

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

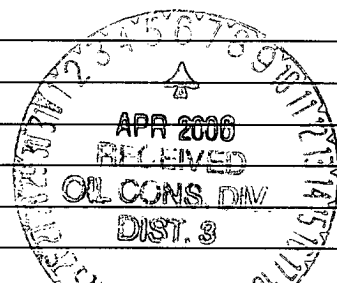
Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

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>#20 CR 5060, Bloomfield, New Mexico, 87413</u>		
Facility or well name: <u>Apache No. 12-R</u> API #: <u>3003925610</u> U/L or Qtr/Qtr <u>P</u> Sec <u>17</u> T <u>24N</u> R <u>5W</u>		
County: <u>Rio Arriba</u> Latitude <u>36.307617</u> Longitude <u>-107.378500</u> NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>		
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input checked="" 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: <u>20</u> bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. 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 _____. (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:
Soil beneath tank tested clean, no further excavation required
Approximately 20 cubic yards of tank sludge mixed with soil for stabilization was hauled to Envirotech's Landfarm #2 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: 4/4/06
Printed Name/Title Ms. Amy Mackey, Production Technician Signature [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.

DEPUTY OIL & GAS INSPECTOR, DIST. 3
Approval: [Signature] Printed Name/Title _____ Signature _____ Date: APR 06 2006

CLIENT: Elm Ridge

ENVIROTECH INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

LOCATION NO: _____
C.D.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: Apache WELL #: 12R PIT: Sep
QUAD/UNIT: P SEC: 17 TWP: 24 N RNG: 5W PM: NMPM CNTY: RA ST: NM
QTR/FOOTAGE: _____ CONTRACTOR: _____

DATE STARTED: 3/9/06
DATE FINISHED: 3/9/06
ENVIRONMENTAL SPECIALIST: GWC

EXCAVATION APPROX. 0 FT. x 0 FT. x 0 FT. DEEP. CUBIC YARDAGE: 0
DISPOSAL FACILITY: N/A REMEDIATION METHOD: N/A
LAND USE: Grazing LEASE: _____ FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 75 FT. 48" FROM WELLHEAD.
DEPTH TO GROUNDWATER: 0 NEAREST WATER SOURCE: 0 NEAREST SURFACE WATER: 10
NMOCB RANKING SCORE: 10 NMOCB TPH CLOSURE STD: 1,000 PPM
SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE:
☐ PIT ABANDONED
☒ STEEL TANK INSTALLED

Soil tested clean, no soil remediation
Approximately 20 cubic yards of ^{tank sludge mixed with} soil was hauled to Envirotech's Landfarm #2. Tank Sludge was mixed with soil for stabilization prior to transport.

SCALE
0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1	Bottom		5.0	20	4	19	76

PIT PERIMETER

OVM RESULTS

PIT PROFILE

75' @ 48"

AST

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

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

6'

x - bottom sample

TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Elm Ridge Resources	Project #:	03056-040-028
Sample No.:	1	Date Reported:	3/9/2006
Sample ID:	Composite sample of bottom at 6'	Date Sampled:	3/9/2006
Sample Matrix:	Soil	Date Analyzed:	3/9/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

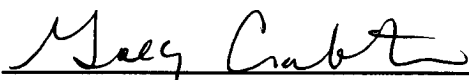
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	76.0	5.0

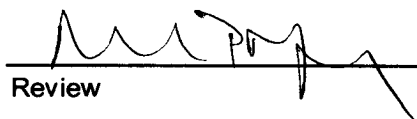
ND = Parameter not detected at the stated detection limit.

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

Comments: **Apache No. 12-R**

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 #:	03056-040-028
Sample No.:	2	Date Reported:	3/9/2006
Sample ID:	Excavated Material	Date Sampled:	3/9/2006
Sample Matrix:	Soil	Date Analyzed:	3/9/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1,180.0	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-R**

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

Analyst

Review