DISTRICT 1
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 For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office.

Form C-144 June 1, 2004

Pit or Below-Grade Tank Registration or Closure

	or below-grade tank \(\bigcap\) Closure of a pit or below-		
Operator: Elm Ridge Resources Telephone: (505) 632-34	e-mail address: amackeyl@eli	mridge.net	_
Address: #20 CR 5060, Bloomfield, New Mexico, 87413			7617187030
	554		S. C. C. C.
	Longitude107.485600 NAD: 192	7 🛛 1983 🗆 💍	anne E
Surface Owner: Federal State Private Indian		The state of the s	MAR COOLD
<u>Pit</u>	Below-grade tank	100 18	IAR 2006 COMBT. S
Type: Drilling ☐ Production ☒ Disposal ☐	Volume:bbl Type of fluid:	to Oth	MIST. S
Workover Emergency	Construction material:		
Lined Unlined 🗵	Double-walled, with leak detection? Yes 🔲 II	not, explain why not.	# 0 31 1 11 S DE 200 1
Liner type: Synthetic Thicknessmil Clay _		~	C. C. Mich
Pit Volumebbl			
Depth to ground water (vertical distance from bottom of pit to seasonal	Less than 50 feet	(20 points)	
high water elevation of ground water.)	50 feet or more, but less than 100 feet	(10 points)	10
	100 feet or more	(0 points)	10
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)	•
water source, or less than 1000 feet from all other water sources.)	No	(0 points)	0
	Less than 200 feet	(20 points)	
Distance to surface water: (horizontal distance to all wetlands, playas,	200 feet or more, but less than 1000 feet	(10 points)	
irrigation canals, ditches, and perennial and ephemeral watercourses.)	1000 feet or more	(0 points)	0
	Todo rect of more	(v points)	10
	Ranking Score (Total Points)		
If this is a pit closure: (1) Attach a diagram of the facility showing the pit your are burying in place) onsite ☐ offsite ☐ If offsite, name of facility date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth be (5) Attach soil sample results and a diagram of sample locations and excave	. (3) Attach a general description of remedial allow ground surfaceft. and attach sa	action taken including ren	
Additional Comments:			
Additional Comments: Soil tested clean, no soil remediation required			
Soil tested clean, no soil remediation required		that the above described	
I hereby certify that the information above is true and complete to the beshas been/will be constructed or closed according to NMOCD guideling			
I hereby certify that the information above is true and complete to the beshas been/will be constructed or closed according to NMOCD guideling Date:	nes 🗌, a general permit 🗍 or an (attached) alto		
I hereby certify that the information above is true and complete to the beshas been/will be constructed or closed according to NMOCD guideling Date: Amy Mackey, Production Technician Date:	nes 🗆, a general permit 🗖 Jor an (attached) alto	ernative OCD-approved	plan .
I hereby certify that the information above is true and complete to the beshas been/will be constructed or closed according to NMOCD guideling Date:	Signature Mulatility should the control of liability should th	ernative OCD-approved	plan
I hereby certify that the information above is true and complete to the bes has been/will be constructed or closed according to NMOCD guideling Date: Ms. Amy Mackey, Production Technician Your certification and NMOCD approval of this application/closure does otherwise endanger public health or the environment. Nor does it relieve	Signature Mulatility should the control of liability should th	ernative OCD-approved	plan □. Itaminate ground wa

CLIENT: Flm Ridge		ENVIRONMEN 5796	IROTECI TIAL SCIENTISTS U.S. HIGHWAY GTON, NEW ME	& ENGINEERS 64-3014]:
FIELD REPORT	Γ:	PHO	ONE: (505) 632	-0615	ATION	PAGE	No:	<u> </u>
LOCATION: NAME: Federal QUAD/UNIT: SEC: QTR/FOOTAGE:				NMOW CNTY		DATE	STARTED: _ FINISHED: _ INMENTAL LIST:	21/4/06
DISPOSAL FACILITY:	EXCAVATION APPROX FT. x FT. DEEP. CUBIC YARDAGE: 6 DISPOSAL FACILITY: H/A REMEDIATION METHOD: H/A LEASE: SF-078359 FORMATION: Gallup Dako ha							
FIELD NOTES & REMARK DEPTH TO GROUNDWATER 50 100	NEAR	REST WATER SE	URCE: 7 /6	100 N		ACE WATE	R: >100	<u>د</u>
NMOCD RANKING SCORE: 10 SOIL AND EXCAVATION	DESC	CRIPTION				PIT	CK DN ABANDON L TANK	
Soil tester clean, no soil remodiation requires								
	TIME	SAMPLE I.D.		D 418.1 CAL WEIGHT (g)		DILUTION	READING	CALC. ppm
SCALE	1415	Botton		5,0	20	4	1	4
	1426	Exercition 1		5.0	20	4	138	552
O FT PERIME	TFR	1	OVM	<u> </u>	ווסן	' PR	OFILE	
	1111	SAMPL	RESULT		1 1 1	1 10	OI ILL	
1 Paten O 2 Exervatio 9 3 4 5 LAB SAMPLES SAMPLE ANALYSIS TIME								
TRAVEL NOTES: CALLOUT:			0	NSITE:				

.



Method 418.1 Analysis Log Total Petroleum Hydrocarbons

Date	2/14/06	Analyst	6. Construc
Location	Federal & No 1	_Instrument	
Job No.	03056-040-025		

Sample No.	Sample Description	Sample Wt. (g)	Volume Freon (mL)	Dilution Factor	Abs. Reading	TPH (mg/kg)	OVM (mg/kg)
!	5 point composite of bottom Q4	5.0	20	4	l	4	O
2	composite of excavated innterval	5.0	20	4	/38	552	9
		•					

Infrared Spectrophotometer Calibration

New Fred	on		
Date Standards Prepare	ed	_	
Standard Concentration (mg/L)	Absorbance		
100			
200	<u> </u>		
500			
1000			
CAL RF:	<u> </u>	C-CAL RF:	
RSD:	%	% Difference:	%
A/QC Acceptance Criteria: I-CAL I	RSD +/- 20%	C-Cal Difference +/- 10%	_



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Elm Ridge Resources

Project #:

03056-040-025

Sample No.:

1

Date Reported:

2/14/2006

Sample ID:

Composite sample of bottom at 4'

Date Sampled:

2/15/2006

Sample Matrix:

Soil Cool Date Analyzed:

Analysis Needed:

2/15/2006 TPH-418.1

Preservative: Condition:

Cool and Intact

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

ND

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:

Federal 8 No. 1

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 #:

03056-040-025

Sample No.:

Date Reported:

2/14/2006

Sample ID:

Composite sample of Excavated Materia Date Sampled:

2/15/2006

Sample Matrix:

Soil

Date Analyzed:

2/15/2006

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

552.0

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:

Federal 8 No. 1

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