

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

Form C-144
June 1, 2004

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

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: State of New Mexico No. 36-44 API #: 3004525199 U/L or Qtr/Qtr P Sec 36 T 24N R 8W
County: San Juan Latitude 36.266002 Longitude -107.6269 NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☐ State ☒ Private ☐ Indian ☐

Pit

Type: Drilling ☐ Production ☒ Disposal ☐

Workover ☐ Emergency ☐

Lined ☐ Unlined ☒

Liner type: Synthetic ☐ Thickness mil Clay ☐

Pit Volume bbl

Below-grade tank

Volume: bbl Type of fluid:

Construction material:

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

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

Less than 50 feet

(20 points)

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 water source, or less than 1000 feet from all other water sources.)

Yes

(20 points)

No

(0 points)

0

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet

(20 points)

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) Indicate disposal location: (check the onsite box if you 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:

No facilities onsite, Oil delivered to State of NM 36-43 via underground piping

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: 8/30/06

Printed Name/Title Ms. Amy Mackey, Production Technician

Signature Amy Mackey

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 of **OIL & GAS INSPECTOR, DIST. 4**

Printed Name/Title Brandon Penell

Signature Brandon Penell

Date: AUG 30 2006

CLIENT: _____	ENVIROTECH INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	LOCATION NO: _____ C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>State of NM</u> 36 WELL #: <u>44</u> PIT: <u>earl</u> QUAD/UNIT: <u>SE/SE</u> SEC: <u>36</u> TWP: <u>24 N</u> RNG: <u>8W</u> PM: <u>NMPM</u> CNTY: <u>San Juan</u> ST: <u>NM</u> QTR/FOOTAGE: _____ CONTRACTOR: _____	DATE STARTED: <u>7/18/06</u> DATE FINISHED: <u>7/18/06</u> ENVIRONMENTAL SPECIALIST: <u>GWC</u>
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EXCAVATION APPROX. <u>23</u> FT. x <u>12</u> FT. x <u>12</u> FT. DEEP.	CUBIC YARDAGE: <u>124</u>	
DISPOSAL FACILITY: <u>Envirotech LF #2</u> REMEDIATION METHOD: <u>CF</u>		
LAND USE: _____ LEASE: _____ FORMATION: _____		

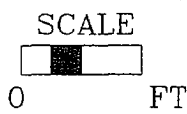
FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>100</u> FT. <u>180°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>450</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>200</u> NMOCB RANKING SCORE: <u>40</u> NMOCB TPH CLOSURE STD: <u>100</u> PPM
SOIL AND EXCAVATION DESCRIPTION: CHECK ONE: ☒ PIT ABANDONED ☐ STEEL TANK INSTALLED	

Approximately 124 cubic yard of contaminated soil was excavated
 And hauled to Envirotech's Landfarm #2.

No facilities onsite, oil delivered to St. of NM 36-43

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0944	Wall composite		5.0	20	4	.0015	10.4
0946	bottom composite		5.0	20	4	.006	41.6



PIT PERIMETER

OVN RESULTS

PIT PROFILE

	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SAMPLE ID</th><th>FIELD HEADSPACE PID (ppm)</th></tr> <tr><td>1 wall</td><td>0</td></tr> <tr><td>2 bottom</td><td>0</td></tr> <tr><td>3</td><td></td></tr> <tr><td>4</td><td></td></tr> <tr><td>5</td><td></td></tr> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 wall	0	2 bottom	0	3		4		5								
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TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS QUALITY ASSURANCE REPORT

Client:	Elm Ridge Resources	Project #:	03056-040-044
Sample ID:	QA/QC	Date Reported:	7/19/2006
Laboratory Number:	01-24-TPH.QA/QC	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	1/24/2005
Preservative:	N/A	Date Extracted:	1/24/2005
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	05-22-04	1/24/2005	1,735	1,695	2.3%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	5.0

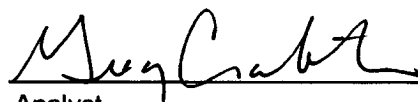
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	2,471	2,352	4.8%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	2,471	2,000	5,030	112.5%	80 - 120%

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: QA/QC for State of NM 36-44


Analyst


Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Elm Ridge Resources	Project #:	03056-040-044
Sample No.:	1	Date Reported:	7/19/2006
Sample ID:	Bottom Composite @ 12' BGS	Date Sampled:	7/18/2006
Sample Matrix:	Soil	Date Analyzed:	7/18/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

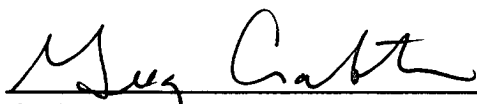
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	41.6	5.0
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ND = Parameter not detected at the stated detection limit.

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

Comments: State of NM 36-44



Analyst



Review

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Elm Ridge Resources	Project #:	03056-040-044
Sample No.:	2	Date Reported:	7/19/2006
Sample ID:	Wall Composite	Date Sampled:	7/18/2006
Sample Matrix:	Soil	Date Analyzed:	7/18/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	10.4	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 of NM 36-44


Analyst


Review

ENVIROTECH INC.

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

Bill of Lading

MANIFEST #

25870

DATE 8/15/06 JOB # 03056-DLD-044

DATE 8/15/06 JOB # 03056-DLD-044

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Elm Ridge State of N.M. 36-44	LF2	Cont Soil	J-17	10		Franks	1	8:05	L.S.
2	State of N.M. 36-44	LF2	Cont Soil	J-17	10		Franks	2	8:10	E.C.
3	State of N.M. 36-44	LF2	Cont Soil	J-17	10		Franks	1	9:58	L.S.
4	State of N.M. 36-44	LF2	Cont Soil	J-17	10		Franks	2	10:00	E.C.
5	State of N.M. 36-44	LF2	Cont Soil	J-17	10		Franks	1	11:40	L.S.
6	State of N.M. 36-44	LF2	Cont Soil	J-17	10		Franks	2	11:50	E.C.
7	State of N.M. 36-44	LF2	Cont Soil	J-17	10		Franks	1	1:20	L.S.
8	State of N.M. 36-44	LF2	Cont Soil	J-17	10		Franks	2	1:25	E.C.
9	State of N.M. 36-44	LF2	Cont Soil	J-18	10		Franks	1	3:35	L.S.
10	State of N.M. 36-44	LF2	Cont Soil	J-18	10		Franks	2	3:45	E.C.
					100		ENTERED AUG 17 2003			
							24992			

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Jason Holden

COMPANY Envirotech

SIGNATURE

COMPANY CONTACT

PHONE

DATE _____

8/15/06