<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 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

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

1220 South St. Francis Dr. Santa Fe, NM 87505 Pit or Below-Grade Tank Registration or Closure

	k covered by a "general plan"? Yes X No [r below-grade tank Closure of a pit or below-grad			
Surface Owner: Federal 🛭 State 🗌 Private 🔲 Indian 🗍		<u>6N</u> R <u>7W</u>		
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,			
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)		
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)	0		
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's your are burying in place) onsite offsite If offsite, name of facility date. (4) Groundwater encountered: No Yes If yes, show depth below (5) Attach soil sample results and a diagram of sample locations and excavations.	(3) Attach a general description of remedial action w ground surfaceft. and attach sample	results.		
Additional Comments:	01041 1 4 TI 1 1 1 1 1000	AN 2006 SA		
Results of BTEX analysis by USEPA method 8021 are attached				
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 Date:	Signature Signature Signature Outrelieve the operator of liability should the contents of	of the pit or tank contaminate ground water or		
Approval: EPUTY ON A GAS INSPECTION INST. 40 Ferry Letty JAN 2 3 2006				

		ENVIROTE	TIL INC				
CLIENT: Elm Ridge	į	LIVITOIL	JI INC.		LOCAT	TION NO]:
	EN	VIRONMENTAL SCIENTI: 5796 U.S. HIGHW FARMINGTON, NEW PHONE: (505) 6	AY 64-3014 MEXICO 87401		C	C.O.C. NE]:
FIELD REPOR	CT: CLC	SURE	/ERIFIC	CATION	PAGE	No:	1 of 1
LOCATION: NAME: CANDA QUAD/UNIT: SEC:		•			-	TARTED: _	19 low 182106
QTR/FDOTAGE:		CONTRACTOR:				IMENTAL 6	WC
EXCAVATION APPROX DISPOSAL FACILITY: LAND USE: Range			REMEDIATI	ON METHO	DD:	-	
					- · · · · · · · · · · · · · · · · · · ·		
FIELD NOTES & REMAR DEPTH TO GROUNDWATER:							
NMOCD RANKING SCORE:C	NMOCD TPH (CLOSURE STD: <u></u>	CCC PPM		CHE	CK ON	
SOIL AND EXCAVATION	N DESCRIPT	ION:			PIT_A STEEL		ED INSTALLED
Attache			ELD 418.1 CA	LCULATIONS	N LITION F	READING	CALC nom
SCALE	72	mpesite	5.0	20		293	1172
JULI	1145 Excava	teral 35684		20	4	298	1,192
0 FT		017)					
PIT PERIMI	ETER	OVM RESUL		PIT	PRC	FILE	
TH WH.		1 Pit 2 Ex. mat. 3 4 5	PLES TIME	* o * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *	12 1 Deopa	oe.K
TRAVEL NOTES: CALLOUT:			ONSITE:				

1. ...



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Elm Ridge Resources

Project #:

03056-040-010

Sample No.:

1

Date Reported:

1/10/2006

Sample ID:

Composite sample of pit walls/bottom

Date Sampled:

1/9/2006

Sample Matrix:

Soil

Date Analyzed:

1/9/2006

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

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

Total Petroleum Hydrocarbons

640.0

200.0

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. 19, bottom sample depth 12 feet

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 #:

03056-040-010

Sample No.:

2

Date Reported:

1/10/2006

Sample ID:

Composite sample excavated material Date Sampled:

ate Sampled: 1/9/2006

Sample Matrix:

Soil

Date Analyzed:

1/9/2006

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

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

Total Petroleum Hydrocarbons

4,200.0

200.0

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. 19

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

Analyst

Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Elm Ridge Resources	Project #:	03056-040
Sample ID:	Candado 19 Composite	Date Reported:	01-11-06
Laboratory Number:	35684	Date Sampled:	01-09-06
Chain of Custody:	15348	Date Received:	01-09-06
Sample Matrix:	Soil	Date Analyzed:	01-11-06
Preservative:	Cool	Date Extracted:	01-10-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
_			
Benzene	ND	1.8	
Toluene	32.3	1.7	
Ethylbenzene	647	1.5	
p,m-Xylene	628	2.2	
o-Xylene	175	1.0	
Total BTEX	1,480		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

Rio Arriba County.

Analyst C. Oylen

Christine m Walters
Review