

**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:**  
**400687208**

**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: 450516

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

OGCC Operator Number: 70385 Contact Name: Chris Smith  
 Name of Operator: SMITH ENERGY CORP  
 Address: 12706 SHILOH RD Phone: (303) 7096157  
 City: GREELEY State: CO Zip: 80631 Email: smithenergy@live.com

**ATTACHMENTS**

Detailed Site Plan	
Design/Cross Sec	
Topo Map	
Calculations	
Sensitive Area Info	
Mud Program	
Form 2A	
Form 26	
Water Analysis	

**Pit Location Information**

Operator's Pit/Facility Name: Longknife Operator's Pit/Facility Number: 21-32  
 API Number (associated well): 05- 121 10869 00  
 OGCC Location ID (associated location): 317403 Or Form 2A #  
 Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NENW-32-2S-50W-6  
 Latitude: 39.845112 Longitude: -103.003076 County: WASHINGTON

**Operation Information**

Pit Use/Type (Check all that apply): Pit Type:  Lined  Unlined  
 Drilling: (Ancillary, Completion, Flowback, Reserve Pits)  Oil-based Mud;  Salt Sections or High Chloride Mud  
 Production:  Skimming/Settling;  Produced Water Storage;  Percolation;  Evaporation  
 Special Purpose:  Flare;  Emergency;  Blowdown;  Workover;  Plugging;  BS&W/Tank Bottoms  
 Multi-Well Pit: Construction Date: Actual or Planned:  
 Method of treatment prior to discharge into pit: Separator  
 Offsite disposal of pit contents:  Injection;  Commercial;  Reuse/Recycle;  NPDES; Permit Number:  
 Other Information:

**Site Conditions**

Distance (in feet) to the nearest surface water: 5280 Ground Water (depth): 180 Water Well: 5280  
 Is this location in a Sensitive Area? No Existing Location? No

**Pit Design and Construction**

Size of Pit (in feet): Length: 30 Width: 40 Depth: 5 Calculated Working Volume (in barrels): 1069  
 Flow Rates (in bbl/day): Inflow: 4 Outflow: Evaporation: 2.4 Percolation: 641  
 Primary Liner. Type: None Thickness (mil): 0  
 Secondary Liner (if present): Type: Thickness (mil):  
 Is Pit Fenced? Yes Is Pit Netted? No Leak Detection?  
 Other Information:

Operator Comments:

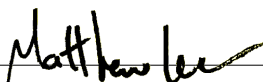
**Certification**

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

Signed: \_\_\_\_\_ Print Name: Chris Smith  
 Title: Vice President Email: smithenergy@live.com Date: 09/14/2014

**Approval**

Signed: \_\_\_\_\_



Title: \_\_\_\_\_ Director of COGCC

Date: \_\_\_\_\_ 05/11/2017

**Best Management Practices****No BMP/COA Type****Description**

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**CONDITIONS OF APPROVAL:****COA Type****Description**

	Operator shall maintain maximum fluid level below native grade.
	Production pit (including freeboard) shall not be constructed in fill material.
	The production pit lies within a Sensitive Area. Operator shall collect one sample of the produced water for analysis of Total Petroleum Hydrocarbons (TPH) and benzene, toluene, ethyl benzene, and total xylenes (BTEX), to ensure that underlying soils and groundwater will not be impacted from the produced water. Sample results shall be submitted to the COGCC within 45 days of receipt of this permit.

**Attachment Check List****Att Doc Num****Name**

1010021	DESIGN: PIT CROSS SECTION
400687208	PIT PERMIT SUBMITTED
400687209	WATER ANALYSIS
400687210	OTHER
400687211	DETAILED SITE PLAN
400687212	CALCULATIONS
400687213	SOURCE OF PRODUCED WATER FOR DISPOSAL
400687214	OTHER
400687215	TOPOGRAPHIC MAP
400687217	SENSITIVE AREA DETERMINATION

Total Attach: 10 Files

**General Comments****User Group****Comment****Comment Date**

OGLA	Changed the Lat./Long. based on the COGIS Map.	02/26/2016
OGLA	Cross Section Design is not in compliance. Produced water appears to be level with surface grade with earthen berms being built up from grade.  Modified Cross Section Design submitted - 02/17/2016	02/26/2016
OGLA	Changed Sensitive Area to YES. Pit Location lies within the Northern High Plains Designated Basin.  Groundwater is reported at 180 feet. Production Pit is underlain by loamy fine sand followed by weathered bedrock per NRCS and sandy clay followed by limestone per DWR Water Well Permit #25572.  Based on subsurface lithology, liner requirements are not warranted at this time.	02/26/2016

Total: 3 comment(s)