

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. 14 API #: 3003921372 U/L or Qtr/Qtr G Sec 18 T 25N R 5W  
County: Rio Arriba Latitude 36.40244 Longitude -107.39786 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)

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       . (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 tested clean, no soil remediation required

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: 10/16/06

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:

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. III

Signature Brampton Parrell

Date:

OCT 18 2006

J.A. F<sup>#</sup> 14

5735 U.S. HIGHWAY 84-3014  
FARMINGTON, NEW MEXICO 87401  
PHONE: (505) 883-0815

## FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: Jicarilla Apache F WELL #: 14 PIT: Sep

DATE STARTED. 9/26/06

QUAD/UNIT: G SEC: 18 TWP: 25N RNG: 5W PM: NM/PM1 CNTY: <sup>RIS</sup>Ariz ST: NM

DATE FINISHED: 9/26/06

QTR/FOOTAGE:

CONTRACTOR: *Franks*

ENVIRONMENTAL SPECIALIST: GWC

EXCAVATION APPROX 0 FT. x 0 FT. x 0 FT. DEEP. CUBIC YARDAGE: 0

DISPOSAL FACILITY: N/A REMEDIATION METHOD: \_\_\_\_\_

LAND USE: GRAZING/RANGE LEASE: \_\_\_\_\_ FORMATION: Basin Dakota

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 78 FT. 140' FROM WELLHEAD

DEPTH TO GROUNDWATER: ~50      NEAREST WATER SOURCE: > 1,000      NEAREST SURFACE WATER: <200

NMOC Ranking Score: 40 NMOC TPH Closure Std: 100 PPM

CHECK ONE :

SOIL AND EXCAVATION DESCRIPTION:

PIT ABANDONED

X STEEL TANK INSTALLED


Soil tested clean, no visible signs of contamination, no odor

Fiberglass tank replaced with 95 BBL (S/N 500210) 12' diam 5' depth

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
	Bottom 5' BG 5		5.0	20	4	13	52

SCALE



PIT PERIMETER

## OVM RESULTS

# PIT PROFILE

[illegible]

TRAVEL NOTES:

CALLOUT:

ONSITE:

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Elm Ridge Resources	Project #:	03056-040-053
Sample No.:	1	Date Reported:	9/29/2006
Sample ID:	Discrete Sample 3' Below BGT	Date Sampled:	9/26/2006
Sample Matrix:	Soil	Date Analyzed:	9/26/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

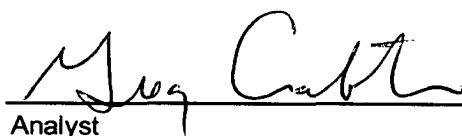
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	52.0	5.0

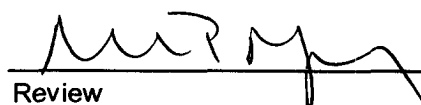
ND = Parameter not detected at the stated detection limit.

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

Comments: Jicarilla Apache "F" No. 14

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

  
Analyst

  
Review

CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

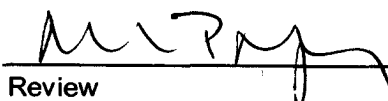
Cal. Date: 26-Sep-06

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	207
	500	
	1000	

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

  
\_\_\_\_\_  
Analyst

9/29/06  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Review

10/2/06  
\_\_\_\_\_  
Date