<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**

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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Pit or Relow-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes \(\sum \) No \(\sum \) Type of action: Registration of a pit or below-grade tank \(\sum \) Closure of a pit or below-grade tank \(\sum \)					
County: Rio Arriba Latitude 36.230750 L Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐	3924537 U/L or Qtr/Qtr <u>B</u> Sec <u>14</u> .ongitude <u>-107.541600</u> NAD: 1927 ☑	T_23N_R_7W_			
Pit Type: Drilling Production Disposal Workover Emergency Lined Unlined Liner type: Synthetic Thicknessmil Clay Pit Volumebbl	Below-grade tank Volume:bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes ☐ If not,	explain with not.			
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) 10			
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (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)	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 your are burying in place) onsite 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 surfaceft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.					
Additional Comments:					
Soil from the separator pit 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: 3 9 6 6 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					
Printed Name/Title Signature Cuty Lett Date:					

							<u> </u>	
CLIENT:		Ł'NV.	IROTEC	H INC.		LDCA	ATION NE]:
		ENVIRONMEN	TAL SCIENTISTS	& ENGINEERS);
		FARMIN PHO	U.S. HIGHWAY GTON, NEW ME DNE: (505) 632	XICO 67401 -0615		<u></u>		
FIELD REPOR	.T: (CLOSU	RE V	ERIFIC	CATION	PAGE	No: +	of _/
LOCATION: NAME: Lygrock	« Soutt	WELL	#: 	PIT: Sep			STARTED: _	
QUAD/UNIT: SEC:	iq TWP:	23H RNG	7w PM	NMAM CNT	Y: RA ST:HM			zligloù
QTR/FODTAGE: 1916HL	•					SPECIA	NMENTAL G	iw C
EXCAVATION APPROX	FT. x	F	T. x	FT. DE	EP. CUBIC	YAR	DAGE: _	ø
DISPOSAL FACILITY:	N/A		F	REMEDIATI			£	
LAND USE:								
FIELD NOTES & REMAR								\(\(\(\) \
DEPTH TO GROUNDWATER: 50 - 104	NEARE	ST WATER SE	URCE:	MATELT	EAREST SURFAC	E WATE	R: >100	.S
NMOCD RANKING SCORE: 10							CK ON	
SOIL AND EXCAVATION					<u>×</u>	_PIT	ABAND⊡N	ED
						_ STEE	L TANK	INSTALLED
Soil testen clem	, no soi	I remedir	rtion reg	(LIVI)				
*			FIF	ID 4181 CA	LCULATIONS			
34" 13.845 N 107° 32.496 W	TIME	SAMPLE I.D.			mL. FREON D		READING	CALC. ppm
SCALE	PP45	Bollon		5.0	20	4	35	140
	1155	MINTERIAL		5, 0	20	4	16	64
0 FT			OVM	<u></u>	חות	תת	OPILE	
PIT PERIMI	TER_		RESULT		PII	PR	OFILE	<u> </u>
1		SAMPI ID		HEADSPACE) (ppm)				
WH		1 00H 2 €⊁		0				
	}	3					(
14b 5 3 x x /								
•								
O HOT								
	O ASI	SAMPLE	AB SAMPL					
SAMPLE ANALYSIS TIME								
TRAVEL NOTES								
TRAVEL NOTES: CALLOUT: ONSITE:								

•



Method 418.1 Analysis Log Total Petroleum Hydrocarbons

Date	2/14/06	Analyst	G. Crahtree
Location	South Lybrook #1	Instrument	
Job No.	03056-040-024	_	

Sample No.	Sample Description	Sample Wt. (g)	Volume Freon (mL)	Dilution Factor	Abs. Reading	TPH (mg/kg)	OVM (mg/kg)
1	Bottom g! BGS composite	\$.0	20	4	35	140	0
٦.	Excausion Material	5,0	ಌ೦	4	16	64	0

Infrared Spectrophotometer Calibration

New Freo	n		
Date Standards Prepare	d	_	
Standard Concentration (mg/L)	Absorbance		
100			
200	188		
500			
1000			
I-CAL RF:		C-CAL RF:	
RSD:	%	% Difference:	%
QA/QC Acceptance Criteria: I-CAL R	RSD +/- 20%	C-Cal Difference +/- 10%	



EPA METHOD 418.1 TOTAL PETROLEUM **HYDROCARBONS**

Client:

Elm Ridge Resources

Project #:

03056-040-024

Sample No.:

Date Reported:

2/14/2006

Sample ID:

Composite bottom sample at 3'

Date Sampled:

2/15/2006

Sample Matrix:

Soil

Date Analyzed:

2/15/2006

Preservative: Condition:

Cool Cool and Intact Analysis Needed: TPH-418.1

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

Total Petroleum Hydrocarbons

140.0

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:

Lybrook South No. 1

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



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Elm Ridge Resources

Project #:

03056-040-024

Sample No.:

2

Date Reported:

2/14/2006

Sample ID:

Condition:

Composite sample of Excavated Materia Date Sampled:

Date campion.

Analysis Needed:

2/15/2006

Sample Matrix:

Soil Cool Date Analyzed:

2/15/2006 TPH-418.1

Preservative:

Cool and Intact

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

Total Petroleum Hydrocarbons

64.0

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:

Lybrook South No. 1

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

Analyst

Review