

**State of Colorado**  
**Oil and Gas Conservation Commission**

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



**Document Number:**  
**403316731**  
**Date Received:**  
**02/09/2023**

**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: 285196

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

OGCC Operator Number: <u>10705</u>	Contact Name: <u>Logan Smith</u>
Name of Operator: <u>EVERGREEN NATURAL RESOURCES LLC</u>	
Address: <u>1875 LAWRENCE ST STE 1150</u>	Phone: <u>(720) 4673042</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>Logan.Smith@enrllc.com</u>

**Pit Location Information**

Operator's Pit/Facility Name: <u>CARDINAL</u>	Operator's Pit/Facility Number: <u>31-1</u>
API Number (associated well): <u>05- 071 08586 00</u>	
OGCC Location ID (associated location): <u>280742</u>	Or Form 2A # <u></u>
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>NWNE-1-32S-66W-6</u>	
Latitude: <u>37.291240</u>	Longitude: <u>-104.728370</u> County: <u>LAS ANIMAS</u>

**Operation Information**

Construction Date: <u>08/29/2005</u>	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.		
<b>Pit Use/Type (Check all that apply):</b>		
<input type="checkbox"/> <b>Drilling: (Ancillary, Completion, Flowback, Reserve Pits)</b>	<input type="checkbox"/> Oil-based Mud	<input type="checkbox"/> Salt Sections or High Chloride Mud
<input checked="" type="checkbox"/> <b>Production:</b>	<input type="checkbox"/> Skimming/Settling	<input type="checkbox"/> Produced Water Storage
<input type="checkbox"/> <b>Special Purpose:</b>	<input type="checkbox"/> Flare	<input type="checkbox"/> Blowdown
<input type="checkbox"/> <b>Multi-Well Pit:</b>	<input type="checkbox"/> Check if Rule 909.g.(1-4) applies.	<input type="checkbox"/> BS&W/Tank Bottoms
<input type="checkbox"/> <b>Cuttings Trench</b>		
<input type="checkbox"/> <b>Form 15 Exception Pit Submitted within 30 Days after Constructing (908.c):</b>	<input type="checkbox"/> Emergency	<input type="checkbox"/> Workover <input type="checkbox"/> Plugging
Method of treatment prior to discharge into pit: <u>Separator</u>		
Offsite disposal of <input type="checkbox"/> Injection; <input type="checkbox"/> Commercial; <input type="checkbox"/> Reuse/Recycle; <input type="checkbox"/> NPDES; Permit Number: <u></u>		
pit contents:		
Other Information:		
<p>This Form 15 pit report has been submitted to update the latitude and longitude, Operation Information and Conditions/Design &amp; Construction of the pit as specified in Rule 909.a.(2) and to comply with COAs placed on Form 4 Document #403195063 . The Cardinal 31-01 well is not currently producing water, and therefore, information supplied is based off of producing operating conditions. This production pit is a converted drilling/mud pit.</p>		

**Site Conditions**

Enter 5280 for distance greater than 1 mile.		
Distance (in feet) to the nearest surface water: <u>742</u>	Ground Water (depth): <u>150</u>	Water Well: <u>2512</u>
Distance (in feet) to nearest Building Unit: <u>1559</u>		
Distance (in feet) to nearest Designated Outside Activity Area: <u>5280</u>		

**Pit Design and Construction**

Size of Pit (in feet): Length: 51 Width: 31 Depth: 6 Calculated Working Volume (in barrels): 1689  
Flow Rates (in bbl/day): Inflow: 24 Outflow: 0 Evaporation: 3 Percolation: 115  
Primary Liner. Type: na Thickness (mil): 0  
Operational Lifespan, per manufacturer's specs (years): 0  
Seconday Liner (if present): Type: na Thickness (mil): 0  
Operational Lifespan, per manufacturer's specs (years): 0  
Is Pit Fenced? No 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:

Based on the 909J sample for wells surrounding the Cardinal 31-01, which are producing from the same CBM formations, results show there are no detectable levels of Benzene, Toluene, Ethylbenzene, Xylenes (BTEX), Total Petroleum Hydrocarbons (TPH), Arsenic, Radium, or Volatile Organic Compounds (VOC's) above the RBSL standards in the water. With no organic compounds in the produced water which may be discharged into pit ID#285196, there is no potential for volatile organic compounds (VOCs) emissions.

Operator  
Comments:

**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: Logan Smith  
Title: Production Tech Email: Logan.Smith@enrllc.com Date: 02/09/2023

**Approval**

Signed:  Title: Director of COGCC Date: 02/23/2023

## Best Management Practices

**No BMP/COA Type**

**Description**

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CONDITIONS OF APPROVAL:

**COA Type**

**Description**

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0 COA

## Attachment List

**Att Doc Num**

**Name**

403316731	PIT REPORT SUBMITTED
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Total Attach: 1 Files

## General Comments

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)