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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Form C-144

June 1, 2004

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 of		C WIIK 2		
•	(505) 632-3476 e-mail address: <u>am</u>	ackey1@elmridge.net		
Address: #20 County Road 5060, Bloomfield, New Mexico, 87413				
Facility or well name: NCRA State 32 No. 1 API #:	3003925099 U/L or Qtr/Qtr <u>K</u>	Sec <u>32</u> T <u>24N</u> R <u>6W</u>		
County: Rio Arriba Latitude	36.265081 Longitude -107.49676	NAD: 1927 🖾 1983 🗖		
Surface Owner: Federal ☐ State ☑ Private ☐ Indian ☐				
<u>Pit</u>	Below-grade tank			
Type: Drilling Production Disposal	Volume: 20 bbl Type of fluid: Produced Wate	r and 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	No, tank in place prior to rule 50			
Pit Volume bbl	Two, tank in place prior to rate 50			
rt volumeou	1 4 50 5	(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) 0		
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)		
water source, or less than 1000 feet from all other water sources.)	No	(0 points) 0		
	Less than 200 feet	(20 points)		
Distance to surface water: (horizontal distance to all wetlands, playas,	200 feet or more, but less than 1000 feet	(10 points)		
irrigation canals, ditches, and perennial and ephemeral watercourses.)	, and the second	· • ·		
· · · · · · · · · · · · · · · · · · ·	1000 feet or more	(0 points) 0		
	Ranking Score (Total Points)	0		
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				
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your are burying in place) onsite 🔲 offsite 🛛 If offsite, name of facility	Envirotech Landfarm #2 . (3) Attach a general descr	iption of remedial action taken including		
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CLIENT: Elm R: oga	ENVIROTECH INC. ENVIROMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401	C.O.C. NO:
FIELD REPO	PHONE: (505) 632-0615 RT: CLOSURE VERIFICAT	TION PAGE NO: of
quad/unit: K sec	State 31 WELL #: PIT: Sep 32 TWP: 24N RNG: WW PM: WAM CNTY: RA SL 1375FWL CONTRACTOR: Franks	DATE STARTED: 5/12/00 DATE FINISHED: 5/12/00 ENVIRONMENTAL GWC
DISPOSAL FACILITY: E	PT. x 20 FT. x 5 FT. DEEP. Wive tech Lamp fram # 2 REMEDIATION LEASE:	METHOD: <u>CAnofarm</u> FORMATION:
DEPTH TO GROUNDWATER: >1	RKS: PIT LOCATED APPROXIMATELY 100' NEAREST WATER SOURCE: >1000 NEARE NMOCD TPH CLOSURE STD: 5,000 PPM DN DESCRIPTION:	
Maximum reas At samostone Continuination: Cemediation	omatale extent of excavation read in the sample 1.D. LAB No: WEIGHT (g) ml.	LAMO FARM \$ 2 For
SCALE O FT DIT DEDIM	See Merupo 418,1 Analysis	log
PIT PERIM	RESULTS SAMPLE FIELD HEADSPACE ID FIELD HEADSPACE PID (ppm) 1 Bottom C5' 141 2 Excurated 3 Material 4114 4 Wall, Camp to 5 LAB SAMPLES SAMPLE ANALYSIS TIME X-L	PIT PROFILE
TRAVEL NOTES: CALLOU	T:ONSITE:	·



Method 418.1 Analysis Log Total Petroleum Hydrocarbons

Date	5/12/06	Analyst	G. Crabtroe
Location	NCRA STATE 32-1	Instrument	Infracal
Job No.	03056-040-038	-	a) .

Sample No.	Sample Description	Sample Wt. (g)	Volume Freon (mL)	Dilution Factor	Abs. Reading	TPH (mg/kg)	OVM (mg/kg)
•	BOTTON SOME	5.0	20	40	408	16,320	141
2	Excavator Matorial	5.0	20	40	442	17,680	414
3	Wari Composite	5.0	го	4	ટડેઇ	952	Ь
				<u>.</u>			,

Infrared Spectrophotometer Calibration

New Freon			
Date Standards Prepared		-	
Standard Concentration (mg/L)	Absorbance		
100			
200	213		
500			
1000			
I-CAL RF:	_	C-CAL RF:	_
RSD: QA/QC Acceptance Criteria: I-CAL RS	_% D +/- 20%	% Difference: C-Cal Difference +/- 10%	_%



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Elm Ridge Resources

Project #:

03056-040-038

Sample No.:

Date Reported:

5/12/2006

Sample ID:

Composite sample of bottom @ 5' BGS Date Sampled:

5/12/2006

Sample Matrix: Preservative:

Soil Cool Date Analyzed: Analysis Needed:

5/12/2006 TPH-418.1

Condition:

Cool and Intact

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

Total Petroleum Hydrocarbons

16,300

50.0

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:

NCRA State 32 No. 1

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

Analyst Review



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Elm Ridge Resources

Project #:

03056-040-038

Sample No.:

2

Date Reported:

5/12/2006

Sample ID:

Composite sample of Walls

Date Sampled:

5/12/2006

Sample Matrix:

Soil Cool Date Analyzed:

Analysis Needed:

5/12/2006 TPH-418.1

Preservative: Condition:

Cool and Intact

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

Total Petroleum Hydrocarbons

952.0

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:

NCRA State 32 No. 1

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

Analvst

Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Elm Ridge Resources	Project #:	03056-040-038
Sample ID:	Bottom @ 5'	Date Reported:	05-16-06
Laboratory Number:	37126	Date Sampled:	05-12-06
Chain of Custody:	15968	Date Received:	05-12-06
Sample Matrix:	Soil	Date Analyzed:	05-15-06
Preservative:	Cool	Date Extracted:	05-15-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	437	1.8	
Toluene	1,260	1.7	
Ethylbenzene	558	1.5	
p,m-Xylene	2,430	2.2	
o-Xylene	986	1.0	
Total BTEX	5,670		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

NCRA State 32-1 Composite.

Mustere m Walters Analyst Sleuk Wall