

State of Colorado
Oil and Gas Conservation Commission

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OGCC RECEPTION

Document Number:
400304592

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: 429850

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

OGCC Operator Number: <u>10404</u>	Contact Name: <u>Julie Padilla</u>
Name of Operator: <u>WINN EXPLORATION CO INC</u>	
Address: <u>800 NORTH SHORELINE DR</u>	Phone: <u>(303) 928-7128</u>
City: <u>CORPUS CHRISTI</u> State: <u>TX</u> Zip: <u>78401</u>	Email: <u>jpadilla@petro-fs.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>Slanovich</u>	Operator's Pit/Facility Number: <u>34-27</u>
API Number (associated well): <u>05- 043 6215 00</u>	
OGCC Location ID (associated location): <u>428957</u>	Or Form 2A # _____
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>NWSE-27-19S-70W-6</u>	
Latitude: <u>38.363705</u>	Longitude: <u>-105.207263</u> County: <u>FREMONT</u>

Operation Information

Pit Use/Type (Check all that apply):	Pit Type: <input checked="" type="checkbox"/> Lined <input type="checkbox"/> Unlined
<input checked="" type="checkbox"/> Drilling: (Ancillary, Completion, Flowback, Reserve Pits)	<input type="checkbox"/> Oil-based Mud; <input type="checkbox"/> Salt Sections or High Chloride Mud
<input type="checkbox"/> Production:	<input checked="" 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: _____	
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>Waste Connections located in Pueblo, Colorado</u>

Site Conditions

Distance (in feet) to the nearest surface water: <u>286</u>	Ground Water (depth): <u>20</u>	Water Well: <u>713</u>
Is this location in a Sensitive Area? <u>Yes</u>	Existing Location? _____	

Pit Design and Construction

Size of Pit (in feet):	Length: <u>95</u> Width: <u>35</u> Depth: <u>8</u>	Calculated Working Volume (in barrels): <u>1635</u>
Flow Rates (in bbl/day):	Inflow: <u>285</u> Outflow: _____	Evaporation: <u>26.75</u> Percolation: <u>0</u>
Primary Liner. Type: <u>Synthetic</u>	Thickness (mil): <u>30</u>	
Secondary Liner (if present):	Type: _____ Thickness (mil): _____	
Is Pit Fenced? <u>Yes</u>	Is Pit Netted? <u>Yes</u>	Leak Detection? <u>No</u>
Other Information:	<u>See Attached Management Plan</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: Julie Padilla
Title: Regulatory Manager Email: jpadilla@petro-fs.com Date: 07/11/2012

Approval

Signed: _____



Title: _____

Director of Cogcc

Date: _____

08/08/2012

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)

CONDITIONS OF APPROVAL:

The location is a Sensitive area due to shallow groundwater therefore onsite disposal of pit contents is not allowed.

Prior to closing the pit the south-east corner of the pit shall be surveyed in accordance with Rule 215. The survey results shall be provided to the Director via form 4 within 30 days of pit closure.

Operator shall comply with the following Operations Plan, which they provided:

Winn Exploration Company

Pit Management Plan - Florence Field, CO

6/25/2012

Operations

Winn Exploration drilling techniques employed in Florence, earthen pits are utilized to discharge drilling fluid while drilling. Drilling fluids are discharged into the reserve pit prior to drilling into the oil bearing reservoir. When encountering oil, the drilling fluids will be diverted to a separation system. From the operator, fluids (including oil) and cuttings will be transferred to storage tanks. Small quantities of oil may inadvertently flow into the reserve pit while flow is being diverted to the separation system.

Pit Design

Pit dimensions will differ depending on the type of well and location size. Pit dimensions specific to a site or well will be described in the Earthen Pit/Permit (Form 15). Pits will be lined with 30 mil synthetic pit liner(s), fenced with a three (3) strand wire fence or better and will be maintained to prevent impacts to wildlife including the installation of bird netting. The bird netting will be installed as soon as practical once oil flows into the pit.

Pit Monitoring/Inspection

During drilling operations, on-site drilling personnel will monitor the pit fluid level on a 24-hour basis to ensure the minimum required 2 feet freeboard is maintained. Once drilling operations are completed, Winn Exploration personnel will inspect the pits on a daily basis to monitor and inspect the condition of the fence and bird netting, to ensure the minimum required 2 feet freeboard is maintained and to witness the type and quality of fluids in the pit. Records will be kept showing pit monitoring and inspection. Such records will be available for the COGCC representative review upon request.

Pit Skimming

Pits will be skimmed at a minimum on a bi-weekly basis should there be sufficient quantity of oil present in the pits. Frequency may be increased, as necessary, at the discretion of the operator, or in consultation with COGCC staff. Records of the skim operations will be kept by Winn Exploration and made available to COGCC staff for review upon request.

Waste Management

Pit contents will be disposed using evaporation, burial and offsite disposal to an authorized commercial landfill per COGCC, Series 900 rules. During drilling operations, any excess amount of fluids will be disposed to an authorized local commercial landfill. Oil contaminated cuttings will be disposed to an authorized local commercial landfill. Upon closure of pit, cuttings left in pit shall meet the standards listed in Table 910. Synthetic pit liners shall be removed and disposed per COGCC, Series 900 rules to an authorized local landfill. Refer to Preliminary Pit Closure Plan below.

Preliminary Pit Closure Plan

- Representative samples will be collected, preserved, transported and analyzed in accordance with rule 910. Samples will be obtained from areas that most likely have been impacted, i.e. from the remaining cuttings left in the pit, and or soil immediately beneath the liner in areas of apparent or suspected leaks.
- The Site Investigation and Remediation Work Plan (Form 27) will be prepared and submitted to the COGCC along with test results.
- Upon COGCC approval of Form 27, oil and oil contaminated cuttings (oil waste) will be removed from the pit and disposed of at an authorized commercial landfill. All pit waste will be treated and/or disposed of per rule 907.
- The liner will be removed and the pit will be backfilled with the stored pit soil. Prior to backfilling the pit liquid will be removed to de minimis amounts. Soil and fluid left in the pit shall be tested and confirmed to meet the allowable concentration levels of Table 910. Synthetic pit liners shall be removed and disposed per COGCC, Series 900 rules to an authorized local commercial landfill. At the time the synthetic liner is removed from the pit, a representative sample will be collected below the synthetic liner. The underlying soil will be observed for indications of liner leakage. Additional samples will be collected from area of apparent or suspected leaks.