

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

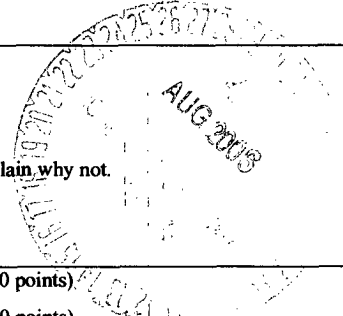
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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: <u>Elm Ridge Resources</u> Telephone: <u>(505) 632-3476</u> e-mail address: <u>amackey1@elmridge.net</u>		
Address: <u>P.O. Box 156, Bloomfield, New Mexico, 87413</u>		
Facility or well name: <u>State of New Mexico No. 36-14</u> API #: <u>3004525273</u> U/L or Qtr/Qtr <u>M</u> Sec <u>36</u> T <u>24N</u> R <u>8W</u>		
County: <u>San Juan</u> Latitude <u>36.265731</u> Longitude <u>-107.63952</u> 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) 10	
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) 0	
Ranking Score (Total Points) 10		

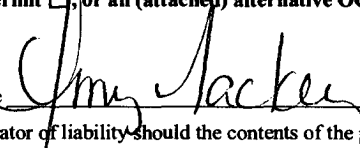
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☒ If offsite, name of facility Envirotech Landfarm #2. (3) Attach a general description 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:
Pit located at the State of NM 36-14 location, but Tank battery receives oil from the State of NM 36-24 (API #30-045-25274) also.
Approximately 742 cubic yards of contaminated soil was transported to Envirotech's Landfarm #2 for disposal

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 

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

Signature 

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 36</u> WELL #: <u>14</u> PIT: <u>Sep</u> QUAD/UNIT: <u>M1</u> SEC: <u>36</u> TWP: <u>24N</u> RNG: <u>8W</u> PM: <u>NN/PM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>790 S 790 W</u> CONTRACTOR: _____	DATE STARTED: <u>7/13/06</u> DATE FINISHED: <u>7/13/06</u> ENVIRONMENTAL SPECIALIST: <u>GWC</u>
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EXCAVATION APPROX. <u>37</u> FT. x <u>32</u> FT. x <u>20</u> FT. DEEP.	CUBIC YARDAGE: <u>696 742</u>	
DISPOSAL FACILITY: <u>Envirotech LF# 2</u> REMEDIATION METHOD: <u>Landfarm</u>		
LAND USE: <u>grazing</u> LEASE: _____ FORMATION: _____		

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>110'</u> FT. <u>210°</u> FROM WELLHEAD.	
DEPTH TO GROUNDWATER: <u>>100</u>	NEAREST WATER SOURCE: <u>>1,000</u>	NEAREST SURFACE WATER: <u>200-1000</u>
NMOCB RANKING SCORE: <u>10</u>	NMOCB TPH CLOSURE STD: <u>1,000</u> PPM	
SOIL AND EXCAVATION DESCRIPTION: _____ CHECK ONE : ☐ PIT ABANDONED ☒ STEEL TANK INSTALLED		

SCALE

0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
<u>See Method 418.1 Analysis</u>							

PIT PROFILE

x - bottom sample
o - wall sample

PIT PERIMETER

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	
2	
3	
4	
5	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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Method 418.1 Analysis Log Total Petroleum Hydrocarbons

Date 7/13/06

Analyst G. Crabtree

Location STATE of NM 36-14436-24

Instrument Infracal

Job No. 03056-040-042 "

Sample No.	Sample Description	Sample Wt. (g)	Volume Freon (mL)	Dilution Factor	Abs. Reading	TPH (mg/kg)	OVM (mg/kg)
1	Bottom @ 20'	5.0	20	4	19	76	11
2	South Wall Composite	5.0	20	4	107	428	18
3	EAST WALL comp.	5.0	20	4	2	8	2
4	WEST WALL Composite	5.0	20	4	29	116	4
5	NORTH WALL Composite	5.0	20	4	0	ND	0

Infrared Spectrophotometer Calibration

New Freon _____

Date Standards Prepared _____

Standard Concentration (mg/L)	Absorbance
100	_____
200	<u>235</u>
500	_____
1000	_____

I-CAL RF: _____

C-CAL RF: _____

RSD: _____ %

% Difference: _____ %

QA/QC Acceptance Criteria: I-CAL RSD +/- 20%

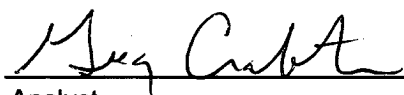
C-Cal Difference +/- 10%

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 13-Jul-06

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	235
	200	
	500	
	1000	

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


Analyst

7/14/06
Date


Review

14-July-06
Date

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Elm Ridge Resources	Project #:	03056-040-042
Sample No.:	1	Date Reported:	7/14/2006
Sample ID:	Composite sample of bottom of pit	Date Sampled:	7/13/2006
Sample Matrix:	Soil	Date Analyzed:	7/13/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

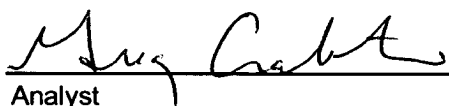
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	76.0	5.0

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 of NM 36-14**

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


Analyst


Review

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Elm Ridge Resources	Project #:	03056-040-042
Sample No.:	2	Date Reported:	7/14/2006
Sample ID:	South wall sample	Date Sampled:	7/13/2006
Sample Matrix:	Soil	Date Analyzed:	7/13/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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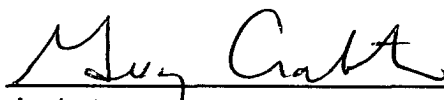
Total Petroleum Hydrocarbons	428.0	5.0
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ND = Parameter not detected at the stated detection limit.

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

Comments: **State of NM 36-14**

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 #:	03056-040-042
Sample No.:	2	Date Reported:	7/14/2006
Sample ID:	East wall sample	Date Sampled:	7/13/2006
Sample Matrix:	Soil	Date Analyzed:	7/13/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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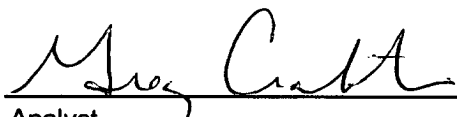
Total Petroleum Hydrocarbons	8.0	5.0
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ND = Parameter not detected at the stated detection limit.

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

Comments: **State of NM 36-14**

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 #:	03056-040-042
Sample No.:	2	Date Reported:	7/14/2006
Sample ID:	West wall sample	Date Sampled:	7/13/2006
Sample Matrix:	Soil	Date Analyzed:	7/13/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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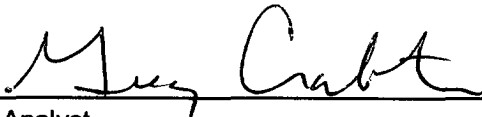
Total Petroleum Hydrocarbons	116.0	5.0
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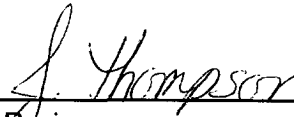
ND = Parameter not detected at the stated detection limit.

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

Comments: **State of NM 36-14**

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 #:	03056-040-042
Sample No.:	2	Date Reported:	7/14/2006
Sample ID:	North wall sample	Date Sampled:	7/13/2006
Sample Matrix:	Soil	Date Analyzed:	7/13/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

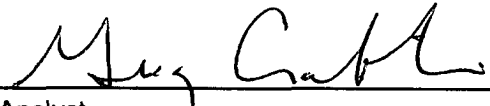
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	ND	5.0

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 of NM 36-14**

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



Analyst



Review

Bill of Lading

MANIFEST #

25593

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

DATE _____

JOB #

2004-042

[illegible]

"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 Roy Johnson

COMPANY Envirotech

SIGNATURE

And then

COMPANY CONTACT

PHONE

DATE 7/14/08

san juan reproduction 578-126

Bill of Lading

MANIFEST # 25604

25604

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

DATE 7/17/06

JOB # 03

[illegible]

"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

Jason: Hobbs

COMPANY CONTACT

PHONE

DATE _____

7016116

san juan reproduction 578-126

Bill of Lading

MANIFEST #

DATE 7/18/06

JOB # 63056-040-

COMPLETE DESCRIPTION OF SHIPMENT

TRANSPORTING COMPANY

ENTERED JUL 19 2006

NAME Jasola Holden

COMPANY Envirotech

SIGNATURE

COMPANY CONTACT
san juan reproduction 578-126

PHONE

DATE _____

7/18/06

DATE 7/20/06 JOB # 03056-040-042

[illegible]

"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 enurafotech

SIGNATURE

COMPANY CONTACT

PHONE

DATE _____

san juan reproduction 578-126

24309

Bill of Lading

MANIFEST #

25650

Elm Ridge

DATE 7 26-06 JOB # 03056-040-042

ENTERED JUL 2 2006
 "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 location, Generator, and that no additional materials have been added."
 NAME L. Candenas COMPANY Enviro Tech SIGNATURE [Signature] DATE 7-26-06
 COMPANY CONTACT [Signature] PHONE [Signature]
 san juan reproduction 578-126

"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 L. Candias COMPANY Enviro Tech SIGNATURE [Signature] DATE 7-26-06
 COMPANY CONTACT _____ PHONE _____
 san juan reproduction 578-126

MANIFEST

JOB # 63056-6510-16

DATE 27-06

DATE 7-27-06

Bill of Lading

25741

DATE 6-1-06

JOB #

JOB # 0356-010-012

011002 080717C

NAME Jim Cardenas

COMPANY Survortech

SIGNATURE

DATE 8-7-06

PHONE

COMPANY CONTACT
san juan reproduction 578-126

Bill of Lading

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

MANIFEST #

DATE 9.2.06

JOB # 03056-040-042

[illegible]

"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 Jim CARDENAS

COMPANY Union Tech H

SIGNATURE _____

COMPANY CONTACT

PHONE

DATE 8-2-06

san juan reproduction 578-126

ENVIROTECH INC.

Bill of Lading

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

25752

MANIFEST #

DATE 7/28/06

JOB # 056-00-002

[illegible]

"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 Wesley

COMPANY 1201 6th St NW

SIGNATURE

COMPANY CONTACT
san juan reproduction 578-126

PHONE

DATE 7/20/06

RECEIVED JUL 31 2006

Bill of Lading

25764

MANIFEST #

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

DATE 7-31-66 JOB # 03056640-02B

ENTERED AUG 11 2005

"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 Jim Coadras COMPANY EnviroTech SIGNATURE Jim Coadras

COMPANY CONTACT

PHONE

DATE 7/3/06

Bill of Lading

25854

MANIFEST #

DATE 8/9/06 JOB # 03056-040-042

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

[illegible]

"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

Jason Holden
8/9/06

COMPANY CONTACT
san juan reproduction 578-126

PHONE

DATE:

Bill of Lading

MANIFEST #

DATE 8/10/06 JOB # 03056-040-042

ENTERED AUG 16 2006

8/10/06

③