Elke Environmental, Inc.
4817 Andrews Hwy. Pho. 432-366-0043 Mail: P. O. Box 14167
Odessa, Tx. 79762 Fax: 432-366-0884 Odessa, Tx. 79768

January 15, 2007

Received
Hobbs
OCD

Mr. Larry Johnson
New Mexico Oil Conservation Division
1625 N. French Dr.
Hobbs, New Mexico 88240

SUBJECT: Closure Report for Apache Corporation State Land 15 #12 Reserve Pit
API no. 30-025-37496 U/L P Sec. 16 T21s R37e Lea County, NM

Dear Mr. Johnson,

Enclosed in this mailing is:

- a copy of the initial form C-144 closure **plan**
- the C-144 closure **report**
- a drawing of the site indicating the reserve pit location and sample points
- a table of field and laboratory sample results.
- a copy of the laboratory report
- photos of the site

As indicated in the C-144 closure report, approval was granted by Mr. Chris Williams 12-27-06 to remove contaminated pit material to a level of 4 ft. BGS, haul the material to an approved disposal site, then cover the remaining pit material with a 20 mil liner. Clean soil was used to backfill the remaining 4 ft. The pit area will be reseeded when seasonably practical.

Any questions or concerns may be addressed to Robert Spangler at 432-638-4220 or Logan Anderson at 432-664-1269.

Sincerely,

Hamp Kerby

Hamp Kerby – Elke Environmental, Inc.

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

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 X
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank X

Operator: Apache Corporation Telephone: 432-527-3311 e-mail address: harold.swain@usa.apachecorp.com
Address: P. O. Box 848 Wink, Tx. 79789
Facility or well name: State Land 15 Well #12 API #: 30-025-37496 U/L or Qtr/Qtr P Sec 16 T 21S R 37E
County: Lea Latitude Longitude NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State X ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling X ☐ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined X ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness ____mil Clay ☐ Pit Volume ____bbl	Volume: ____bbl Type of fluid: ____ Construction material: ____ Double-walled, with leak detection? Yes ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) **49.05 ft.**	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) X (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) X
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) X
	Ranking Score (Total Points)	20 points

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 ☐ offsite X If offsite, name of facility Sundance Disposal3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No X ☐ 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: **Drilling Pit Closure Report**: Pit contents were excavated and hauled to an NMOCD approved disposal site. Grab samples were then drawn from 5 points on the bottom of the pit to assure that there was no contamination of the pit bottom. The samples were taken to a properly certified laboratory for analysis.
On 12-27-06 Mr. Robert Spangler (Elke Env.)and Chris Williams (NMOCD) agreed that Apache would be allowed to remove contaminated soil to a level of 4 ft. BGS, then backfill with clean soil. The impacted area will be reseeded when seasonally practical.

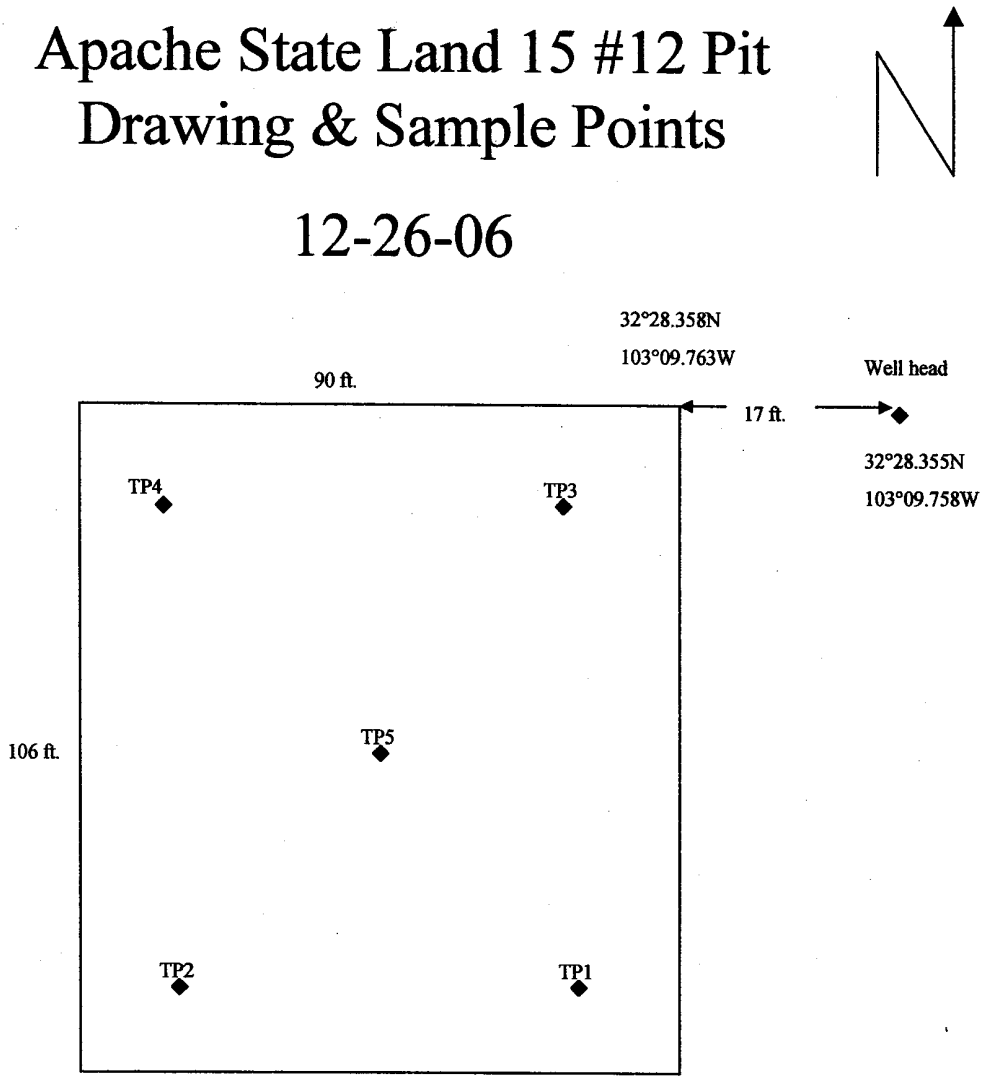
Start Date: 12-14-06 Finish Date 1-4-07

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 X a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**
Date1-15-07 elkeenv@yahoo.com 432-366-0043
Printed Name/Title C. H. Kerby/ Agent Signature C. H. Kerby - Elke Environmental
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 L JOHNSON - ENVIRO ENGR Signature Date: 2.14.07

Apache State Land 15 #12 Pit
Drawing & Sample Points

12-26-06



Apache Corp. State Land 15 #12 Sample Chart

	Field Test Results			Lab Results		
Sample Location	Date	Depth	Chlorides (ppm)	GPS	Chlorides (ppm)	TPH 8015M (ppm)
TP1	12/26/2006	4 ft.	363	32°28.341N		
		6 ft.	243	103°09.766W		
		8 ft.	151			
		10 ft.			<5	ND
TP2	12/26/2006	4 ft.	26,175	32°28336N		
		6 ft.	5,166	103°09.779W		
		10 ft.	441			
		12 ft.	1,124			
		14 ft.	584			
		16 ft.	232			
		18 ft.	121		25.6	ND
TP3	12/26/2006	4 ft.	13,003	32°28358N		
		6 ft.	88,232	103°09.763W		
		8 ft.	3,999			
		10 ft.	1,195			
		12 ft.	1,190			
		13 ft.	1,191			
		14 ft.	250			
		16 ft.	239		179	ND
TP4	12/26/2006	4 ft.	16,136	32°28.359N		
		6 ft.	4,840	103°09.781W		
		8 ft.	1,006			
		10 ft.	233			
		12 ft.	379			
		14 ft.	180			
		16 ft.	177			
		18 ft.			12.3	ND
TP5	12/26/2006	4 ft.	359	32°28.348N		
		6 ft.	88	103°09.700W		
		8 ft.	60			
		10 ft.			7.7	ND

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Robert Spangler

Elke Environmental

P.O. Box 14167

Odessa, TX 79768

Project: Apache

Project Number: State Land 15 #12

Location: None Given

Lab Order Number: 7A03001

Report Date: 01/05/07

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Apache
Project Number: State Land 15 #12
Project Manager: Robert Spangler

Fax: (432) 366-0884

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP1@ 10'	7A03001-01	Soil	12/26/06 07:20	01-03-2007 08:40
TP2@ 18'	7A03001-02	Soil	12/26/06 09:45	01-03-2007 08:40
TP3@ 16'	7A03001-03	Soil	12/26/06 11:50	01-03-2007 08:40
TP4@ 18'	7A03001-04	Soil	12/26/06 14:40	01-03-2007 08:40
TP5@ 10'	7A03001-05	Soil	12/26/06 16:00	01-03-2007 08:40

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Apache
Project Number: State Land 15 #12
Project Manager: Robert Spangler

Fax: (432) 366-0884

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TP1@ 10' (7A03001-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EA70303	01/03/07	01/03/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*110 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*123 %*	*70-130*		"	"	"	"	
TP2@ 18' (7A03001-02) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EA70303	01/03/07	01/03/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*93.0 %*	*70-130*		"	"	"	"	
TP3@ 16' (7A03001-03) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EA70303	01/03/07	01/03/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*96.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*106 %*	*70-130*		"	"	"	"	
TP4@ 18' (7A03001-04) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EA70303	01/03/07	01/04/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*102 %*	*70-130*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Apache
Project Number: State Land 15 #12
Project Manager: Robert Spangler

Fax: (432) 366-0884

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TP5@ 10' (7A03001-05) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EA70303	01/03/07	01/03/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*77.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*85.0 %*	*70-130*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Elke Environmental	Project: Apache	Fax: (432) 366-0884
P.O. Box 14167	Project Number: State Land 15 #12	
Odessa TX, 79768	Project Manager: Robert Spangler	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TP1@ 10' (7A03001-01) Soil									
Chloride	**J [4.48]**	5.00	mg/kg	10	EA70309	01/03/07	01/03/07	EPA 300.0	J
% Moisture	**9.7**	0.1	%	1	EA70406	01/03/07	01/04/07	% calculation	
TP2@ 18' (7A03001-02) Soil									
Chloride	**25.6**	5.00	mg/kg	10	EA70309	01/03/07	01/03/07	EPA 300.0	
% Moisture	**8.5**	0.1	%	1	EA70406	01/03/07	01/04/07	% calculation	
TP3@ 16' (7A03001-03) Soil									
Chloride	**179**	5.00	mg/kg	10	EA70309	01/03/07	01/03/07	EPA 300.0	
% Moisture	**9.8**	0.1	%	1	EA70406	01/03/07	01/04/07	% calculation	
TP4@ 18' (7A03001-04) Soil									
Chloride	**12.3**	5.00	mg/kg	10	EA70309	01/03/07	01/03/07	EPA 300.0	
% Moisture	**4.7**	0.1	%	1	EA70406	01/03/07	01/04/07	% calculation	
TP5@ 10' (7A03001-05) Soil									
Chloride	**19.7**	5.00	mg/kg	10	EA70309	01/03/07	01/03/07	EPA 300.0	
% Moisture	**7.7**	0.1	%	1	EA70406	01/03/07	01/04/07	% calculation	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Apache
Project Number: State Land 15 #12
Project Manager: Robert Spangler

Fax: (432) 366-0884

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA70303 - Solvent Extraction (GC)										
Blank (EA70303-BLK1)				Prepared & Analyzed: 01/03/07						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbons	ND	10.0	"							
Surrogate: 1-Chlorooctane	*36.8*		*mg/kg*	*50.0*		*73.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.2*		*"*	*50.0*		*74.4*	*70-130*			
LCS (EA70303-BS1)				Prepared & Analyzed: 01/03/07						
Carbon Ranges C6-C12	567	10.0	mg/kg wet	500		113	75-125			
Carbon Ranges C12-C28	480	10.0	"	500		96.0	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbons	1050	10.0	"	1000		105	75-125			
Surrogate: 1-Chlorooctane	*46.5*		*mg/kg*	*50.0*		*93.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.7*		*"*	*50.0*		*81.4*	*70-130*			
Calibration Check (EA70303-CCV1)				Prepared: 01/03/07 Analyzed: 01/04/07						
Carbon Ranges C6-C12	286		mg/kg	250		114	80-120			
Carbon Ranges C12-C28	281		"	250		112	80-120			
Total Hydrocarbons	567		"	500		113	80-120			
Surrogate: 1-Chlorooctane	*45.6*		*"*	*50.0*		*91.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.3*		*"*	*50.0*		*92.6*	*70-130*			
Matrix Spike (EA70303-MS1)	**Source: 7A03001-03**			Prepared & Analyzed: 01/03/07						
Carbon Ranges C6-C12	652	10.0	mg/kg dry	554	ND	118	75-125			
Carbon Ranges C12-C28	632	10.0	"	554	ND	114	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbons	1280	10.0	"	1110	ND	115	75-125			
Surrogate: 1-Chlorooctane	*57.6*		*mg/kg*	*50.0*		*115*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.7*		*"*	*50.0*		*105*	*70-130*			

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Apache
Project Number: State Land 15 #12
Project Manager: Robert Spangler

Fax: (432) 366-0884

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA70303 - Solvent Extraction (GC)										
Matrix Spike Dup (EA70303-MSD1)	**Source: 7A03001-03**			Prepared: 01/03/07 Analyzed: 01/04/07						
Carbon Ranges C6-C12	638	10.0	mg/kg dry	554	ND	115	75-125	2.58	20	
Carbon Ranges C12-C28	619	10.0	"	554	ND	112	75-125	1.77	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbons	1260	10.0	"	1110	ND	114	75-125	0.873	20	
Surrogate: 1-Chlorooctane	*59.6*		*mg/kg*	*50.0*		*119*	*70-130*			
Surrogate: 1-Chlorooctadecane	*55.3*		"	*50.0*		*111*	*70-130*			

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Apache
Project Number: State Land 15 #12
Project Manager: Robert Spangler

Fax: (432) 366-0884

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA70309 - Water Extraction										
Blank (EA70309-BLK1)				Prepared & Analyzed: 01/03/07						
Chloride	ND	0.500	mg/kg							
LCS (EA70309-BS1)				Prepared & Analyzed: 01/03/07						
Chloride	10.5	0.500	mg/kg	10.0		105	80-120			
Calibration Check (EA70309-CCV1)				Prepared & Analyzed: 01/03/07						
Chloride	9.35		mg/L	10.0		93.5	80-120			
Duplicate (EA70309-DUP1)		Source: 7A02006-02		Prepared & Analyzed: 01/03/07						
Chloride	6.39	5.00	mg/kg		7.08			10.2	20	
Duplicate (EA70309-DUP2)		Source: 7A03001-03		Prepared & Analyzed: 01/03/07						
Chloride	181	5.00	mg/kg		179			1.11	20	
Matrix Spike (EA70309-MS1)		Source: 7A02006-02		Prepared & Analyzed: 01/03/07						
Chloride	109	5.00	mg/kg	100	7.08	102	80-120			
Matrix Spike (EA70309-MS2)		Source: 7A03001-03		Prepared & Analyzed: 01/03/07						
Chloride	280	5.00	mg/kg	100	179	101	80-120			
Batch EA70406 - General Preparation (Prep)										
Blank (EA70406-BLK1)				Prepared: 01/03/07 Analyzed: 01/04/07						
% Solids	99.9		%							
Duplicate (EA70406-DUP1)		Source: 7A02006-01		Prepared: 01/03/07 Analyzed: 01/04/07						
% Solids	92.9		%		93.1			0.215	20	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Apache
Project Number: State Land 15 #12
Project Manager: Robert Spangler

Fax: (432) 366-0884

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA70406 - General Preparation (Prep)										
Duplicate (EA70406-DUP2)	**Source: 7A03007-02**			Prepared: 01/03/07 Analyzed: 01/04/07						
% Solids	89.3		%		88.8			0.561	20	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Elke Environmental
P.O. Box 14167
Odessa TX, 79768

Project: Apache
Project Number: State Land 15 #12
Project Manager: Robert Spangler

Fax: (432) 366-0884

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 1/5/2007

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Robert Spangler
Company Name: Elke Environmental, Inc.
Company Address: 4817 Andrews Hwy
City/State/Zip: Odessa, TX 79762
Telephone No: 432-366-0043 Fax No: 432-366-0884
Sampler Signature: Robert Spangler e-mail: elkeenv@yahoo.com

Project Name: Apache
Project #: State Land 15 #12
Project Loc:
PO #:
Report Format: ☑ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 7A03001

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 (8015B) 1005 1006	TOTAL: Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Scheduled) 24, 48, 72 hrs	Standard TAT
01	TP1 @ 10'		10'	12-26-06	7:20 AM	1	1								S	1		—									—
02	TP2 @ 18'		18'	12-26-06	9:45 AM	1	1								S	1		1									1
03	TP3 @ 16'		16'	12-26-06	11:50 AM	1	1								S	1		1									1
04	TP4 @ 18'		18'	12-26-06	2:40 PM	1	1								S	1		1									1
05	TP5 @ 10'		10'	12-26-06	4:00 PM	1	1								S	1		1									1

Special Instructions:
Email Results to ELKENV@Yahoo.com

RG

Relinquished by:	Date	Time	Received by:	Date	Time
	12-27	8:45			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Gina Kelly	12/27	8:40

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? Y N
by Cooler? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 4oz glass -9.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Elke Env.

Time: 1/3/07 5:40

Lab ID #: 7A0300

Initials: VK

Sample Receipt Checklist

					Client Initials
1	Temperature of container/ cooler?	Yes	No	-9.6 °C	
2	Shipping container in good condition?	Yes	No		
3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
5	Chain of Custody present?	Yes	No		
6	Sample instructions complete of Chain of Custody?	Yes	No		
7	Chain of Custody signed when relinquished/ received?	Yes	No		
8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
9	Container label(s) legible and intact?	Yes	No	Not Applicable	
10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
11	Containers supplied by ELOT?	Yes	No		
12	Samples in proper container/ bottle?	Yes	No	See Below	
13	Samples properly preserved?	Yes	No	See Below	
14	Sample bottles intact?	Yes	No		
15	Preservations documented on Chain of Custody?	Yes	No		
16	Containers documented on Chain of Custody?	Yes	No		
17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
18	All samples received within sufficient hold time?	Yes	No	See Below	
19	Subcontract of sample(s)?	Yes	No	Not Applicable	
20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

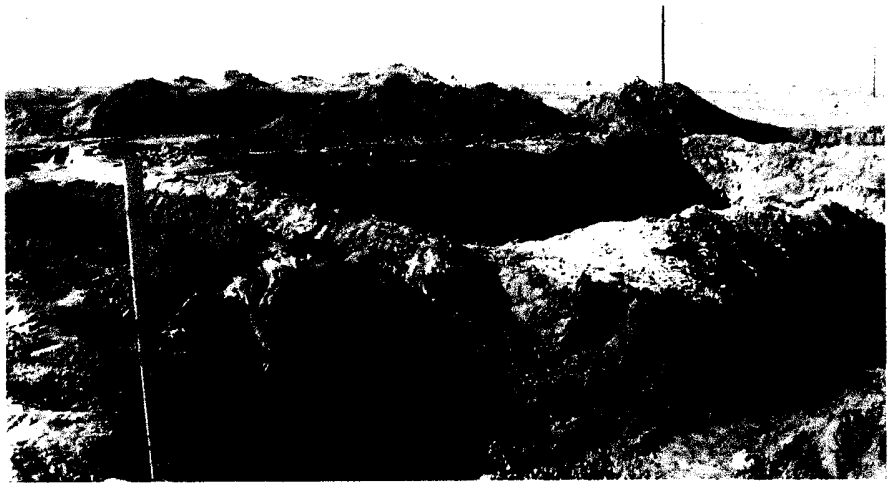
Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

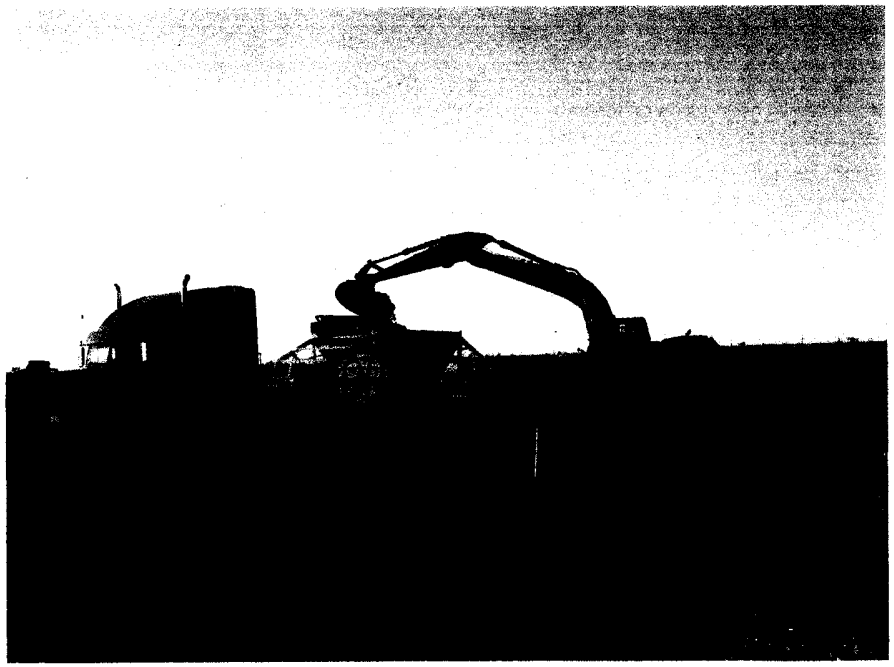
- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Mixing mud to be hauled

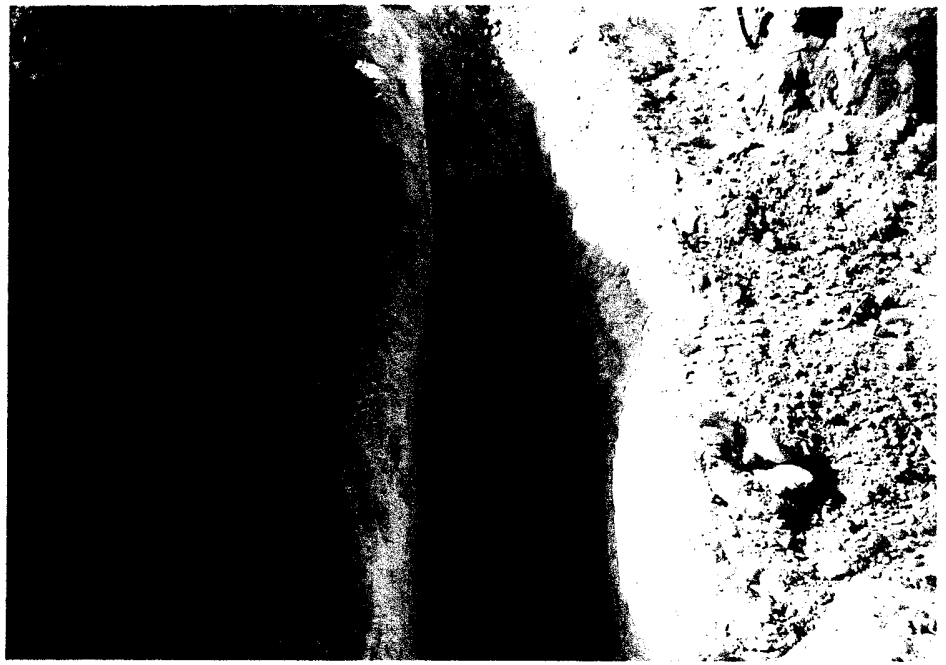


Cleaned area of pit

Mud ready to be hauled

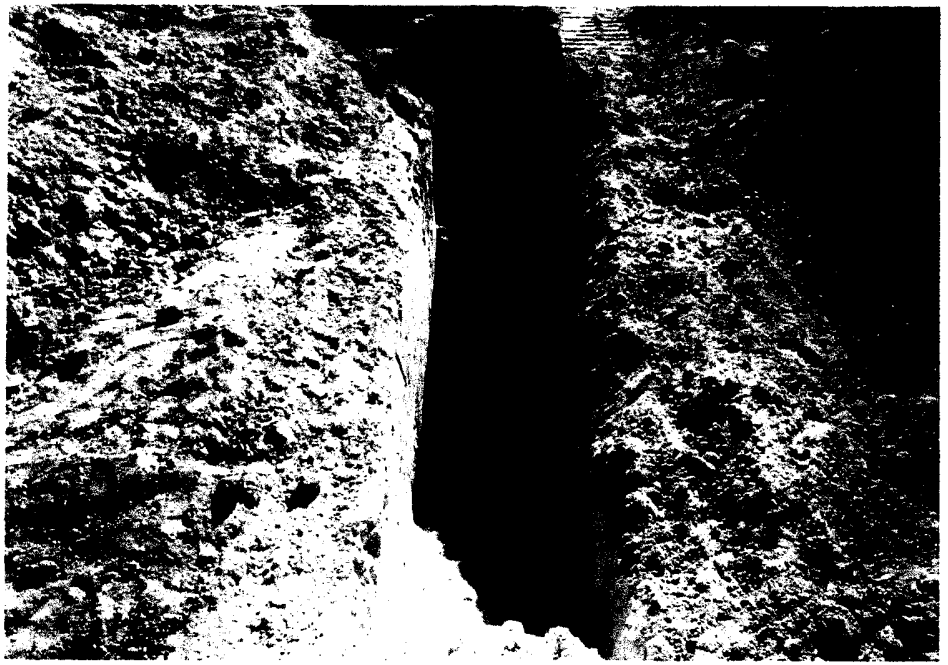


Loading trucks



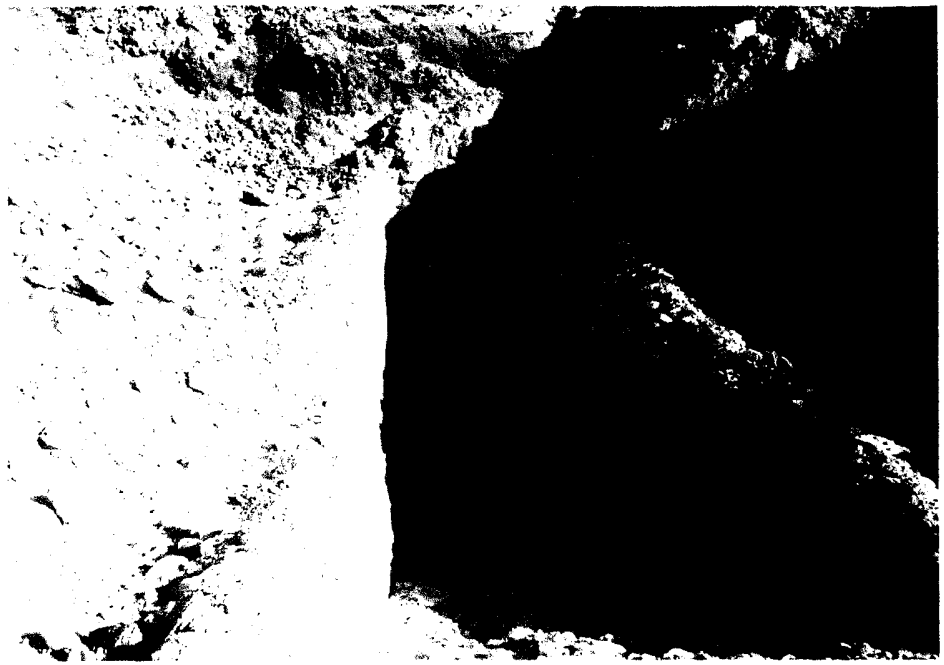
Test hole #1

Test hole #2

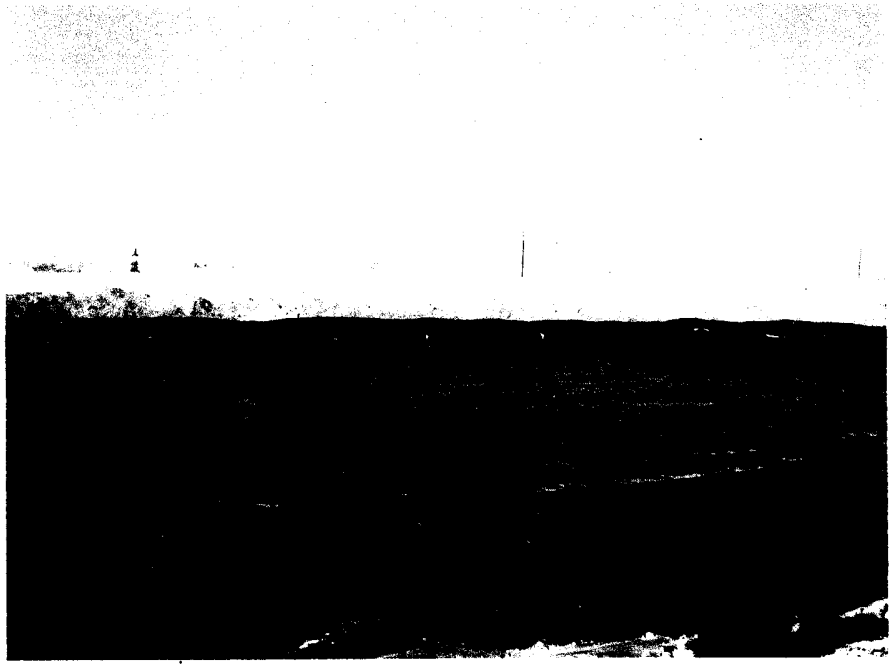


Test hole #3

Test hole #4

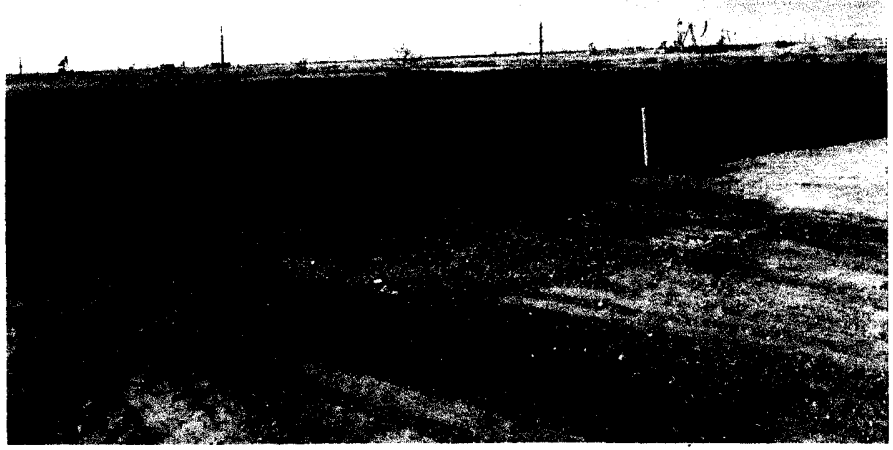


Test hole #5



20 mil liner capping the reserve pit

Location after backfilling



Location after backfilling

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

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 X
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank X

Operator: Apache Corporation Telephone: 432-527-3311 e-mail address: harold.swain@usa.apachecorp.com
Address: P. O. Box 848 Wink, Tx. 79789
Facility or well name: State Land 15 Well #12 API #: 30-025-37496 U/L or Qtr/Qtr P Sec 16 T 21S R 37E
County: Lea Latitude Longitude NAD 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State X ☐ Private ☐ Indian ☐

Pit Type: Drilling X ☐ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined X ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness ____mil Clay ☐ Pit Volume ____bbl	**Below-grade tank** Volume: ____bbl Type of fluid: ____ Construction material: ____ Double-walled, with leak detection? Yes ☐ If not, explain why not. ____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) 49.05	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) X (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) X
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) X
	Ranking Score (Total Points)	20 points

DEC 2006 Received Hobbs OCD

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 ☐ offsite X ☐ If offsite, name of facility Sundance Disposal. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No X ☐ 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: **Drilling Pit Closure Plan:** Pit contents will be excavated to pit bottom depth and hauled to an NMOCD permitted disposal site. Samples will then be drawn from 5 points on the pit bottom and tested by a properly certified laboratory. Upon verification that the pit bottom is clean, the pit will be backfilled with clean native soil and domed to prevent pooling.

1) SAMPLES TO BE GRAB

2) REMEDIATE AREA WITHIN ONE YEAR - 6 MONTH EXTENSION IF REQUIRED

Expected Start Date : OCD will be notified 48 hours prior to start date or any sampling activities Finish Date Unk.

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 X a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date 11-29-06 elkeenv@yahoo.com 432-366-0043

Printed Name/Title C. H. Kerby/ Agent Signature C. H. Kerby - Elke Environmental

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 L. JOHNSON - ENVIRO ENGR Signature L. Johnson Date: 12-9-06