

**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:
400549850

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: _____

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	
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: <u>Bringelson Ranch</u>	Operator's Pit/Facility Number: <u>1-20-9-58</u>
API Number (associated well): <u>05- 123 33689 00</u>	
OGCC Location ID (associated location): <u>423722</u>	Or Form 2A # _____
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>SWNW-20-9N-58W-6</u>	
Latitude: <u>40.739580</u>	Longitude: <u>-103.895170</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>03/10/2014</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 ONLY</u>

Site Conditions

Distance (in feet) to the nearest surface water: <u>4750</u>	Ground Water (depth): <u>402</u>	Water Well: <u>155</u>
Is this location in a Sensitive Area? <u>No</u>	Existing Location? _____	

Pit Design and Construction

Size of Pit (in feet):	Length: <u>320</u> Width: <u>400</u> Depth: <u>12</u>	Calculated Working Volume (in barrels): <u>365</u>
Flow Rates (in bbl/day):	Inflow: <u>15360</u> Outflow: _____	Evaporation: _____ Percolation: _____
Primary Liner. Type: <u>LLHDPE</u>	Thickness (mil): <u>30</u>	
Secondday 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: _____

Approval

Signed: _____

Title: _____ Director of Cogcc _____

Date: _____

Best Management Practices

No	BMP/COA Type	Description
1	Planning	The COGCC to be notified 48 hours prior to construction for the Freshwater Storage Pit.
2	Pre-Construction	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 ensure 110 percent secondary containment for any volume of fluids contained at the well site during drilling and completion. 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. This pit will be built next to existing freshwater pit on the Bringelson Ranch 20-11-9-58 pad. Access to this pit will be utilized via the existing road from the before mentioned pad. The Freshwater Storage Pit will be screened off.

Total: 4 comment(s)

CONDITIONS OF APPROVAL:

COA Type	Description