

Elke Environmental, Inc.
P. O. Box 14167
Odessa, Tx. 79768

Closure Report 5-15-06

**Prepared for: Mr. Larry Johnson, New Mexico Oil
Conservation Division – Hobbs, New Mexico**

Mr. Doug Keathly – Saber Resources

Project:

**Saber Resources Cox SWD Drain Pit
U/L C Sec. 13 T17S R38E
Knowles Field, Lea County New Mexico**

RP#1439

Saber Resources
Cox SWD Drain Pit

Saber Resources Contacted Elke Environmental, Inc to delineate and remediate the Cox SWD Drain Pit. The Chloride level was to be below 1,000 mg/l. A four point composite sample was taken from each sidewall and a five point composite bottom after testing the samples the west wall was found to contain 2,020 mg/l of chlorides. Elke excavated two feet of the west wall and resample and the west wall then tested at 390 mg/l. All other samples tested were below 1,000mg/l. Elke removed the berm and blended all excavated material and tested the remediated composite, which was 50 mg/l. After blending all material the site was backfilled and leveled. The liner was hauled to an approved disposal.

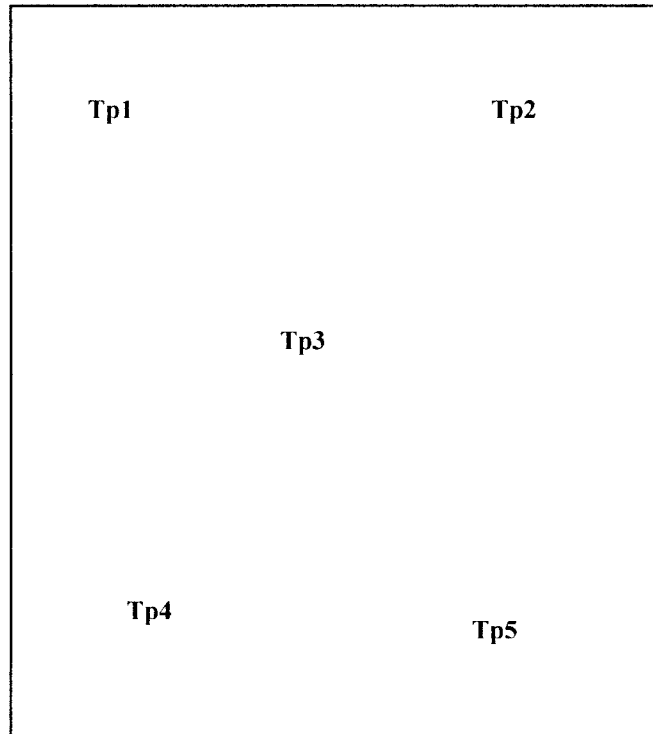
**Saber Resources
Cox SWD Drain Pit
Plot Maps**

North

27 Feet

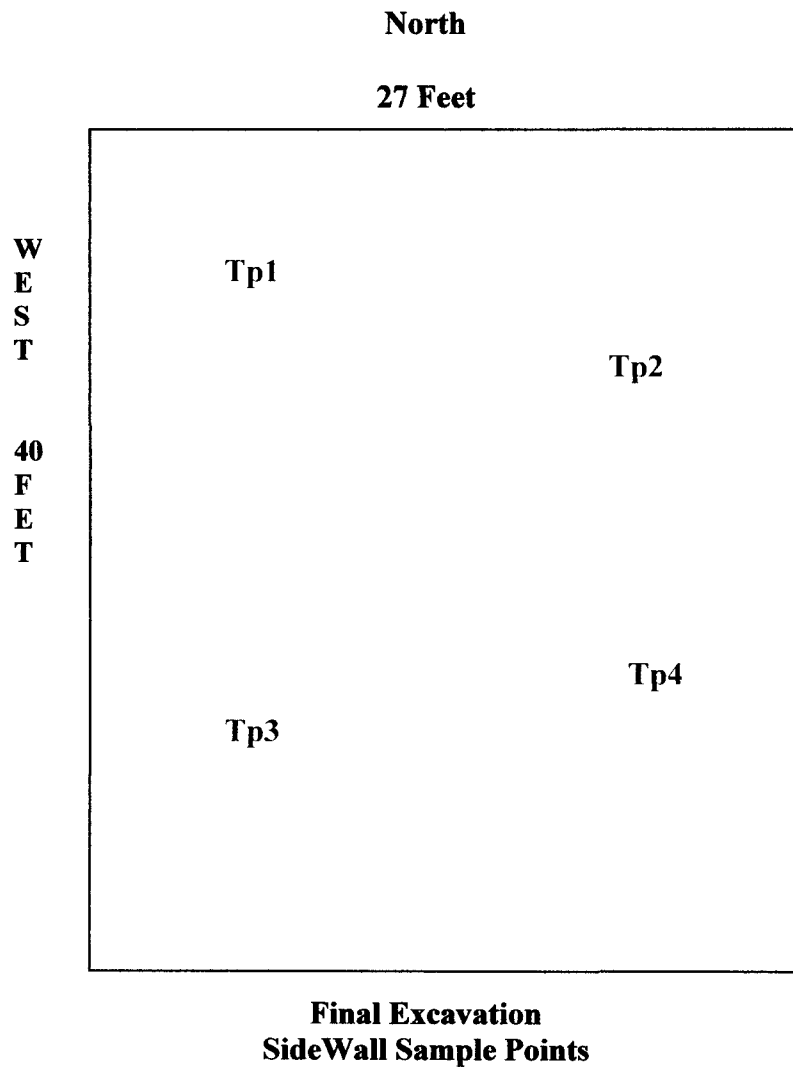
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**Final Excavation
Bottom Sample Points**

**Saber Resources
Cox SWD Drain Pit
Plot Maps**



Elke Environmental, Inc.

P.O. Box 14167 Odessa, Tx 79768

Field Analytical Report Form

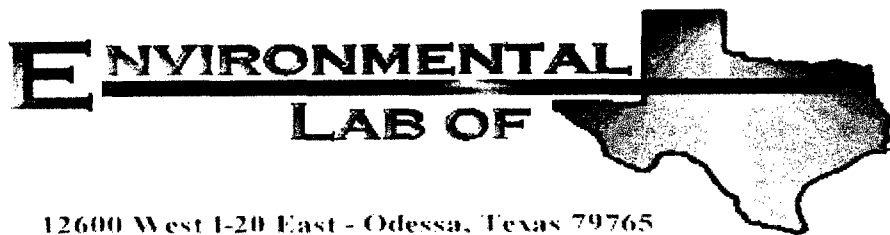
Client: Saber Resources

Analyst: Kim Baker

Site: Cox SWD Drain Pit

Sample ID	Sample Date	Depth	TPH/PPM	CI/PPM	PID/PPM
5 Point Bottom Comp.	5-02-2006	7'		420	
North Wall 4 Point	5-02-2006	7'		720	
East Wall 4 Point	5-02-2006	7'		150	
South Wall 4 Point	5-02-2006	7'		110	
West Wall 4 Point	5-02-2006	7'		390	
Remeadiated Sample	5-02-2006	7'		50	
West Wall 4 Point	5-02-2006	7'		2,020	

Analyst Signature Kim Baker (o) 432-366-0043
(c) 432-889-5654



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kim Baker

Elke Environmental

P.O. Box 14167

Odessa, TX 79768

Project: Cox SWD Drain Pit

Project Number: 3

Location: Saber Resources

Lab Order Number: 6E03018

Report Date: 05/08/06

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

Project: Cox SWD Drain Pit
Project Number: 3
Project Manager: Kim Baker

Fax: (432) 366-0884

Reported:
05/08/06 17:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
North Wall	6E03018-01	Soil	05/02/06 11:30	05/03/06 16:10
East Wall	6E03018-02	Soil	05/02/06 12:00	05/03/06 16:10
South Wall	6E03018-03	Soil	05/02/06 12:30	05/03/06 16:10
West Wall	6E03018-04	Soil	05/02/06 13:00	05/03/06 16:10
Bottom	6E03018-05	Soil	05/02/06 13:30	05/03/06 16:10
Rem. Comp.	6E03018-06	Soil	05/02/06 14:00	05/03/06 16:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
North Wall (6E03018-01) Soil									
Chloride	170	5.00	mg/kg	10	EE60812	05/04/06	05/05/06	EPA 300.0	
East Wall (6E03018-02) Soil									
Chloride	26.2	5.00	mg/kg	10	EE60812	05/04/06	05/05/06	EPA 300.0	
South Wall (6E03018-03) Soil									
Chloride	192	10.0	mg/kg	20	EE60812	05/04/06	05/05/06	EPA 300.0	
West Wall (6E03018-04) Soil									
Chloride	19.8	5.00	mg/kg	10	EE60812	05/04/06	05/05/06	EPA 300.0	
Bottom (6E03018-05) Soil									
Chloride	17.4	5.00	mg/kg	10	EE60812	05/04/06	05/05/06	EPA 300.0	
Rem. Comp. (6E03018-06) Soil									
Chloride	349	10.0	mg/kg	20	EE60812	05/04/06	05/05/06	EPA 300.0	

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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 EE60812 - Water Extraction										
Blank (EE60812-BLK1)				Prepared & Analyzed: 05/05/06						
Chloride	ND	0.500	mg/kg							
LCS (EE60812-BS1)				Prepared & Analyzed: 05/05/06						
Chloride	10.5	0.500	mg/kg	10.0		105	80-120			
Calibration Check (EE60812-CCV1)				Prepared & Analyzed: 05/05/06						
Chloride	9.83		mg/L	10.0		98.3	80-120			
Duplicate (EE60812-DUP1)				Source: 6E03018-01 Prepared: 05/04/06 Analyzed: 05/05/06						
Chloride	176	5.00	mg/kg		170			3.47	20	

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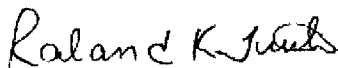
Fax: (432) 366-0884

Reported:
05/08/06 17:21

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:



Date:

5/8/2006

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.

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KIM BAKER
Company Name: ELKE ENVIRONMENTAL
Company Address: PO BOX 14167
City/State/Zip: DALLAS TX 79768

Telephone No: 432-366-0043 Fax No: 432-366-

Sampler Signature: Tim Barber

[illegible]

Variance / Corrective Action Report – Sample Log-In

Client: Elke Env.

e/Time: 5/3/06 4:10

Order #: WE0308

Initials: CR

Sample Receipt Checklist

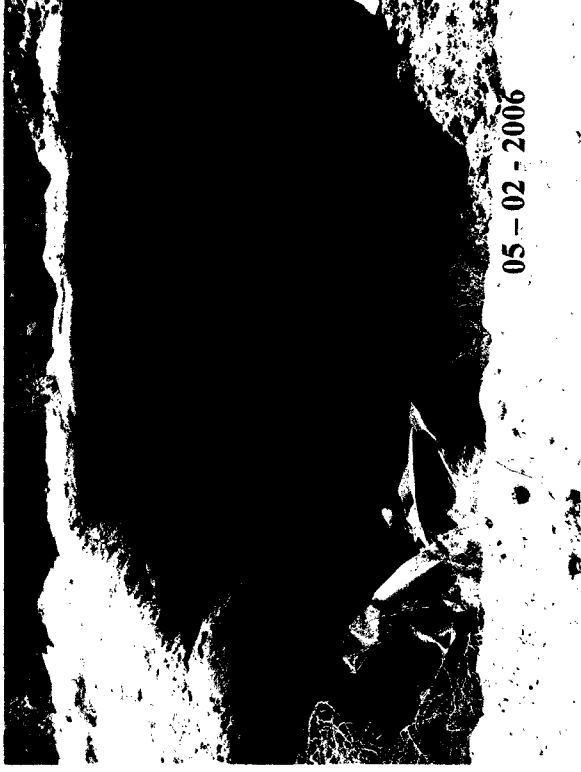
Temperature of container/cooler?	Yes	No	2.5	C
Shipping container/cooler in good condition?	☒	No		
Custody Seals intact on shipping container/cooler?	Yes	No	<u>Not present</u>	
Custody Seals intact on sample bottles?	☒	No	Not present	
Chain of custody present?	☒	No		
Sample Instructions complete on Chain of Custody?	☒	No		
Chain of Custody signed when relinquished and received?	☒	No		
Chain of custody agrees with sample label(s)	☒	No		
Container labels legible and intact?	☒	No		
Sample Matrix and properties same as on chain of custody?	☒	No		
Samples in proper container/bottle?	☒	No		
Samples properly preserved?	☒	No		
Sample bottles intact?	☒	No		
Preservations documented on Chain of Custody?	☒	No		
Containers documented on Chain of Custody?	☒	No		
Sufficient sample amount for indicated test?	☒	No		
All samples received within sufficient hold time?	☒	No		
VOC samples have zero headspace?	Yes	No	<u>Not Applicable</u>	

ier observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____
Regarding: _____

Corrective Action Taken:



Beginning West to East



Final Excavation South to North



Beginning South to North



Final Excavation East to West



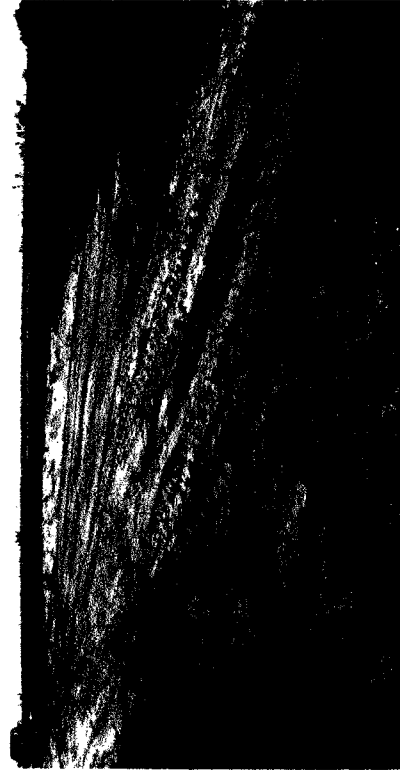
Final Excavation West to East



Final Excavation North to South



Final East to West



Final North to South



Final West to East



Final South to North

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
70 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 ☐

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

Operator: <u>Saber Resources, LLC</u> Telephone: <u>432-687-1664</u> e-mail address: _____		
Address: <u>400 W. Illinois, Suite 950, Midland, Texas 79701</u>		
Facility or well name: <u>J. G. Cox #1 SWD</u> API #: <u>30-025-07303</u> U/L or Qtr/Qtr C <u>Sec 13</u> T <u>17s</u> R38e		
County: <u>Lea</u> Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐		
Surface Owner: Federal X ☐ State ☐ Private ☐ Indian ☐		
Pit Type: Drilling ☐ Production ☐ Disposal ☐ Workover X ☐ Emergency ☐ Lined X ☐ Unlined ☐ Liner type: Synthetic X ☐ Thickness _____ mil Clay ☐ Pit Volume <u>700</u> 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.)	Less than 50 feet	(20 points)
	50 feet or more, but less than 100 feet	(10 points) X
	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) X
	No	(0 points)
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)		30 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 X ☐ offsite ☐ 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 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 - This 25 ft. x 40 ft. lined pit approximately 250 ft. east of the well been unused and has a liner and 6" poly line from the cellar of the well. The 6" line will be plugged, the liner removed and disposed of at an approved disposal site. The bottom and sides of the pit will be sampled for chlorides contamination. Any contamination above 1,000 ppm <u>250 ppm</u> will be excavated and hauled to an approved site. The pit will then be backfilled with clean native soil and graded to prevent pooling. Start date: unk. Finish date: unk A GPS reading of the pit site will be included in the closure report.
The NMOCD Hobbs office will be notified at least 48 hrs. before commencing of closure work.

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: 2-13-06

Printed Name/Title C. H. Kerby/Agent

Signature C. H. Kerby

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 _____

Signature _____

Date: _____

District I
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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: Saber Resources LLC. Telephone: 432-6876-1664 e-mail address: _____		
Address: 400 West Illinois, Suite 950 Midland, Texas 79701 _____		
Facility or well name: J.G. Cox #1 SWD API #: 30-025-07303 U/L or Qtr/Qtr C _____ Sec 13 _____ T 17s _____ R 38e _____		
County: Lea Latitude 32°50'24N Longitude 103°05'57"W 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 700 _____ 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.)	Less than 50 feet	(20 points)
	50 feet or more, but less than 100 feet	(10 points)x
	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)x
	No	(0 points)
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)
Ranking Score (Total Points)		30

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Additional Comments: After removing liner pit side walls and bottom were sampled separately the west side wall was above 1,000 ppm all other walls and bottom were all under 1,000 ppm. Elke excavated the west wall two feet resampled and the results were 390 ppm. Elke removed all the berms and blended it with the material removed from the west wall. Elke tested the spoil pile it tested at 50 ppm; the material was backfilled and leveled. Liner was hauled to an approved disposal.

START AND END DATE 5-2-06 KB

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: 5-15-06

Printed Name/Title: KEM BAKER / FIELD SUPERVISOR Signature: *[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:

Printed Name/Title: L JOHNSON - ENVIRO ENGR

Signature: *[Signature]*

Date: 6-26-09