

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

Form C-144
June 1, 2004

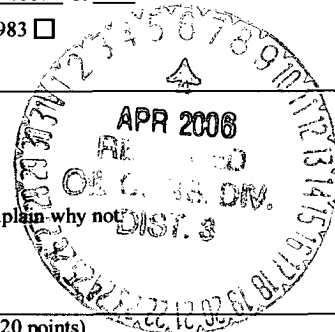
For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

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>#20 CR 5060, Bloomfield, New Mexico, 87413</u>		
Facility or well name: <u>Lybrook South No. 1</u> API #: <u>3003924537</u> U/L or Qtr/Qtr <u>B</u> Sec <u>14</u> T <u>23N</u> R <u>7W</u>		
County: <u>Rio Arriba</u> Latitude <u>36.230750</u> Longitude <u>-107.541600</u> NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>		
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Below-grade tank Volume: _____ bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes <input type="checkbox"/> 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 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (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 No	(20 points) (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 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (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:
<u>Approximately 20 cubic yards of contaminated soil was hauled to Envirotech's Landfarm #2 from the tank battery pit</u>

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 <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	
Date: <u>4-4-06</u>	Signature: <u>[Signature]</u>
Printed Name/Title <u>Ms. Amy Mackey, Production Technician</u>	
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: <u>[Signature]</u>	Date: <u>APR 06 2006</u>
Printed Name/Title _____	

CLIENT: _____	ENVIROTECH INC. <small>ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615</small>	LOCATION NO: _____ C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>Lybrook South #</u> WELL #: <u>1</u> PIT: <u>TB</u> QUAD/UNIT: <u>B</u> SEC: <u>14</u> TWP: <u>23</u> RNG: <u>7</u> PM: <u>NMPM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: _____ CONTRACTOR: _____		DATE STARTED: <u>2/14/06</u> DATE FINISHED: <u>2/14/06</u> ENVIRONMENTAL SPECIALIST: <u>GWC</u>

EXCAVATION APPROX. <u>14</u> FT. x <u>13</u> FT. x <u>8</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>150</u> FT. <u>120°</u> FROM WELLHEAD.		
DEPTH TO GROUNDWATER: <u>50-100</u>	NEAREST WATER SOURCE: <u>>1000</u>	NEAREST SURFACE WATER: <u>>1000</u>
NMCD RANKING SCORE: <u>10</u>	NMCD TPH CLOSURE STD: <u>1000</u> PPM	
SOIL AND EXCAVATION DESCRIPTION: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> CHECK ONE : <input type="checkbox"/> PIT ABANDONED <input checked="" type="checkbox"/> STEEL TANK INSTALLED </div>		

Approximately 20 yd³ of contaminated soil was excavated and hauled to Envirotech's NMCD permitted Landfarm #2

SCALE

0 FT

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1115	Bottom		5.0	20	4	229	916
1120	Sides		5.0	20	4	246	984
1127	Excavated		5.0	20	40	140	6,800

PIT PERIMETER

OVN RESULTS

PIT PROFILE

	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1 Bottom</td><td>4</td></tr> <tr><td>2 Sides</td><td>23</td></tr> <tr><td>3 excavated</td><td>42</td></tr> <tr><td>4</td><td></td></tr> <tr><td>5</td><td></td></tr> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 Bottom	4	2 Sides	23	3 excavated	42	4		5		<p>X - bottom sample * wall sample</p>			
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5																	
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TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Elm Ridge Resources	Project #:	03056-040-024
Sample No.:	1	Date Reported:	2/15/2006
Sample ID:	Composite bottom sample at 8'	Date Sampled:	2/14/2006
Sample Matrix:	Soil	Date Analyzed:	2/14/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	916.0	5.0

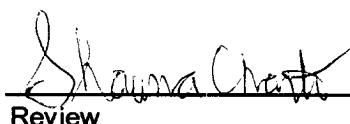
ND = Parameter not detected at the stated detection limit.

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

Comments: **Lybrook South #1 Tank Battery Pit**

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 #:	03056-040-024
Sample No.:	2	Date Reported:	2/15/2006
Sample ID:	Composite Wall Sample	Date Sampled:	2/14/2006
Sample Matrix:	Soil	Date Analyzed:	2/14/2006
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	984.0	5.0
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ND = Parameter not detected at the stated detection limit.

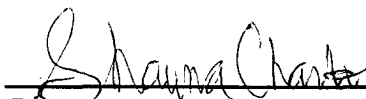
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook South #1 Tank Battery Pit**

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



Analyst



Review