

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:
400465671

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: _____ 10439	Contact Name: Carol Pruitt
Name of Operator: CARRIZO NIOBRARA LLC	
Address: 500 DALLAS STREET #2300	Phone: (713) 828-1000
City: HOUSTON State: TX Zip: 77002	Email: carol.pruitt@crzo.net

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: Konig	Operator's Pit/Facility Number: _____
API Number (associated well): 05- _____	
OGCC Location ID (associated location): _____	Or Form 2A # 400440261
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): LOT 4-31-11N-59W-6	
Latitude: 40.873000	Longitude: -104.028160 County: WELD

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: 09/20/2013 Actual or Planned: Planned
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:	Freshwater Storage Pit Only.

Site Conditions

Distance (in feet) to the nearest surface water: 1885	Ground Water (depth): 153	Water Well: 3050
Is this location in a Sensitive Area? No	Existing Location? _____	

Pit Design and Construction

Size of Pit (in feet):	Length: 300 Width: 315 Depth: 12	Calculated Working Volume (in barrels): 15070 0
Flow Rates (in bbl/day):	Inflow: 0 Outflow: _____ Evaporation: _____ Percolation: _____	
Primary Liner. Type:	PPL Thickness (mil): 24	
Secondary Liner (if present):	Type: _____ Thickness (mil): _____	
Is Pit Fenced? Yes	Is Pit Netted? No	Leak Detection? No
Other Information: _____		

Operator Comments:	_____
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Certification

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

Signed: _____ Print Name: Carol Pruitt
Title: Regulatory Compliance Email: Carol.Pruitt@crzo.net Date: _____

Approval

Signed: _____

Title: _____ Director of Cogcc _____

Date: _____

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 Fresh Water Storage Pit. A Form 15 Pit Report will be submitted within 30 days of construction of the Fresh Water 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/runoff 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 wellsite during drilling and completion. Operator will implement best management practices to contain any unintentional release of fluids.
4	Material Handling and Spill Prevention	Fresh water for the Fresh Water Storage Pit comes from water provider; water sources permitted for consumable industrial use. Operator shall not allow any fluids to flow back to the Fresh Water Storage Pit/Pond. Fresh Water Storage Pit shall contain fresh water only and signage prohibiting the use of the pit for any fluid that does not come from municipal, irrigation or surface water source.
5	Drilling/Completion Operations	The location will be fenced and fenced area will include the Fresh Water Storage Pit. Portions of the access road will cross highly erodible soil. The road will be built to the minimal width required and ditch vegetation will be established to prevent erosion. Production equipment will be painted with consideration to environmental colors to reduce visual contrast with the surrounding environment. Gas engines will be equipped with mufflers to reduce noise. The fresh water storage pit will be screened to reduce visibility.

Total: 5 comment(s)

CONDITIONS OF APPROVAL:

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