

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:
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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

ATTACHMENTS

Detailed Site Plan	
Design/Cross Sec	
Topo Map	
Calculations	
Sensitive Area Info	
Mud Program	
Form 2A	
Form 26	
Water Analysis	

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

No	<u>BMP/COA Type</u>	<u>Description</u>
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:

<u>COA Type</u>	<u>Description</u>