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. 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

Santa Fe, NM 87505 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 \(\subseteq\) Closure of a pit or below-grade tank \(\subseteq\) Operator: Elm Ridge Resources Telephone: (505) 632-3476 e-mail address: amackey l@elmridge.net Address: #20 CR 5060, Bloomfield, New Mexico, 87413 Facility or well name: Apache No. 12-F API #: 3003925609 ___ U/L or Qtr/Qtr <u>L</u> Sec <u>17 T 24N</u> R <u>5W</u> NAD: 1927 🔯 1983 🔲 Latitude 36.310565 -107.39006 County: Rio Arriba Longitude Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☒ Pit Below-grade tank Type: Drilling Production Disposal D Volume: 40 bbl Type of fluid: Workover ☐ Emergency ☐ Construction material: Lined Unlined Double-walled, with leak detection? Yes If not, explain why not. Liner type: Synthetic Thickness Tank in place prior to rule 50 Pit Volume Less than 50 feet (20 points) Depth to ground water (vertical distance from bottom of pit to seasonal 50 feet or more, but less than 100 feet (10 points) high water elevation of ground water.) 100 feet or more 10 (0 points) Yes (20 points) Wellhead protection area: (Less than 200 feet from a private domestic 0 No (0 points) water source, or less than 1000 feet from all other water sources.) 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.) 1000 feet or more O (0 points) 10 Ranking Score (Total Points) 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 your are burying in place) onsite 🔲 offsite 🔯 If offsite, name of facility Envirotech Landfarm #2 . (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: Approximately 34 cubic yards of excavated soil was removed and transported to Envirotech's Landfarm #2 for remediation .11 IL 2006 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 , ar an (attached) Alternative OCD-approved plan . Ms. Amy Mackey, Production Technician Signature Your certification and NMOCD approval of this application/closure does not relieve the operator of hability should the contents of the pot 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 OR & GAS INSPECTOR, DIST. &. Date: JUL 18 2006 Signature / Sugar Printed Name/Title

FIELD REPORT: CLOSURE VERIFICATION PAGE NO: 1 of 1 LOCATION: NAME: Apacha R WELL #: 12-F PTP Sep QUAD/UNITAM/Sw SEC 17 TWP 24 RNG S PMAMM CNTY PA ST MA QUAD/UNITAM/Sw SEC 17 TWP 24 RNG S PMAMM SEC 17 TWP 25 RNG S P	CLIENT:		ENVIRONMEN 5796 FARMIN	IROTEC. TIAL SCIENTIST U.S. HIGHWAY GTON, NEW ME DNE: (505) 632	6 & ENGINEERS 64-3014 XICO 87401		LDC]:
QUAD/UNIT Notes Sec. 17 TWP. 44 RNG: 5 PM MARM CRTY PA ST NOTES OF STATES OF						 		····	
DISPOSAL FACILITY: E. Tech (Antiferen REMEDIATION METHOD: CAMPIFREN LAND USE: GRANTON: FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 10 FT. 25° FROM WELLHEAD. DEPTH TO GROUNDWATER 50-60 NEAREST VATER SOURCE 7/000 NEAREST SURFACE VATER 2/000 NHOCD RANKING SCORE: 10 NHOCD THA CLOSURE STD 1/000 PPH SOIL AND EXCAVATION DESCRIPTION: Approximate 12 34 cubic yeros of soil was excavated an transported to Envirote th's Land form 2 SCALE O FT PIT PERIMETER OVM PIT PERIMETER OVM PIT PERIMETER OVM PIT PROFILE SUPPLE 10 18.1 CALCULATIONS FIELD 418.1 CAL	QUAD/UNIT No SEC. 1	1 TWP	24 RNG:	S PM	HMPM CNT	Y: PA ST: N	DATE	FINISHED: _	6/5/06
SCALE OFT PIT PERIMETER PIT ABANDONED Apache 12-E PARAMETER NAME SAMPLE 12 Apache 12-E PARAMETER ID AMANTES NAME SAMPLE SULTS SAMPLE 12-E PARAMETER ID AMANTES NAME SAMPLE SULTS SAMPLE 12-E PARAMETER ID AMANTES NAME SAMPLE SULTS SAMPLE 12-E PARAMETER ID AMANTES NAME SULTS SAMPLE 13- AMANTES NAME SAMPLE SULTS SAMPLE 14- AMANTES NAME SAMPLE SAMPLE SAMPLE SULTS SAMPLE SULTS SAMPLE SAMPL	EXCAVATION APPROX. 17 FT. x 15 FT. x 10 FT. DEEP. CUBIC YARDAGE: DISPOSAL FACILITY: E-Tech Landfarm REMEDIATION METHOD: Landfarm LAND USE: grazing LEASE: FORMATION: FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 170 FT. 25° FROM WELLHEAD.								
SCALE TIME SAMPLE LD. LAB No. WEIGHT (g) ml. FREON DILUTION FRADING CALC ppm	NMOCD RANKING SCORE: 10	NMOC	D TPH CLOSUR				<u>CH</u> PIT	ECK DN ABANDON	E: IED
SCALE 1007 bettom 5,0 20 4 12 48 1007 bettom 5,0 20 4 18 192 PIT PERIMETER RESULTS PIT PROFILE SAMPLE PO (SOPINCE DO (SO	JUL 2006								
OFT PIT PERIMETER RESULTS PIT PROFILE SAMPLE FIED HEADSPACE FIED (Spm) 1 wards 1 wards 4 5 LAB SAMPLES				LAB No:				READING	CALC ppm
PIT PERIMETER RESULTS PIT PROFILE SAMPLE PELD HEADSPACE 1 WAUS 1. C 2 to the 10 on 10 o	SCALE		ļ		 		4	Sin .	101
PIT PERIMETER OVM RESULTS SAMPLE FIELD HEADSPACE PRO (ppm) 1 WANUS 1.0 2 to the 10.0 3 4 5 LAB SAMPLES SAMPLE ANALYSIS TIME PCAA MARKER PCAA MARKER PIT PROFILE ** ** ** ** ** ** ** ** **	O FOTO				5,0		4	TOT	225
RESULTS SAMPLE PELD HEADSPACE PRO (spm) 1 Wards 1.c 2 bith 10.0 3 4 5 LAB SAMPLES SAMPLES SAMPLES SAMPLE 12-E PCHA MARKE 12 ** Usell a sample ** Wall a sample	·		310	OVM	<u> </u>	יות	תם יו	OBILE L	\
TRAVEL NOTES: CALLOUT: ONSITE:									

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CONTINUOUS CALIBRATION EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Cal. Date:

5-Jun-06

Parameter	Standard Concentration mg/L	Concentration Reading mg/L	
TPH	100		
	200	225	
	500		
	1000		

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



Analyst

Date

C) have hat

Date



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Elm Ridge Resources

Project #:

03056-040-040

Sample No.:

1

Date Reported:

6/19/2006

Sample ID:

Composite sample of bottom at 10 fee Date Sampled:

Date Analyzed:

6/5/2006 6/5/2006

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

192.0

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:

Apache No. 12-F

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

Analyst

Review



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Elm Ridge Resources

0

03056-040-040

Sample No.:

2

Date Reported:

Project #:

6/19/2006

Sample ID:

Wall composite sample

6/5/2006

Sample Matrix:

Soil

Date Sampled: Date Analyzed:

6/5/2006

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

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

Total Petroleum Hydrocarbons

48.0

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:

Apache No. 12-F

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

Analyst

Review