

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: Martin Whittaker No. 57 API #: 3003923511 U/L or Qtr/Qtr C Sec 5 T 23N R 5W  
County: Rio Arriba Latitude 36.259389 Longitude -107.38687 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: 20 bbl Type of fluid: Produced Water and Incidental Oil

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)

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:

Maximum reasonable extent of excavation reached a 4' BGS at sandstone layer

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: 7/13/06

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: DEPUTY OIL & GAS INSPECTOR, DIST. IV

Printed Name/Title Brandon Powell

Signature Brandon Powell

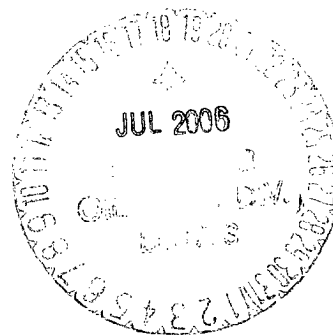
Date: JUL 18 2006



CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Cal. Date: 25-May-06

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	218
	200	
	500	
	1000	



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

Greg Crabtree  
Analyst

5/26/06  
Date

Shanna Chab  
Review

5-26-06  
Date

**EPA METHOD 418.1**  
**TOTAL PETROLEUM**  
**HYDROCARBONS**

Client:	Elm Ridge Resources	Project #:	03056-040-039
Sample No.:	1	Date Reported:	5/25/2006
Sample ID:	Composite sample of bottom at 4'	Date Sampled:	5/25/2006
Sample Matrix:	Soil	Date Analyzed:	5/25/2006
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

276

## 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: Martin Whittaker No. 57**

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

Mary Craft  
Analyst

Shawn Clark  
Review

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Elm Ridge Resources	Project #:	03056-040-039
Sample No.:	2	Date Reported:	5/25/2006
Sample ID:	Composite sample of walls	Date Sampled:	5/25/2006
Sample Matrix:	Soil	Date Analyzed:	5/25/2006
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

56.0

5.0

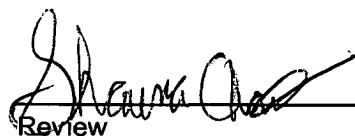
ND = Parameter not detected at the stated detection limit.

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

Comments: **Martin Whittaker No. 57**

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 #:	03056-040-039
Sample No.:	3	Date Reported:	5/25/2006
Sample ID:	Composite sample of excavated Material	Date Sampled:	5/25/2006
Sample Matrix:	Soil	Date Analyzed:	5/25/2006
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**

**5,800**

**50.0**

ND = Parameter not detected at the stated detection limit.

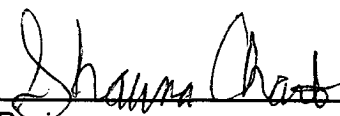


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Analyst

  
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Review