

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: #20 CR 5060, Bloomfield, New Mexico, 87413
Facility or well name: Jicarilla Apache "F" No. 9 API #: 3003905996 U/L or Qtr/Qtr P Sec 16 T 25N R 5W
County: Rio Arriba Latitude 36.395844 Longitude -107.36007 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: 40 bbl Type of fluid:
Construction material: Fiberglass
Double-walled, with leak detection? Yes ☐ If not, explain why not.
No, Tank in Place prior to rule 50

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)	0
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)	10
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:

Approximately 20 cubic yards of contaminated soil was excavated and hauled to Envirotech's NMOCD permitted landfarm for remediation.

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: 9/21/06

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.

DEPUTY OIL & GAS INSPECTOR, DIST. IV

Approval:

Printed Name/Title _____

Signature Bob Pell

Date: SEP 26 2006

CLIENT: _____	ENVIROTECH INC. <small>ENVIRONMENTAL SCIENTISTS & ENGINEERS 5798 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 832-6815</small>	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>J. Apache F</u> WELL #: <u>9</u> PIT: <u>Sep</u> QUAD/UNIT: <u>SE SE</u> SEC: <u>16</u> TWP: <u>25N</u> RNG: <u>SW</u> PM: <u>NM/M</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: _____ CONTRACTOR: <u>Franks</u>	DATE STARTED: <u>8/11/00</u> DATE FINISHED: <u>8/11/00</u> ENVIRONMENTAL SPECIALIST: <u>GWC</u>
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EXCAVATION APPROX <u>13</u> FT. x <u>16</u> FT. x <u>5</u> FT. DEEP.	CUBIC YARDAGE: <u>20</u>
DISPOSAL FACILITY: <u>Envirotech LF#2</u> REMEDIATION METHOD: <u>Landfarm</u>	
LAND USE: _____ LEASE: _____ FORMATION: _____	

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>100'</u> FT. <u>265°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>200-1000</u> NMOC D RANKING SCORE: <u>10</u> NMOC D TPH CLOSURE STD: <u>\$,000</u> PPM
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SOIL AND EXCAVATION DESCRIPTION:	CHECK ONE: <input type="checkbox"/> PIT ABANDONED <input checked="" type="checkbox"/> STEEL TANK INSTALLED
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Fiberglass tank overflows during heavy rain, tank was replaced with Steel AST (500184) 40001 7'diam 5' height

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
	Bottom 24'		5.0	20	4	170	688
	Walls comp		5.0	20	4	151	604

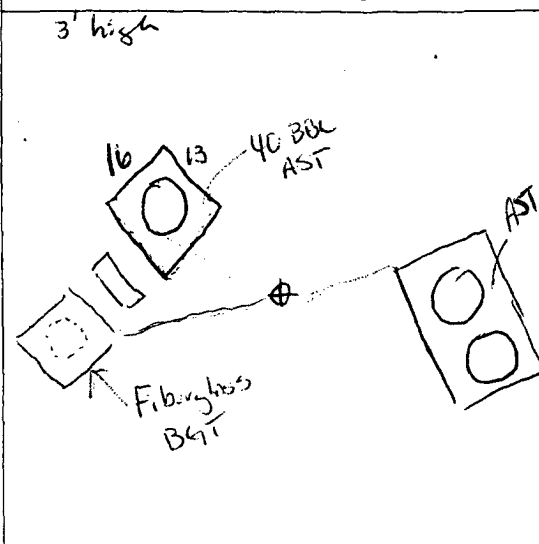
SCALE

 0 FT

PIT PERIMETER

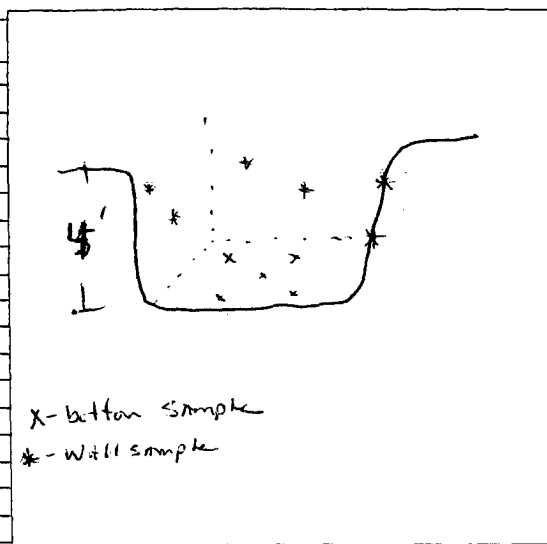
OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE P10 (ppm)
1 Bottom	10
2 Walls	7
3	
4	
5	

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Elm Ridge Resources	Project #:	03056-040-048
Sample No.:	1	Date Reported:	8/21/2006
Sample ID:	Bottom Composite at 4' BGS	Date Sampled:	8/11/2006
Sample Matrix:	Soil	Date Analyzed:	8/11/2006
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	680	5.0
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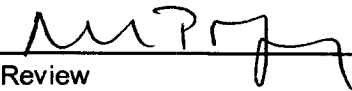
ND = Parameter not detected at the stated detection limit.

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

Comments: **Jicarilla Apache "F" No. 9**

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


Analyst


Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Elm Ridge Resources	Project #:	03056-040-048
Sample No.:	2	Date Reported:	8/21/2006
Sample ID:	Wall Composite	Date Sampled:	8/11/2006
Sample Matrix:	Soil	Date Analyzed:	8/11/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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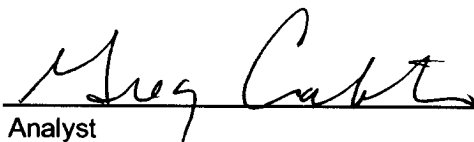
Total Petroleum Hydrocarbons	604	5.0
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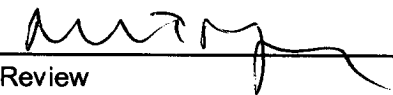
ND = Parameter not detected at the stated detection limit.

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

Comments: **Jicarilla Apache "F" No. 9**

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


Analyst

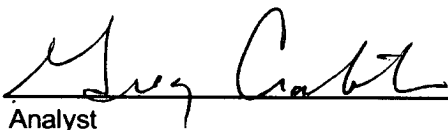

Review

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

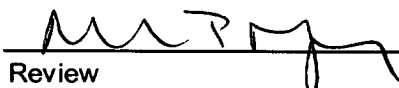
Cal. Date: 11-Aug-06

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	208
	200	
	500	
	1000	

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


Analyst

8/12/06
Date


Review

9/12/06
Date

25933

Bill of Lading

MANIFEST #

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

DATE 8/24/06 JOB # 03056640-048

[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

COMPANY CONTACT

PHONE

DATE

8/24/06

ENTERED AUG 28 2006

25152

RECEIVED AUG 2 8 2006