and the release of fluids from the lcoation. See attached Construction Layout Drawing.
3	Material Handling and Spill Prevention	Operator will implement best management practices to contain any unintentional release of fluids. Freshwater for the Freshwater Storage Pit comes from water provider; water sources. Permitted for consumable industrial use Operator shall not allow any fluids to flow back ot the Freshwater Storage Pit/Pond. Freshwater Storage Pit shall contain freshwater only and signage prohibiting the use of the pit for any fluid that does not come from municipal, irrigation or surface water source.
4	Drilling/Completion Operations	The location will be fenced and fenced area will include the Freshwater Storage Pit. This pit is an existin pit in relation to existing location 425541 but in addition will be used for the Hemberger 4-26-8-60 PAD that is currently in the permitting process. Freshwater Storage Pit will be screened off.

Total: 4 comment(s)

**CONDITIONS OF APPROVAL:****COA Type****Description**

--	--