

FORM
15Rev
10/11State 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:

400684058

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: 439484

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: O'Hare

Operator's Pit/Facility Number: 1-29-11-57

API Number (associated well): 05- 00

OGCC Location ID (associated location): 439302

Or Form 2A # 400688480

Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSW-29-11N-57W-6

Latitude: 40.893350

Longitude: -103.780740

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: 10/06/2014 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 PIT ONLY

Site Conditions

Distance (in feet) to the nearest surface water: 336

Ground Water (depth): 33

Water Well: 3185

Is this location in a Sensitive Area? Yes

Existing Location?

Pit Design and Construction

Size of Pit (in feet): Length: 400 Width: 620 Depth: 14 Calculated Working Volume (in barrels): 49999
6

Flow Rates (in bbl/day): Inflow: 36000 Outflow: Evaporation: Percolation:

Primary Liner. Type: LLDPE Thickness (mil): 40

Secondary Liner (if present): Type: Thickness (mil):

Is Pit Fenced? Yes Is Pit Netted? No Leak Detection? No

Other Information: NO LEAK DETECTION BUT WILL BE DOUBLE WELDED AND AIR TESTED

Operator
Comments:

Certification

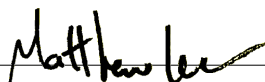
I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: Print Name: Cynthia Pinel

Title: Regulatory Comp. Analyst Email: cynthia.pinel@crzo.net Date: 09/15/2014

Approval

Signed: _____



Title: _____

Director of COGCC

Date: _____

10/28/2014

Best Management Practices

<u>No</u>	<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	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 water source to be posted.
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:

<u>COA Type</u>	<u>Description</u>
	Operators shall submit a Colorado P.E. approved/stamped as-built drawing of the pit within 21 days of construction completion certifying the volume of the pit, and the available freeboard.
	No portion of this pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a Professional Engineer (P.E.), The construction and lining of the pit shall be supervised by a P.E., or their agent. The entire base of the pit must be in cut.