

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:
400633095

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: 438331

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

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

ATTACHMENTS

Detailed Site Plan	<input type="checkbox"/>
Design/Cross Sec	<input type="checkbox"/>
Topo Map	<input type="checkbox"/>
Calculations	<input type="checkbox"/>
Sensitive Area Info	<input type="checkbox"/>
Mud Program	<input type="checkbox"/>
Form 2A	<input type="checkbox"/>
Form 26	<input type="checkbox"/>
Water Analysis	<input type="checkbox"/>

Pit Location Information

Operator's Pit/Facility Name: <u>Shull</u>	Operator's Pit/Facility Number: <u>1-35-9-60</u>
API Number (associated well): <u>05-00</u>	
OGCC Location ID (associated location): <u>432694</u>	Or Form 2A # _____
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>NENE-35-9N-60W-6</u>	
Latitude: <u>40.713140</u>	Longitude: <u>-104.054300</u> County: <u>WELD</u>

Operation Information

Pit Use/Type (Check all that apply):	Pit Type: <input checked="" type="checkbox"/> Lined <input type="checkbox"/> Unlined
<input checked="" type="checkbox"/> Drilling: (Ancillary, Completion, Flowback, Reserve Pits)	<input type="checkbox"/> Oil-based Mud; <input type="checkbox"/> Salt Sections or High Chloride Mud
<input type="checkbox"/> Production:	<input type="checkbox"/> Skimming/Settling; <input type="checkbox"/> Produced Water Storage; <input type="checkbox"/> Percolation; <input type="checkbox"/> Evaporation
<input type="checkbox"/> Special Purpose:	<input type="checkbox"/> Flare; <input type="checkbox"/> Emergency; <input type="checkbox"/> Blowdown; <input type="checkbox"/> Workover; <input type="checkbox"/> Plugging; <input type="checkbox"/> BS&W/Tank Bottoms
<input checked="" type="checkbox"/> Multi-Well Pit:	Construction Date: <u>11/01/2014</u> Actual or Planned: <u>Planned</u>
Method of treatment prior to discharge into pit: _____	
Offsite disposal of pit contents:	<input type="checkbox"/> Injection; <input type="checkbox"/> Commercial; <input checked="" type="checkbox"/> Reuse/Recycle; <input type="checkbox"/> NPDES; Permit Number: _____
Other Information:	<u>FRESHWATER STORAGE PIT ONLY</u>

Site Conditions

Distance (in feet) to the nearest surface water: <u>320</u>	Ground Water (depth): <u>16</u>	Water Well: <u>1620</u>
Is this location in a Sensitive Area? <u>Yes</u>	Existing Location? _____	

Pit Design and Construction

Size of Pit (in feet):	Length: <u>400</u> Width: <u>400</u> Depth: <u>12</u>	Calculated Working Volume (in barrels): <u>274000</u>
Flow Rates (in bbl/day):	Inflow: <u>36000</u> Outflow: _____	Evaporation: _____ Percolation: _____
Primary Liner. Type: <u>LLHDPE</u>	Thickness (mil): <u>30</u>	
Secondary Liner (if present):	Type: _____ Thickness (mil): _____	
Is Pit Fenced? <u>Yes</u>	Is Pit Netted? <u>Yes</u>	Leak Detection? <u>No</u>
Other Information:	<u>NO LEAK DETECTION BUT WILL BE DOUBLE WELDED AND AIR TESTED.</u>	

Operator Comments: _____

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: 06/30/2014

Approval

Signed: _____



Title: _____

Director of Cogcc

Date: _____

07/30/2014

Best Management Practices

No	BMP/COA Type	Description
1	Planning	The COGCC to be notified 48 hours prior to construction of the Freshwater Storage Pit.
2	Storm Water/Erosion Control	Operator has designed the well pad with insloping and a storm water control ditch to prevent storm water run-on/run-off and the release of fluids from the location. 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 to 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. Freshwater Storage Pit will be screened off.

Total: 4 comment(s)

CONDITIONS OF APPROVAL:

COA Type	Description