

**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:**  
**401566644**

**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: 463009

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

OGCC Operator Number: <u>95960</u>	Contact Name: <u>Tammy Fredrickson</u>
Name of Operator: <u>WEXPRO COMPANY</u>	
Address: <u>P O BOX 45003</u>	Phone: <u>(307) 352-7514</u>
City: <u>SALT LAKE CITY</u> State: <u>UT</u> Zip: <u>84145-0601</u>	Email: <u>Tammy.Fredrickson@dominionenergy.com</u>

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: <u>PWEP Evaporation Pit</u>	Operator's Pit/Facility Number: _____
API Number (associated well): <u>05- _____ 00</u>	
OGCC Location ID (associated location): _____	Or Form 2A # <u>401520294</u>
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>NWNW-4-11N-97W-6</u>	
Latitude: <u>40.946683</u>	Longitude: <u>-108.301703</u> County: <u>MOFFAT</u>

**Operation Information**

Pit Use/Type (Check all that apply):	Pit Type: <input checked="" type="checkbox"/> <b>Lined</b> <input type="checkbox"/> <b>Unlined</b>
<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 type="checkbox"/> Produced Water Storage; <input type="checkbox"/> Percolation; <input checked="" 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 type="checkbox"/> Multi-Well Pit:	Construction Date: _____      Actual or Planned: _____
Method of treatment prior to discharge into pit: <u>Separation at well facility</u>	
Offsite disposal of pit contents:	<input type="checkbox"/> Injection; <input checked="" type="checkbox"/> Commercial; <input type="checkbox"/> Reuse/Recycle; <input type="checkbox"/> NPDES;    Permit Number: _____
Other Information:	<u>Skim tank and skim pit upstream of evaporation pit at Centralized E&amp;P Waste Management Facility.</u>

**Site Conditions**

Distance (in feet) to the nearest surface water: <u>0</u>	Ground Water (depth): <u>72</u>	Water Well: <u>1852</u>
Is this location in a Sensitive Area? <u>Yes</u>	Existing Location? _____	

**Pit Design and Construction**

Size of Pit (in feet):	Length: <u>300</u> Width: <u>300</u> Depth: <u>16</u>	Calculated Working Volume (in barrels): <u>150014</u>
Flow Rates (in bbl/day):	Inflow: <u>173</u> Outflow: _____	Evaporation: <u>173</u> Percolation: _____
Primary Liner. Type: <u>HDPE</u>	Thickness (mil): <u>60</u>	
Secondary Liner (if present): Type: <u>HDPE</u>	Thickness (mil): <u>60</u>	
Is Pit Fenced? <u>Yes</u>	Is Pit Netted? <u>No</u>	Leak Detection? <u>Yes</u>
Other Information:	<u>Pit will be lined with a 4 part HDPE liner system, which will also include a leak detection system. Liner will consist of a 60 mil HDPE primary liner, 200 mil GSE Hypernet Geonet or approved equal. Secondary liner is 60 mil HDPE. Geotextile fabric or bedding material will be placed under bottom liner. Two observation sumps will be installed. Wexpro is seeking approval to utilize a Bird Avert System in place of a net.</u>	

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: Tammy Fredrickson  
 Title: Senior Permit Agent Email: Tammy.Fredrickson@dominioenergy.com Date: 03/20/2018

**Approval**

Signed:  Title: Director of COGCC Date: 03/05/2019

### Best Management Practices

No	<u>BMP/COA Type</u>	<u>Description</u>
1	Planning	Location and layout of evaporation pit has been designed to meet all federal and state safety regulations. An additional observation sump beyond what was required has been added by Wexpro Company.
2	Wildlife	The entire facility will be fenced to prevent deer, elk, and domestic livestock from entering the pond. The Bird Avert system will be utilized to distract birds from landing on the pond.
3	Interim Reclamation	Wexpro will use only certified weed free native seed mixes, unless recommended otherwise by Federal agencies. If needed, reclamation area will be fenced to minimize livestock/wildlife impact until plant species are capable of sustaining growth.

Total: 3 comment(s)

**CONDITIONS OF APPROVAL:**

<u>COA Type</u>	<u>Description</u>
	Operator is not permitted to discharge E&P Waste directly to evaporation pit, all fluids shall be off-loaded at "Truck Offload" per plans.
	Water Tanks and fluid handling equipment should comply with the siting requirements in COGCC rule 605.
	Comply with the BLM Right of Way Grant (Document Number 401849125) COAs.
	Prior to placing water in the pit, provide a form 26, source of produced water, listing out all wells that will be producing to this pit.
	Approval of dust suppression measures is not a part of this pit permit. Wexpro should assure that any water use is according to water well permit.
	Only E&P waste may be placed in the pits. Waste from any other source is prohibited.
	Fluid brought to this facility should be treated as E&P waste at all times.
	Operator states, "When levels reach a certain criteria the evaporators will automatically shut off." (per Operating Plan, Page 8). Operator shall monitor the effectiveness of this automatic shut off system daily for the first six months and weekly thereafter, maintaining records of monitoring results and resultant changes to the shut off system criteria.
	No hydrocarbon should be on this pit at any time. The threshold for oil is a sheen.
	General Form 28 Permit and Notification COAs: The following conditions of approval (COAs) will apply: •All conditions of approval (COAs) attached to the Form 28 Permit will also apply to this Form 15 permit and the associated Form 2A permit for this location. •Commencement of building/constructing this location is not authorized until the Form 28 permit has been approved. •Prior to the Form 28 Permit approval (and therefore start of construction), adequate financial assurance per Rules 704 and 908.11.g.(1).B. are required. •Provide Notices as described in the most current version of the Northwest Notification Policy; including 48 hour notices prior to pit liner installation, start of hydrostatic test, start of first use of pit(s) for operations, onsite and offsite pipeline testing.

	<p>Earthen Pit Construction: The following conditions of approval (COAs) will apply for construction of the two production pits and ancillary facilities:</p> <ul style="list-style-type: none"> <li>•Operator must submit a professional engineer (PE) approved/stamped as-built drawing (plan view and cross-sections) of the two pits and the oil and gas location (including all tanks and other pit operations equipment) within 30 calendar days of completion of construction of the location, pit, and all operating equipment.</li> <li>•After installation of the uppermost liner and prior to operating each pit, the synthetic liner(s) integrity shall be tested to the operating capacity of the pit facility (not to exceed the 2-foot freeboard requirement). The operator shall monitor the pits for leaks for a period of 72 hours prior to either draining the pit or commencing operations. Hydrotest monitoring results must be maintained by the operator for the life of the pit and provided to COGCC prior to using the pit via a Form 4 Sundry.</li> <li>•The evaporation pit must be fenced. The operator must maintain the fencing until the pit(s) is(are) closed. The fencing shall be placed a minimum of 3-feet from the pit liner anchor trench.</li> <li>•Operator will use adequately sized secondary containment devices for all chemicals and/or hazardous materials stored or used on location.</li> <li>•Operator shall employ a method for monitoring buildup of phase-separated hydrocarbons on the surface of stored fluids.</li> <li>•No oil is permitted on the surface of the evaporation pit fluids.</li> </ul>
	<p>Material Handling and Spill Prevention: The following COA will apply to this Form 15 Permit if any buried permanent flowlines and/or offsite pipelines (poly or steel) are used during operations at this oil and gas location:</p> <ul style="list-style-type: none"> <li>•All onsite and offsite pipelines will be constructed, maintained, registered, and integrity tested in accordance with the COGCC 1100 Series Rules (1101, 1102, 1103, and 1104) updated on May 1, 2018.</li> <li>•Operator will utilize, to the extent practical, all existing access and other public roads, and/or existing pipeline right-of-ways, when placing/routing the temporary surface and permanent buried pipelines. This will reduce surface disturbance and fragmentation of wildlife habitat in the area.</li> </ul>

### **Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
2108653	WELL PROXIMITY TOPO MAP - ONE MILE RADIUS
2108654	TRUCK OFF-LOADING PAD DRAWING
2108667	LAND SHARK EVAPORATION UNIT - NOISE MODELLING REPORT
2108669	RULE 908.b.(8) OPERATING PLAN
2108672	SURVEYOR PACKAGE
2108673	DETAILED SITE CONSTRUCTION LAYOUT DRAWINGS
401566644	PIT PERMIT SUBMITTED

Total Attach: 7 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Final Review	Modified COA relating to both pits to only address this Evaporation Pit.	03/04/2019
Final Review	Engineering review conducted during Form 28 process addressed pit in fill, construction specs, liner specs, and site design.	03/04/2019
Environmental	COGCC staff updated the lat/long based on information provided by operator on 1/24/2019.	01/24/2019
Environmental	This Pit Facility is part of CE&P Facility ID 454586.	01/22/2019

OGLA	<p>03/07/2018 - location does not fall within sensitive wildlife habitat (SWH) or restricted surface occupancy (RSO) areas, therefore no CPW consultation is required;</p> <p>10/24/2018 - initiated Form 15 review by Dave Kubeczko; discussed pit operations and conditions of approval with operator; changed distance to nearest downgradient surface water feature from 481' to 0' (on both the Form 2A and the two Form 15s) for a drainage that runs up against the location along the northeast portion of the facility disturbance; changed location to a 'sensitive area' due to proximity of surface water features (0' along the northeast edge and 481' to the southwest of the location); placed COAs on the Form 15 for operator review;</p> <p>10/24/2018 - placed Form 2A "ON HOLD" pending site visit;</p> <p>10/25/2018 - COGCC conducted site visit to the evaporation pit and skimmer pit location;</p> <p>10/26/2018 - completed Form 15 review by Dave Kubeczko; placed notification, Form 28, earthen pit construction (as-built, hydrostatic test, fencing/netting, equipment secondary containment, hydrocarbon separation), and pipeline testing COAs on the Form 15;</p> <p>12/19/2018 - replaced several attachments and added supplemental information attachments; took Form 15 off of "ON HOLD" and placed back into "IN PROCESS";</p> <p>12/19/2018 - passed Form 15 review by Dave Kubeczko; notification, Form 28, earthen pit construction (as-built, hydrostatic test, fencing/netting, equipment secondary containment, hydrocarbon separation), and pipeline testing COAs.</p>	10/24/2018
Total: 5 comment(s)		