

Elke Environmental, Inc.

4817 Andrews Hwy.
Odessa, Tx. 79762

Pho. 432-366-0043
Fax: 432-366-0884

Mail: P. O. Box 14167
Odessa, Tx. 79768

January 12, 2007

Received
Hobbs
OED

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 #13 Reserve Pit
API no. 30-025-37482 U/L O Sec. 16 T21s R37e Lea County, NM

Dear Mr. Johnson,

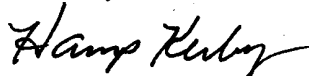
Enclosed in this mailing is:

- 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 - 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

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: 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 #13 API #: 30-025-37482 U/L or Qtr/Qtr O Sec 16 T 21S R 37E

County: Lea Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐

Surface Owner: Federal ☐ State ☒ Private ☐ Indian ☐

Pit

Type: Drilling ☒ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☒ 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.) 56.08 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 you are burying in place) onsite ☐ offsite ☒ 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 ☒ 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 1-2-07

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 ☐.

Date 1-12-07 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 [Signature]

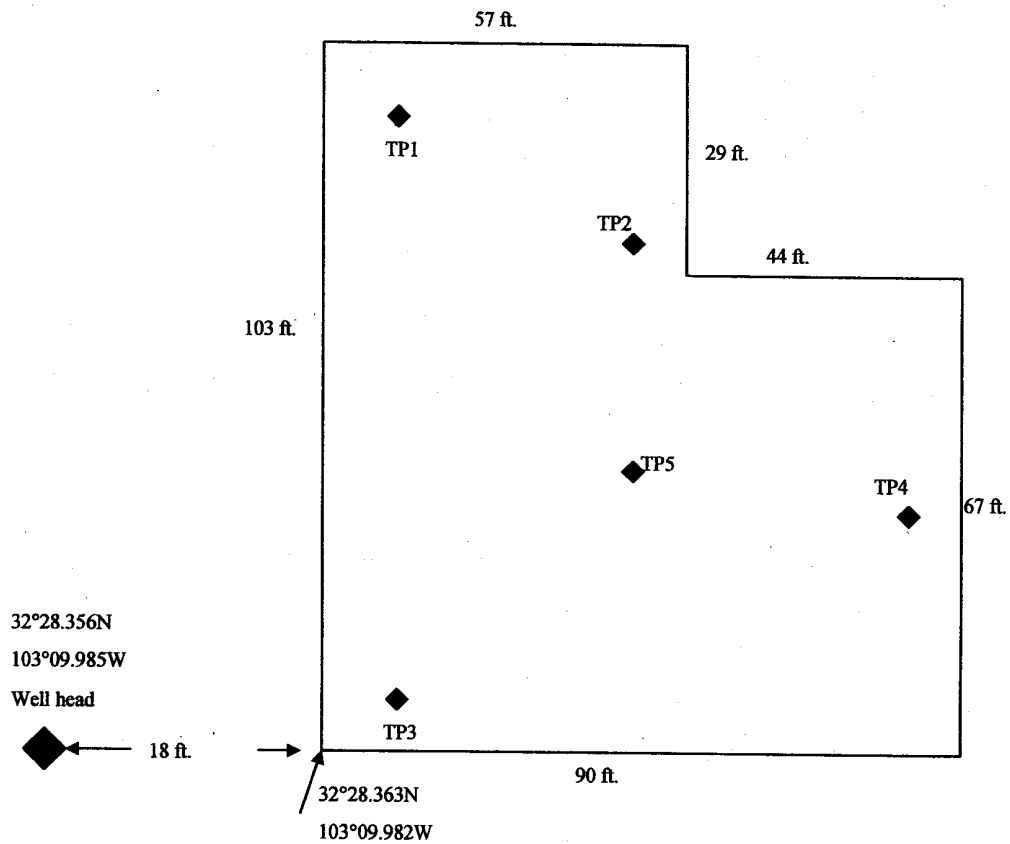
Date: 2.19.07



Apache Corp. State Land 15 #13 Reserve Pit

Sample and Pit Location Data

12-27 -06



Apache Corp. State Land 15 #12 Sample Chart

Field Results				Lab Results		
Sample Location	Date	Depth	Chlorides (ppm)	GPS	Chlorides (ppm)	TPH 8015M (ppm)
TP1	12/27/06	6 ft.	3,800	32°28.369N 103°09.990W		
		8 ft.	3,170			
		10 ft.	603			
		12 ft.	303			
		14 ft.	489			
		16 ft.	436			
		20 ft.	381			
		22 ft.	260			
		24 ft.	182			
		26 ft.	152		266	55.8
TP2	12/27/2006	6 ft.	1,128	32°28.372N 103°09.982W		
		8 ft.	422			
		10 ft.	247			
		12 ft.	173		308	ND
TP3	12/27/2006	6 ft.	4,158	32°28.357N 103°09.985W		
		8 ft.	89			
		10 ft.	516			
		12 ft.	65		74.4	ND
TP4	12/27/2006	6 ft.	60	32°28.366N 103°09.973W		
		8 ft.	29		ND	ND
TP5	12/27/2006	6 ft.	1,128	32°28.363N 103°09.982W		
		8 ft.	1,164			
		10 ft.	1,006			
		12 ft.	1,447			
		14 ft.	1,384			
		16 ft.	1,162			
		18 ft.	956			
		20 ft.	485			
		22 ft.	144			
		24 ft.	119		479	ND



Reserve pit before mixing



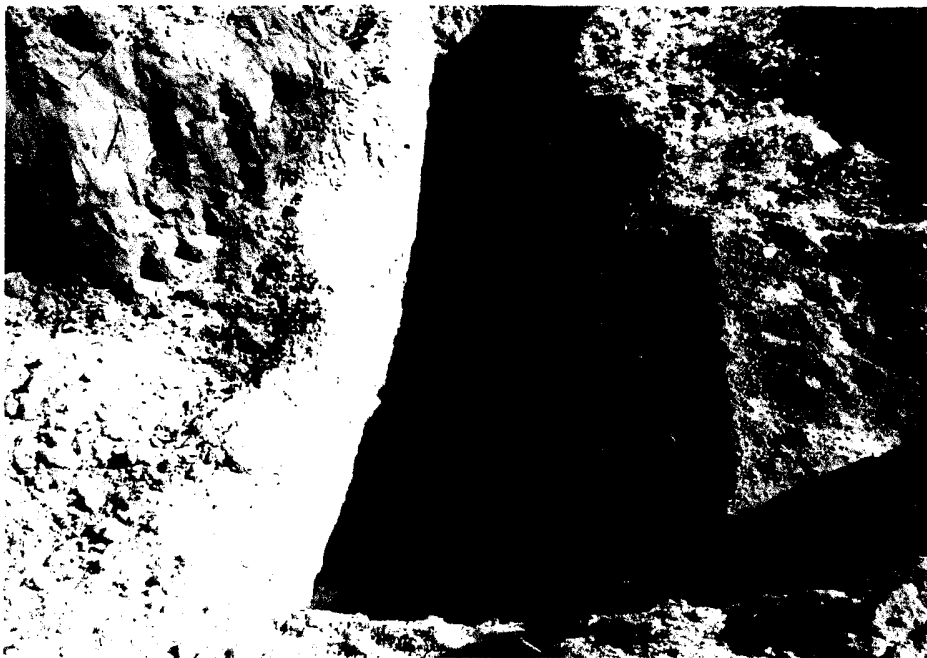
Mixing mud



Mud ready to be hauled



Loading mud



Test hole #1



Test hole #2



Test hole #3



Test hole #4



Test hole #5



20 mil liner capping reserve pit

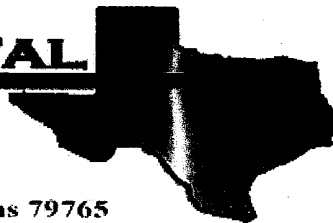


Location after backfilling



Location after backfilling

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 #13

Location: None Given

Lab Order Number: 6L27005

Report Date: 12/31/06

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

Project: Apache
Project Number: State Land 15 #13
Project Manager: Robert Spangler

Fax: (432) 366-0884

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP1 @ 26'	6L27005-01	Soil	12/21/06 10:20	12-26-2006 14:26
TP2 @ 12'	6L27005-02	Soil	12/21/06 14:30	12-26-2006 14:26
TP3 @ 12'	6L27005-03	Soil	12/21/06 11:00	12-26-2006 14:26
TP4 @ 8'	6L27005-04	Soil	12/21/06 12:00	12-26-2006 14:26
TP5 @ 24'	6L27005-05	Soil	12/21/06 15:00	12-26-2006 14:26

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

Project: Apache
Project Number: State Land 15 #13
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 @ 26' (6L27005-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EL62709	12/27/06	12/28/06	EPA 8015M	
Carbon Ranges C12-C28	55.8	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	55.8	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		96.4 %	70-130	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane		113 %	70-130	"	"	"	"	"	
TP2 @ 12' (6L27005-02) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EL62709	12/27/06	12/28/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		103 %	70-130	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane		117 %	70-130	"	"	"	"	"	
TP3 @ 12' (6L27005-03) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EL62709	12/27/06	12/28/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		70.3 %	70-130	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane		82.2 %	70-130	"	"	"	"	"	
TP4 @ 8' (6L27005-04) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EL62709	12/27/06	12/28/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		120 %	70-130	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane		130 %	70-130	"	"	"	"	"	

Environmental Lab of Texas

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.

Page 2 of 8

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 #13
Project Manager: Robert Spangler

Fax: (432) 366-0884

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
TP5 @ 24' (6L27005-05) Soil										
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EL62709	12/27/06	12/28/06	EPA 8015M		
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"		
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"		
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"		
Surrogate: 1-Chlorooctane		113 %	70-130		"	"	"	"		
Surrogate: 1-Chlorooctadecane		129 %	70-130		"	"	"	"		

Environmental Lab of Texas

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.

Page 3 of 8

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 #13
Project Manager: Robert Spangler

Fax: (432) 366-0884

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TP1 @ 26' (6L27005-01) Soil									
Chloride	266	20.0	mg/kg Wet	2	EL62706	12/27/06	12/27/06	SW 846 9253	
% Moisture	6.1	0.1	%	1	EL62803	12/27/06	12/28/06	% calculation	
TP2 @ 12' (6L27005-02) Soil									
Chloride	308	20.0	mg/kg Wet	2	EL62706	12/27/06	12/27/06	SW 846 9253	
% Moisture	14.7	0.1	%	1	EL62803	12/27/06	12/28/06	% calculation	
TP3 @ 12' (6L27005-03) Soil									
Chloride	74.4	20.0	mg/kg Wet	2	EL62706	12/27/06	12/27/06	SW 846 9253	
% Moisture	6.3	0.1	%	1	EL62803	12/27/06	12/28/06	% calculation	
TP4 @ 8' (6L27005-04) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EL62706	12/27/06	12/27/06	SW 846 9253	
% Moisture	7.5	0.1	%	1	EL62803	12/27/06	12/28/06	% calculation	
TP5 @ 24' (6L27005-05) Soil									
Chloride	479	20.0	mg/kg Wet	2	EL62706	12/27/06	12/27/06	SW 846 9253	
% Moisture	12.8	0.1	%	1	EL62803	12/27/06	12/28/06	% calculation	

Environmental Lab of Texas

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.

Page 4 of 8

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 #13
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 Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch EL62709 - Solvent Extraction (GC)

Blank (EL62709-BLK1)

Prepared: 12/27/06 Analyzed: 12/28/06

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	47.4		mg/kg	50.0		94.8	70-130		
Surrogate: 1-Chlorooctadecane	56.2		"	50.0		112	70-130		

LCS (EL62709-BS1)

Prepared: 12/27/06 Analyzed: 12/28/06

Carbon Ranges C6-C12	548	10.0	mg/kg wet	500		110	75-125		
Carbon Ranges C12-C28	455	10.0	"	500		91.0	75-125		
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125		
Total Hydrocarbons	1000	10.0	"	1000		100	75-125		
Surrogate: 1-Chlorooctane	53.7		mg/kg	50.0		107	70-130		
Surrogate: 1-Chlorooctadecane	60.3		"	50.0		121	70-130		

Calibration Check (EL62709-CCV1)

Prepared: 12/27/06 Analyzed: 12/28/06

Carbon Ranges C6-C12	231		mg/kg	250		92.4	80-120		
Carbon Ranges C12-C28	273		"	250		109	80-120		
Total Hydrocarbons	504		"	500		101	80-120		
Surrogate: 1-Chlorooctane	59.5		"	50.0		119	70-130		
Surrogate: 1-Chlorooctadecane	63.6		"	50.0		127	70-130		

Matrix Spike (EL62709-MS1)

Source: 6L27005-01

Prepared: 12/27/06 Analyzed: 12/28/06

Carbon Ranges C6-C12	567	10.0	mg/kg dry	532	ND	107	75-125		
Carbon Ranges C12-C28	493	10.0	"	532	55.8	82.2	75-125		
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		
Total Hydrocarbons	1060	10.0	"	1060	55.8	94.7	75-125		
Surrogate: 1-Chlorooctane	55.2		mg/kg	50.0		110	70-130		
Surrogate: 1-Chlorooctadecane	47.5		"	50.0		95.0	70-130		

Environmental Lab of Texas

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.

Page 5 of 8

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

Project: Apache
Project Number: State Land 15 #13
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 EL62709 - Solvent Extraction (GC)

Matrix Spike Dup (EL62709-MSD1)

Source: 6L27005-01

Prepared: 12/27/06 Analyzed: 12/28/06

Carbon Ranges C6-C12	584	10.0	mg/kg dry	532	ND	110	75-125	2.76	20	
Carbon Ranges C12-C28	488	10.0	"	532	55.8	81.2	75-125	1.22	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbons	1070	10.0	"	1060	55.8	95.7	75-125	1.05	20	
Surrogate: 1-Chlorooctane	56.0		mg/kg	50.0		112	70-130			
Surrogate: 1-Chlorooctadecane	48.2		"	50.0		96.4	70-130			

Environmental Lab of Texas

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.

Page 6 of 8

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 #13
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 Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch EL62706 - EPA 1312/9253

Blank (EL62706-BLK1)

Prepared & Analyzed: 12/27/06

Chloride ND 10.0 mg/kg Wet

LCS (EL62706-BS1)

Prepared & Analyzed: 12/27/06

Chloride 93.6 5.00 mg/kg Wet 100 93.6 80-120

Matrix Spike (EL62706-MS1)

Source: 6L27005-03

Prepared & Analyzed: 12/27/06

Chloride 532 20.0 mg/kg Wet 500 74.4 91.5 80-120

Matrix Spike Dup (EL62706-MSD1)

Source: 6L27005-03

Prepared & Analyzed: 12/27/06

Chloride 532 20.0 mg/kg Wet 500 74.4 91.5 80-120 0.00 20

Reference (EL62706-SRM1)

Prepared & Analyzed: 12/27/06

Chloride 53.2 mg/kg 50.0 106 80-120

Batch EL62803 - General Preparation (Prep)

Blank (EL62803-BLK1)

Prepared: 12/27/06 Analyzed: 12/28/06

% Solids 100 %

Duplicate (EL62803-DUP1)

Source: 6L27003-01

Prepared: 12/27/06 Analyzed: 12/28/06

% Solids 95.7 % 95.9 0.209 20

Duplicate (EL62803-DUP2)

Source: 6L27010-01

Prepared: 12/27/06 Analyzed: 12/28/06

% Solids 87.0 % 87.1 0.115 20

Duplicate (EL62803-DUP3)

Source: 6L27023-01

Prepared: 12/27/06 Analyzed: 12/28/06

% Solids 80.9 % 82.0 1.35 20

Environmental Lab of Texas

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.

Page 7 of 8

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 #13
Project Manager: Robert Spangler

Fax: (432) 366-0884

Notes and Definitions

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:

12/31/2006

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.

Environmental Lab of Texas

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.

Page 8 of 8

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

12800 West I-20 East
Odessa, Texas 79765

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

Project Manager: Robert Spangler

Project Name: Apache

Company Name: Elke Environmental, Inc.

Project #: State Land 15 # 13

Company Address: 4817 Andrews Hwy

Project Loc: _____

City/State/Zip: Odessa, TX 79762

PO #: _____

Telephone No: 432-366-8843

Fax No: 432-366-0884

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: [Signature]

e-mail: eikeenv@yahoo.com

(lab use only)

ORDER #:

6L27005

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers										Matrix										RUSH TAT (Pre-Schedule) 24, 48, 72 hrs																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
							Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₈	None	Other (Specify)	GW-Drinking Water, SW-Pludge	GW - Groundwater, SW - Solid	NP-Hen-Pollable, Specialty Other	TPH: 418.1 (8015)	1005	1006	Cellulose (Ca, Mg, Na, K)	Antibio (SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / DEC	Minerals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semi-volatiles	BTEX: 80218/5030 or BTEX 8280	RCI	N.O.R.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

Special Instructions:

Please Email Results to EKEENV @ Yahoo. Com

Relinquished by:

[Signature]

Date

12-26-06

Time

7:00A

Received by:

[Signature]

Date

12-26-06

Time

7:00A

Relinquished by:

[Signature]

Date

12-26-06

Time

2:26P

Received by:

[Signature]

Date

12-26-06

Time

1426

Relinquished by:

Date

Time

Received by: ELDT:

[Signature]

Date

12-26-06

Time

1426

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Custody seals on container(s)?

Custody seals on cooler(s)?

Sample Hand Delivered

by Sampler/Client Rep.?

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:

1.0 °C

00000000

N
N
N
N
N
N

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Elke Environmental
 Date/ Time: 12-26-06 @ 1426
 Lab ID #: 6L27005
 Initials: Jm

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	I, D
#2	Shipping container in good condition?	(Yes)	No	
#3	Custody Seals intact on shipping container/ cooler?	(Yes)	No	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present
#5	Chain of Custody present?	(Yes)	No	Not Present
#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	
#9	Container label(s) legible and intact?	(Yes)	No	ID written on Cont./ Lid
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No	Not Applicable
#11	Containers supplied by ELOT?	(Yes)	No	
#12	Samples in proper container/ bottle?	(Yes)	No	
#13	Samples properly preserved?	(Yes)	No	See Below
#14	Sample bottles intact?	(Yes)	No	See Below
#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	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below
#19	Subcontract of sample(s)?	(Yes)	No	See Below
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable
		(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

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

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: <u>Apache Corporation</u> Telephone: <u>432-527-3311</u> e-mail address: <u>harold.swain@usa.apachecorp.com</u>		
Address: <u>P.O. Box 848 Wink Tx 79789</u>		
Facility or well name: <u>State Land 15 Well #13</u> API #: <u>30-025-37482</u> U/L or Qtr/Qtr <u>Q</u> Sec <u>16</u> T <u>21S</u> R <u>37E</u>		
County: <u>Lea</u> Latitude _____ Longitude _____ NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/>		
Surface Owner: Federal <input type="checkbox"/> State <input checked="" type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) <u>56.88 ft.</u>	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more (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 (20 points) No (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 (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (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 you 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: <u>Drilling Pit Closure Plan: Pit contents will be excavated and hauled to an NMOCD approved disposal site. Samples will then be drawn from 5 points on the bottom of the pit to assure that there is no contamination of the pit bottom. The samples will be taken to a properly certified laboratory for analysis.</u>
<u>① SAMPLES TO BE 'GRAB'</u>
<u>② REMEDIATION TO BE RE-ESTABLISHED WITHIN ONE YEAR</u>
Expected Start Date: <u>OCD will be notified 48 hours before start of work or any sampling activities</u> Finish Date: <u>Unk.</u>

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 Enriamantel

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 - ENVIRONMENTAL Signature [Signature] Date: 12-4-06