

State of Colorado Energy & Carbon Management Commission



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EARTHEN PIT REPORT / PERMIT

This form is to be used for both reporting and permitting pits. Rule 908 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 [X] REPORT OGCC PIT NUMBER: 116322

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

OGCC Operator Number: 10017 Contact Name: Matt Nelson
Name of Operator: CHACO ENERGY COMPANY
Address: P O BOX 1587 Phone: (303) 981-3840
City: DENVER State: CO Zip: 80201 Email: matt@chacoenergy.com

Pit Location Information

Operator's Pit/Facility Name: SOME STATE Operator's Pit/Facility Number: Pit #1
API Number (associated well): 05- 075 60004 00
OGCC Location ID (associated location): 221209 Or Form 2A #
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): SESE-17-7N-51W-6
Latitude: 40.571127 Longitude: -103.106721 County: LOGAN

Operation Information

Construction Date: 11/01/1971 Actual or Planned: Actual Pit Type: Unlined
Per rule 405.c: Operators will provide the Commission written notice 2 business days in advance of a Pit liner installation at any facility.
Pit Use/Type (Check all that apply):
[ ] Drilling: (Ancillary, Completion, Flowback, Reserve Pits) [ ] Oil-based Mud [ ] Salt Sections or High Chloride Mud
[X] Production: [ ] Skimming/Settling [ ] Produced Water Storage [X] Percolation [X] Evaporation
[ ] Special Purpose: [ ] Flare [ ] Blowdown [ ] BS&W/Tank Bottoms
[ ] Multi-Well Pit: [ ] Check if Rule 909.g.(1-4) applies.
[ ] Cuttings Trench
[ ] Form 15 Exception Pit Submitted within 30 Days after Constructing (908.c): [ ] Emergency [ ] Workover [ ] Plugging
Method of treatment prior to discharge into pit: Treater & Gravity
Offsite disposal of pit contents: [ ] Injection; [ ] Commercial; [ ] Reuse/Recycle; [ ] NPDES; Permit Number:
Other Information:

Site Conditions

Enter 5280 for distance greater than 1 mile.
Distance (in feet) to the nearest surface water: 5280 Ground Water (depth): 64 Water Well: 5280
Distance (in feet) to nearest Building Unit: 5280
Distance (in feet) to nearest Designated Outside Activity Area: 5280

Pit Design and Construction

Size of Pit (in feet): Length: 140 Width: 200 Depth: 5 Calculated Working Volume (in barrels): 25000  
 Flow Rates (in bbl/day): Inflow: 150 Outflow: 0 Evaporation: 54 Percolation: 80  
 Primary Liner. Type: None Thickness (mil): 0  
 Operational Lifespan, per manufacturer's specs (years): 0  
 Secondary Liner (if present): Type: None Thickness (mil): 0  
 Operational Lifespan, per manufacturer's specs (years): 0

**Pit Emissions**

Estimated tons per year (tpy) of volatile organic compounds (VOCs): Attach Pit Emission Calculations. 0

Other Information: Calculations based on tank emission calculations since no standard pit emission calculation method has been approved.

Operator Comments: This Form 15 is being submitted to correct the coordinates for Facility ID #116322.

**Certification**

Rule 909.e.(3): If an Operator allows oil or condensate (free product or sheen) to accumulate in a Pit, then the Director may revoke the Operator's Form 15 and require the Operator to close and remediate the Pit.

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

Signed: \_\_\_\_\_ Print Name: Matt Nelson  
 Title: Operations Manager Email: matt@chacoenergy.com Date: \_\_\_\_\_

**Approval**

Signed: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

## Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
	General Housekeeping	Chaco will maintain a Produced Water Pit Integrity Management Program as follows: <ul style="list-style-type: none"> <li>• Pits will be examined during Monthly/Bi-Monthly AVOs</li> <li>• Pit perimeter will be inspected weekly to identify potential failure points including; erosion, wildlife burrowing and general areas of potential failure. If identified, these areas will be repaired in a timely manner.</li> <li>• A minimum of two feet of freeboard will be kept in produced water pits at all times.</li> <li>• No hydrocarbons are to be present in pit at any time.</li> <li>o If discovered, hydrocarbons are to be removed within 24 hours, if possible</li> <li>• All produced water pits are to be fenced. Fences will be inspected during weekly integrity inspections.</li> <li>• If this integrity management program indicates an integrity failure the cause will be investigated, repaired, and reported per ECMC requirements.</li> </ul>

Total: 1 comment(s)

**CONDITIONS OF APPROVAL:**

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

### Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403563139	OTHER
403563141	CALCULATIONS
403563142	PIT EMISSION CALCULATIONS
403563143	DETAILED SITE PLAN
403563144	WATER ANALYSIS
403563145	TOPOGRAPHIC MAP
403563147	TOPOGRAPHIC MAP

Total Attach: 7 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)