

State of Colorado
Energy & Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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403419758
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06/21/2023

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** ☒ **REPORT**

OGCC PIT NUMBER: 486303

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

OGCC Operator Number: <u>11001</u>	Contact Name: <u>Mark Brown</u>
Name of Operator: <u>BROWN OIL & GAS LLC</u>	
Address: <u>10481 COUNTY ROAD 20.5</u>	Phone: <u>(970) 522-1072</u>
City: <u>STERLING</u> State: <u>CO</u> Zip: <u>80751</u>	Email: <u>brown_oil_and_gas@hotmail.com</u>

Pit Location Information

Operator's Pit/Facility Name: _____	State: _____	Operator's Pit/Facility Number: <u>1</u>
API Number (associated well): <u>05- 075 08471 00</u>		
OGCC Location ID (associated location): <u>389830</u>		Or Form 2A # _____
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>NESW-36-11N-54W-6</u>		
Latitude: <u>40.881820</u>	Longitude: <u>-103.357610</u>	County: <u>LOGAN</u>

Operation Information

Construction Date: _____		Actual or Planned: <u>Actual</u>	Pit Type: <u>Unlined</u>
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):			
<input type="checkbox"/> Drilling: (Ancillary, Completion, Flowback, Reserve Pits)	<input type="checkbox"/> Oil-based Mud	<input type="checkbox"/> Salt Sections or High Chloride Mud	
<input checked="" type="checkbox"/> Production:	<input type="checkbox"/> Skimming/Settling	<input checked="" type="checkbox"/> Produced Water Storage	<input checked="" type="checkbox"/> Percolation <input type="checkbox"/> Evaporation
<input type="checkbox"/> Special Purpose:	<input type="checkbox"/> Flare	<input type="checkbox"/> Blowdown	<input type="checkbox"/> BS&W/Tank Bottoms
<input type="checkbox"/> Multi-Well Pit:	<input type="checkbox"/> Check if Rule 909.g.(1-4) applies.		
<input type="checkbox"/> Cuttings Trench			
<input type="checkbox"/> Form 15 Exception Pit Submitted within 30 Days after Constructing (908.c):	<input type="checkbox"/> Emergency	<input type="checkbox"/> Workover	<input type="checkbox"/> Plugging
Method of treatment prior to discharge into pit: <u>Vertical Separator, Skim Tank</u>			
Offsite disposal of <input type="checkbox"/> Injection; <input type="checkbox"/> Commercial; <input type="checkbox"/> Reuse/Recycle; <input type="checkbox"/> NPDES; Permit Number: _____			
pit contents:			
Other Information: <div style="border: 1px solid black; height: 20px; width: 100%; margin-top: 5px;"></div>			

Site Conditions

Enter 5280 for distance greater than 1 mile.			
Distance (in feet) to the nearest surface water: <u>5280</u>	Ground Water (depth): <u>60</u>	Water Well: <u>5280</u>	
Distance (in feet) to nearest Building Unit: <u>5280</u>			
Distance (in feet) to nearest Designated Outside Activity Area: <u>5280</u>			

Pit Design and Construction

Size of Pit (in feet): Length: 36 Width: 26 Depth: 8 Calculated Working Volume (in barrels): 1334
Flow Rates (in bbl/day): Inflow: 2 Outflow: 0 Evaporation: 0 Percolation: 2
Primary Liner. Type: None Thickness (mil): 0
Operational Lifespan, per manufacturer's specs (years): 0
Secondary Liner (if present): Type: na Thickness (mil): 0
Operational Lifespan, per manufacturer's specs (years): 0
Is Pit Fenced? Yes Is Pit Netted? No Leak Detection? No

Pit Emissions

Attach Pit Emission Calculations.

Estimated tons per year (tpy) of volatile organic compounds (VOCs): 0 (Round to nearest whole ton.)

Other Information:

Operator does not have sufficient guidance for Pit Emissions Calculations.

Operator Comments: An initial permit was submitted in 2009 by the previous operator (Single Tree Resources, Inc.; Operator #10245). Brown O&G acquired the facility in June 2013.

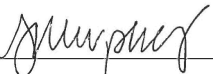
Certification

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: Mark Brown
Title: President Email: brown_oil_and_gas@hotmail.com Date: 06/21/2023

Approval

Signed:  Title: Director of COGCC Date: 03/21/2024

Best Management Practices

<u>No BMP/COA Type</u>	<u>Description</u>
CONDITIONS OF APPROVAL:	
<u>COA Type</u>	<u>Description</u>
	Operator will provide pit emissions estimates on a Form 15 - Pit Report within 60 days of this Pit Report.
	Operator will submit sample results in accordance with Rule 909.j within 60 days of approval of this Pit Report.
	This Pit Report is approved to document the operating pit which was constructed and put into service in 2009 by a predecessor operator and to establish a Facility ID number. ECMC did not evaluate the potential for environmental impacts from the past and future operations of this pit.
3 COAs	

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403419758	PIT PERMIT SUBMITTED

403440977	OTHER	
Total Attach: 2 Files		
<u>General Comments</u>		
<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	3/21/24: ECMC Updated from Pit Permit to Pit Report for a non-existent (in COGIS) pit based on operator's 3/20/24 email.	03/21/2024
Environmental	This pit has been in operation since approximately 2009, with an unapproved permit submitted by predecessor operator. The operation of this pit is not in compliance with the rules at the time or the current rules.	03/13/2024
Environmental	Operator states "Operator does not have sufficient guidance for Pit Emissions Calculations." but there is guidance available from the Pit Emissions Workgroup on ECMC Website: https://ecmc.state.co.us/documents/library/Special_Projects/Pit_Emissions_Workgroup_Recommendations.pdf	03/13/2024
Environmental	Operator pit number provided is the COGIS facility ID for the well. 3/21/24: ECMC Updated based on operator's 3/20/24 email.	03/12/2024
Environmental	Lat/lon provided matches the well location not the pit location. 3/21/24: ECMC Updated based on operator's 3/20/24 email.	03/12/2024
Environmental	Insufficient water quality was submitted with this pit report (a single sample from 2009) to evaluate the pit permit.	03/12/2024
Total: 6 comment(s)		