

District I  
105 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-144  
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Elm Ridge Resources Telephone: (505) 632-3476 e-mail address: amackey1@elmridge.net

Address P.O. Box 156, Bloomfield, New Mexico, 87413

Facility or well name: Schmitz Federal #34-3 API #: 3003924331 U/L or Qtr/Qtr J Sec 34 T 24N R 1W

County: Rio Arriba Latitude 36.265071 Longitude -106.926964 NAD: 1927 ☒ 1983 ☐

Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐

RCVD APR 30 '08

**Pit**

Type: Drilling ☐ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☐ Unlined ☐

Line type: Synthetic ☐ Thickness        mil Clay ☐

Pit Volume        bbl

**Below-grade tank**

Volume: 15 bbl Type of fluid:

Construction material: Steel

Double-walled, with leak detection? Yes ☐ If not, explain why not

No Tank in place prior to Rule 50

OIL CONS. DIV.  
DIST. 3

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points)	20
	50 feet or more, but less than 100 feet	(10 points)	
	100 feet or more	( 0 points)	
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes	(20 points)	0
	No	( 0 points)	
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses )	Less than 200 feet	(20 points)	10
	200 feet or more, but less than 1000 feet	(10 points)	
	1000 feet or more	( 0 points)	
	<b>Ranking Score (Total Points)</b>		30

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility                      (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface                      ft. and attach sample results (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

Soil passed the standard of 100 ppm TPH via the USEPA method 418.1 and passed the 100 ppm OVM standard

No excavation was required

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 4/28/08

Printed Name/Title Ms. Amy Mackey, Production Technician

Signature 

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations

Approval: **DEPUTY OIL & GAS INSPECTOR, DIST. 3**

Printed Name/Title Red Roll

Signature 

Date: JUN 02 2008

CLIENT: <u>Elm Ridge</u>	<b>ENVIROTECH INC.</b> <small>ENVIRONMENTAL SCIENTISTS &amp; ENGINEERS          5796 U.S. HIGHWAY 64-3014          FARMINGTON, NEW MEXICO 87401          PHONE: (505) 632-0615</small>	LOCATION NO: _____  C.O.C. NO: _____
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<b>FIELD REPORT: CLOSURE VERIFICATION</b>	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>Schmitz Federal</u> WELL #: <u>34-3</u> PIT: <u>BGT1</u> QUAD/UNIT: _____ SEC: <u>34</u> TWP: <u>24N</u> RNG: <u>1W</u> PM: <u>NMPM</u> CNTY: <u>Ariz</u> STATE: <u>NM</u> QTR/FOOTAGE: <u>1800'S</u> <u>1800'E</u> CONTRACTOR: _____	DATE STARTED: <u>3/26/08</u> DATE FINISHED: <u>3/26/08</u> ENVIRONMENTAL SPECIALIST: <u>J. McDaniel</u>
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EXCAVATION APPROX _____ FT. x _____ FT. x _____ FT. DEEP.	CUBIC YARDAGE: <u>NA</u>
DISPOSAL FACILITY: <u>NA</u>	REMEDIALATION METHOD: <u>NA</u>
LAND USE: <u>NA</u>	LEASE: _____ FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>105</u> FT. <u>330°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>&lt; 50 ft</u> NEAREST WATER SOURCE: <u>7200 ft</u> NEAREST SURFACE WATER: <u>&lt; 1000 ft</u> <u>7200 ft</u> NMOC D RANKING SCORE: <u>30</u> NMOC D TPH CLOSURE STD: <u>100</u> PPM
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SOIL AND EXCAVATION DESCRIPTION:	CHECK ONE: <input checked="" type="checkbox"/> PIT ABANDONED. <input type="checkbox"/> STEEL TANK INSTALLED
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BGT2 to be completed at a later date

FIELD 418.1 CALCULATIONS

TIME	SAMPLE ID	LAB No.	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0852	200 STD						
0906	6' Bottom		5.0	20	4	03	12

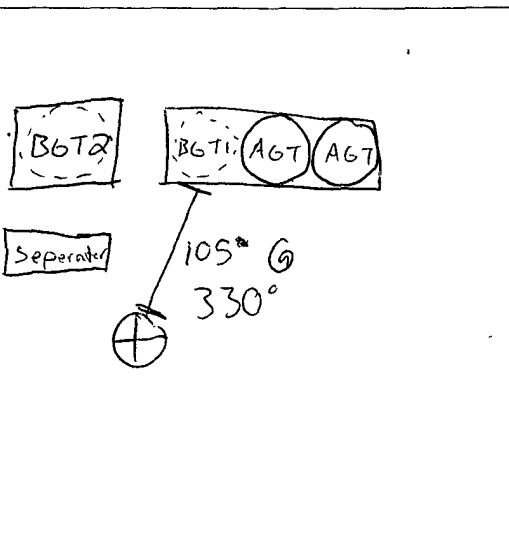
SCALE



PIT PERIMETER

OVM  
RESULTS

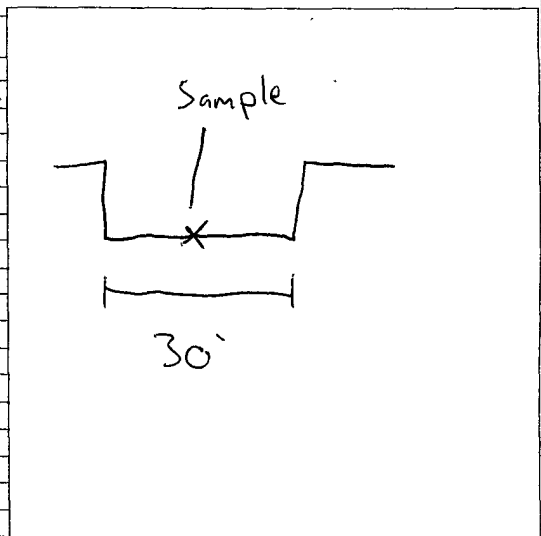
PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 6' Bottom	0.0
2	
3	
4	
5	

SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Cal. Date: 26-Mar-08

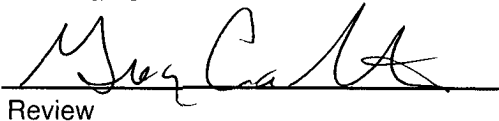
Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	207
	200	
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

  
Analyst

James McDaniel

Print Name

  
Review

Greg Crabtree

Print Name

4/21/08  
Date

4/21/08  
Date

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Elm Ridge Resources	Project #:	03056-0098
Sample No.:	1	Date Reported:	3/26/2008
Sample ID:	Discrete 6' BGS	Date Sampled:	3/26/2008
Sample Matrix:	Soil	Date Analyzed:	3/26/2008
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	12	5.0
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ND = Parameter not detected at the stated detection limit.

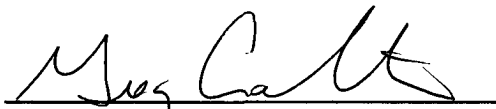
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Schmitz Federal #34-3**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

James McDaniel  
Printed

  
Review

Greg Crabtree  
Printed

# ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

April 23, 2008

Client No. 03056-098

Ms. Amy Mackey  
Elm Ridge Resources  
P.O. Box ~~189~~ 156  
Bloomfield, New Mexico 87413

Phone: (505) 632-3476  
Fax: (505) 632-8151

**RE: BELOW-GRADE TANK CLOSURE DOCUMENTS**

Dear Ms. Mackey:

Enclosed, please find below-grade tank closure documents for your review and signature for the following sites:

- Schmitz Federal #34-3

Each packet contains New Mexico Oil Conservation District (NMOCD) Form C-144 and Envirotech's Field Report: Closure Verification, field analysis documentation, bills of lading, and, if applicable, lab analysis documentation.

Complete documentation of field headspace readings is included on the field report. Once signed, please forward to Mr. Brandon Powell, NMOCD, and keep a copy for your files.

We appreciate the opportunity to be of service. Should you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,  
**ENVIROTECH, INC.**



Greg W. Crabtree, EIT  
Environmental Engineer  
[gcrabtree@envirotech-inc.com](mailto:gcrabtree@envirotech-inc.com)

Enclosure: Pit Closure Documents  
Cc: Client File No. 03056