<u>District I</u> 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) 632-347 Address: #20 CR 5060, Bloomfield, New Mexico, 87413 Facility or well name: Candado No. 22 API #: 3003921	6 e-mail address: amackey1@elmrid	RELIED BY AR 2008		
Pit	Below-grade tank	- FC		
Type: Drilling ☐ Production ☑ Disposal ☐ Volume:bbl Type of fluid: Workover ☐ Emergency ☐ Clay ☐ Double-walled, with leak detection? Yes ☐ If not, explain why not. Double-walled, with leak detection? Yes ☐ If not, explain why not.				
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 100 feet or more	(10 points) (0 points) 0		
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		
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)	0		
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 your are burying in place) onsite 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:				
Approximately 10 cubic yards of contaminated soil was excavated and tran	permission of Notes permission and annual in			
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: 3-9-66 Printed Name/Title Ms. Amy Mackey, Production Technician 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.				
Approval:	Date: MAR 1 6 2006	ñ		

CLIENT: Elm Ridge	Env	IROTECH	I INC.		ПСА	TION NE]:
CLIENT: LIM MANAGE		TAL SCIENTISTS]:
	FARMIN	U.S. HIGHWAY GTON, NEW MEX DNE: (505) 632-	CCO 87401			C.D.C. INC	
FIELD REPOR'	T: CLOSU	RE VI	ERIFIC	ATION	PAGE	. No:	<u> </u>
LOCATION: NAME: CANDAD	o ZZ WELL	#: 22	PIT:			STARTED:	
QUAD/UNIT: NW/SW SEC: 4	TWP: 26 N RNG:	7₩ PM:	MIPM CNTY	RA ST: NH			1/13/14
QTR/FUDTAGE:	CONT	RACTOR:			SPECIA	NMENTAL LIST:	iwc_
EXCAVATION APPROX19	FT. x 16 F	т. х 6	FT. DEE	P. CUBIO	YAR	DAGE: _	40
DISPOSAL FACILITY: Env	-1.						1
LAND USE:							
FIELD NOTES & REMARK							\/C ; ; C A D
DEPTH TO GROUNDWATER: > ice							WELLHEAD.
NMOCD RANKING SCORE: C						ECK ON	E :
SOIL AND EXCAVATION				<u>حـ</u>		ABANDON	
SOIL AND EXCAVALION	A DESCRIPTION.			4	_ STEE	L TANK	INSTALLED
Approximately 10 yd3	01 50,1 WKS				LNV IVO	rech CA	ADIAINE S
;	TIME SAMPLE I.D.		D 418.1 CAL WEIGHT (a)	ML. FREON E	ILUTION	READING	CALC. ppm
SCALE	1235 WALL CO. MOUSITE		5,0	20	4	431	1724
	1240 Pit Bottom composition		5, v	20	4	394	1576
O FT	1645 Pile	01714	5,0	ζι	40	76	3040
PIT PERIME	TER	OVM RESULT	S	PIT	PR	OFILE	, ,
MIT MIT STATE OF THE STATE OF T	SAMPI 1 Sides 2 Auto 3 Pile 4 5	E FIELD H PHO Z-4 - 6 191 AB SAMPL	EADSPACE (ppm) SM SM BES TIME X		•	K 1	
TRAVEL NOTES: CALLOUT:		O1	NSITE:				



Method 418.1 Analysis Log Total Petroleum Hydrocarbons

Date	1/13/06		Analyst	G. Crabbren
Location	CAMOADO	22	Instrument	Infracul
Job No.	03056-040-	014	_	

Sample No.	Sample Description	Sample Wt. (g)	Volume Freon (mL)	Dilution Factor	Abs. Reading	TPH (mg/kg)
l	Pit composite Frior to excavation	5,0	20	400	448	179,200
2	Wall composite	5.0	20	4	431	1724
3	Bettern Composite 4+ 6' BGS	5,0	20	4	314	157 k
4	Exempteo material	5.0	છ	40	76	3040

Infrared Spectrophotometer Calibration

New Fred	on		
Date Standards Prepare	ed	**************************************	
Standard Concentration (mg/L)	Absorbance		
100			
200	215		
500			
. 1000			
CAL RF:		C-CAL RF:	
RSD:	%	% Difference:	%
A/QC Acceptance Criteria: I-CAL	RSD +/- 20%	C-Cal Difference +/- 10%	

=



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Elm Ridge Resources

Project #:

03056-040-014

Sample No.:

2

Date Reported:

1/16/2006

Sample ID:

Composite sample of pit walls

Date Sampled: 1/

1/13/2006

Sample Matrix:

Soil

Date Analyzed:

1/13/2006

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

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

Total Petroleum Hydrocarbons

1,720.0

20.0

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:

Candado No. 22

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 #:

03056-040-014

Sample No.:

3

Date Reported:

1/16/2006

Sample ID:

Composite sample of pit bottom @ 6'

Date Sampled:

1/13/2006

Sample Matrix:

Soil

Date Analyzed:

1/13/2006

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

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

Total Petroleum Hydrocarbons

1,580.0

20.0

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:

Candado No. 22

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

Analyst

Review