District I 1625 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

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

Form C-144

June 1, 2004

Oil Conservation Division Santa Fe, NM 87505

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

1220 South St. Francis Dr. office Pit or Below-Grade Tank Registration or Closure

Type of action: Registration of a pit of	r below-grade tank 🔲 Closure of a pit or below-grad	e tank 🛛		
Operator: Elm Ridge Resources Telephone:	(505) 632-3476 e-mail address: am	ackiel@elmridge.net		
Address: #20 County Road 5060, Bloomfield, New Mexico, 87413				
Facility or well name: State 16 No. 3 API #: 30039	24573 U/L or Qtr/Qtr <u>L</u> Sec	<u>16 T 23N R 6W</u>		
County: Rio Arriba Latitude	36.222800 Longitude -107.480683	NAD: 1927 ☑ 1983 □		
Surface Owner: Federal ☐ State ☒ Private ☐ Indian ☐				
Pit	Below-grade tank			
Type: Drilling Production Disposal	Volume:bbl Type of fluid: Produced Water a	nd Incidental Oil		
Workover Emergency	Construction material: Fiberglass			
Lined Unlined 🛛	Double-walled, with leak detection? Yes If not,	explain why not		
Liner type: Synthetic Thickness mil Clay	Double-wanted, with leak detection: 1 cs 11 not,	explain why not.		
Pit Volume 10 bbl	50.5	1 (20		
Depth to ground water (vertical distance from bottom of pit to seasonal	Less than 50 feet	(20 points)		
high water elevation of ground water.)	50 feet or more, but less than 100 feet	(10 points)		
	100 feet or more	(0 points) 20		
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)		
` ` ` `	No	(0 points) 0		
water source, or less than 1000 feet from all other water sources.)				
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)		
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)		
	1000 feet or more	(0 points) 20		
	Ranking Score (Total Points)	40		
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's	relationship to other equipment and tanks. (2) Indicat	te disposal location: (check the onsite box if		
your are burying in place) onsite offsite If offsite, name of facility _	- · · · · · · · · · · · · · · · · · · ·	•		
date. (4) Groundwater encountered: No 🛛 Yes 🔲 If yes, show depth belo	-	results.		
(5) Attach soil sample results and a diagram of sample locations and excavat	ions.	4 9		
Additional Comments:		APP CARO		
Approximately 60 cubic yards of contaminated soil was excavated and hau	led to Envirotech's NMOCD permitted Landfarm	Para 2008		
		E ORG		
District Silvers				
		TE ZE CELLE		
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: 4-4-06				
$\frac{1}{2}$				
Printed Name/Title Ms. Amy Mackie - Production Technician Signature				
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the oft 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.				
CIN OL & CAS CERTICA DIT. (% ()				
Annroval:				
Printed Name/Title Signature Date:				
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				

CLIENT:	Envirotech Inc.	LOCATION NO:
	ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 67401 PHONE: (505) 632-0615	C.O.C. NO:
FIELD REPOF	RT: CLOSURE VERIFICATION	-
QUAD/UNIT: L SEC:	16 WELL #: 3 PIT: TB 16 TWP: Z3N RNG: (W PM: NMAM CNTY: RA ST: N L 747 FWL CONTRACTOR: Franks	DATE STARTED: 2/17/06 DATE FINISHED: 2/17/06 ENVIRONMENTAL GWU
DISPOSAL FACILITY: _ &	rywhich langtanm 2 REMEDIATION MET: LEASE: E-1207-1 F	HOD: Lanofarm
	RKS: PIT LOCATED APPROXIMATELY 158 FT. NEAREST WATER SOURCE: >1060 NEAREST SURF	
	NMOCD TPH CLOSURE STD: 100 PPM	CHECK DNE: X PIT ABANDONED STEEL TANK INSTA
Approximately 60 Lanofarm H?	yd3 of contaminated soil was hauled to	Environtech's
Approximately 60 Lanofarm 4;	FIELD 418.1 CALCULATIONS TIME SAMPLE I.D. LAB No: WEIGHT (g) mL. FREON	
Approximately 60 LANDGARM H 3 SCALE O FT	FIELD 418.1 CALCULATIONS TIME SAMPLE I.D. LAB No: WEIGHT (g) ml. FREON Sea Method 418.1 Analysis log	
SCALE	FIELD 418.1 CALCULATIONS TIME SAMPLE I.D. LAB No: WEIGHT (g) ml. FREON See Method 418.1 Amalysis log	



Method 418.1 Analysis Log Total Petroleum Hydrocarbons

ı	Date	2/4/06			Analyst	G. Crabi	bree		•
1	Location	State 16 We	11 #3		Instrument	G. Crabi	rl	···	_
	Job No.	03056-040-	026						
	Sample No.	Sample Description	Sample Wt. (g)	Volume Freon (mL)	Dilution Factor	Abs. Reading	TPH (mg/kg)	OVM (mg/kg)	
	l	Bottom = point composite @ 5'	5.0	w	4	135	540	84	
	2	Excavatuo Material	5,0	70	40	195	7,800	42	nauls off
	3	NOU	57.0	રગ	4	O	0	0	
7	4	Botton 5 point, composite 108	5.0	70	4	20	80	0	
K			Infrared	Spectrophoto	ometer Calibr	ation			2
		New Freon							
	Date	Standards Prepared	· · · · · · · · · · · · · · · · · · ·						
	Conc	Standard entration (mg/L)	Absorbance						
		100							
		200	100/193	3					
		500		•					
		1000							
	I-CAL RF	:				C-CAL RF:		_	
	RSD:		%		%	Difference:		%	
	QA/QC Acc	eptance Criteria: I-CAL RSI	O +/- 20%			C-Cal Difference	+/- 10%	-	



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Elm Ridge Resources

Project #:

03056-040-026

Sample No.:

1

Date Reported:

2/15/2006

Sample ID:

Composite sample of bottom @ 5' BGS Date Sampled:

ata Analumat

2/14/2006

Sample Matrix:

Soil Cool Date Analyzed:

Analysis Needed:

2/14/2006 TPH-418.1

Preservative: Condition:

Cool and Intact

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

540.0

5.0

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:

State 16 No. 3

Instrument callibration checked against 200 ppm standard. Zeroed before each sample

Analyst

Review



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Elm Ridge Resources

03056-040-026

Sample No.:

2

Project #: Date Reported:

Sample ID:

Composite sample of Walls

2/15/2006 2/14/2006

Sample Matrix:

Soil

Date Sampled: Date Analyzed: 2/14/2006

Preservative:

Cool

Analysis Needed: **TPH-418.1**

Condition:

Cool and Intact

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

ND

5.0

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:

State 16 No. 3

Instrument callibration checked against 200 ppm standard. Zeroed before each sample



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Elm Ridge Resources

Project #:

03056-040-026

Sample No.:

Date Reported:

2/18/2006

Sample ID:

Composite sample of bottom @ 8' BGS Date Sampled: Date Analyzed: 2/17/2006 2/17/2006

Sample Matrix: Preservative:

Soil Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

80.0

5.0

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:

State 16 No. 3

Instrument callibration checked against 200 ppm standard. Zeroed before each sample

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865