

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 ☒

Final Report

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

Operator: <u>EOG Resources, Inc.</u> Telephone: <u>432-686-3600</u> e-mail address: <u>Bgrigry@msn.com</u>		
Address: <u>P O Box 2267 Midland, TX 79702</u>		
Facility or well name: <u>Seine A6 Fee #1H</u> API #: <u>30-015-35106</u> U/L or Qtr/Qtr <u>A</u> Sec <u>6</u> T <u>16S</u> R <u>25E</u>		
County <u>Eddy</u> Latitude _____ Longitude _____ NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/>		
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" 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 checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>10300</u> 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.)	Less than 50 feet	(20 points) XXX
	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) XXX
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) XXX
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 CRI 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. All drilling mud and liner was hauled to CRI Disposal. After all drilling mud and liner was removed the bottoms of the drilling pit were sampled per NMOCD Guidelines, with all samples meeting NMOCD standards for this site. The drilling pit was backfilled with clean native soil and contoured to the surrounding area.

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: 6/11/08
Printed Name/Title: Brett Grigry Signature: Brett Grigry

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: _____
Accepted for record
NMOCD
Date: JUN 23 2008

Closure Report

JUN 20 2008
OCD-ARTESIA

Prepared for
EOG Resources

Seine A 6 Fee #1H
API # 30-015-35106
Eddy County, NM

Prepared by
Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768
Phone (432) 366-0043 Fax (432) 366-0884

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768
Phone (432) 366-0043 Fax (432) 366-0884

June 2, 2008

New Mexico Oil Conservation Division
Mr. Mike Bratcher
1301 West Grand Ave.
Artesia, New Mexico 88210

Re: Drilling Pit Closure of EOG Resources – Seine A 6 Fee #1H
UL 'A' Sec. 6 T16S R25E Eddy County, NM
API # 30-015-35106

Mr. Mike Bratcher,

Elke Environmental was contracted by EOG Resources to complete the closure of the Seine A 6 Fee #1H drilling pit. The drilling mud and liner was excavated and hauled to CRI Disposal. A total of 1,742 yds³ was hauled to CRI Disposal. After all drilling mud and liner was removed the bottom bottoms was sampled per NMOCD Guidelines and all points met NMOCD standards. The site was then backfilled with clean native soil and contoured to the surrounding area. If you have any questions about the enclosed report please contact me at the office.

Sincerely,

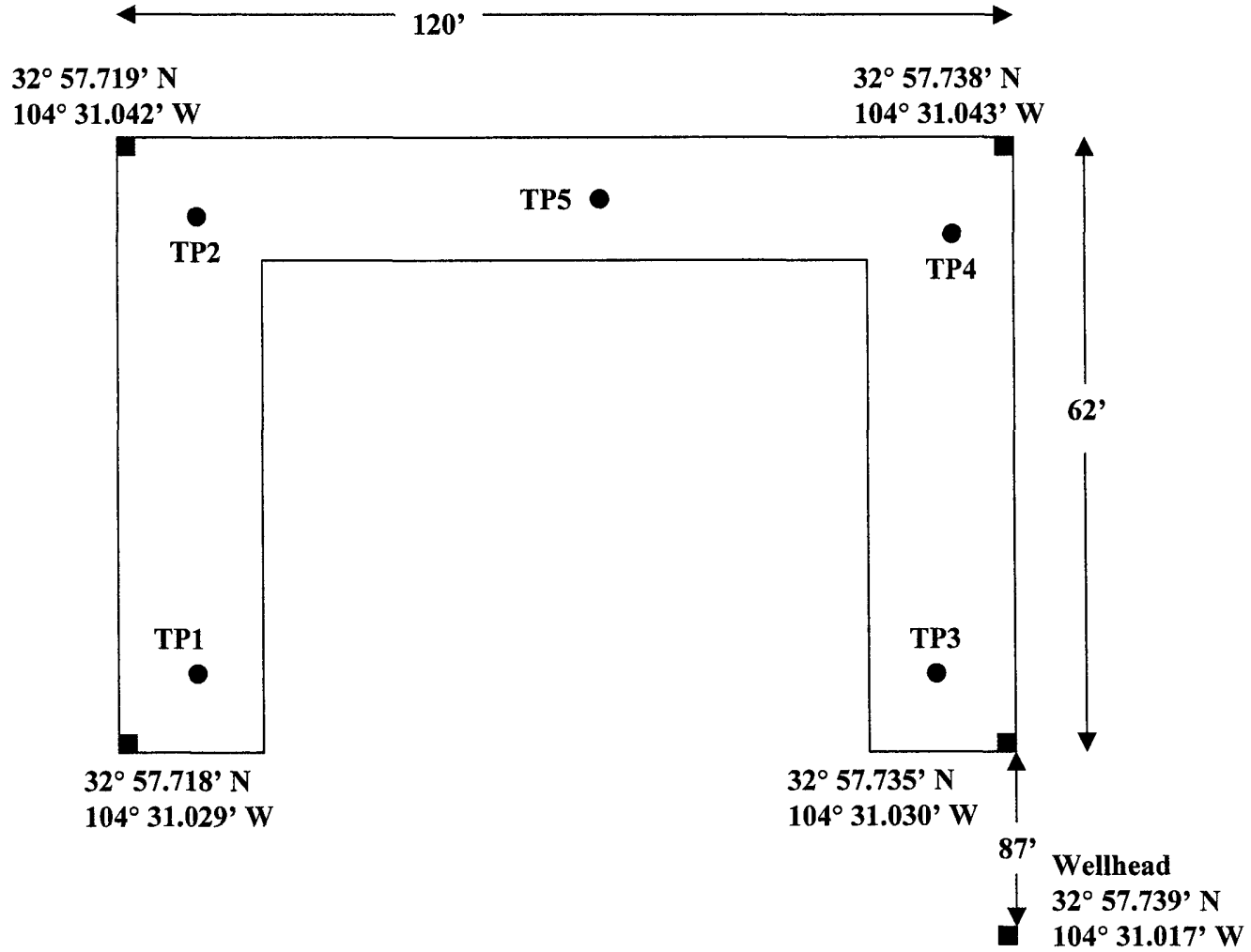


Logan Anderson

EOG Resources
Seine A 6 Fee #1H



Plat Map



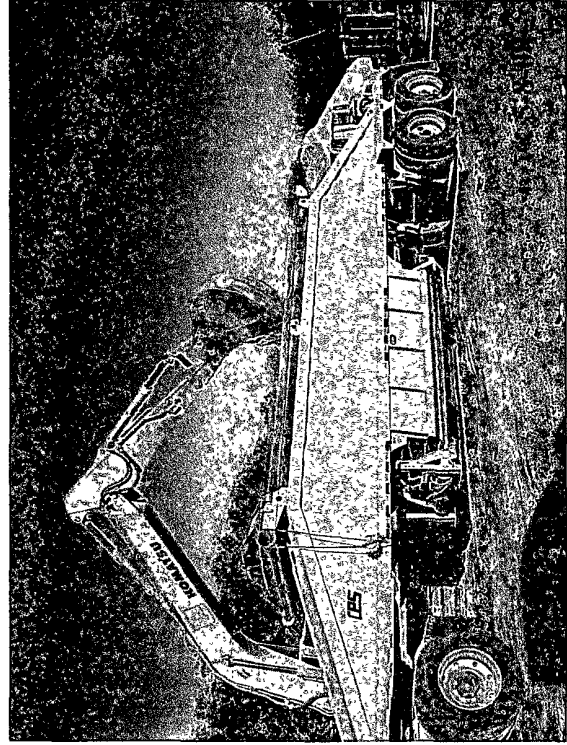
EOG Resources – Seine A 6 Fee #1H



Drilling pit before closure.



Drilling pit before closure.



Drilling mud being loaded to be hauled to CRI Disposal.



TP3 and TP4 after sampling per NMOCD Guidelines.

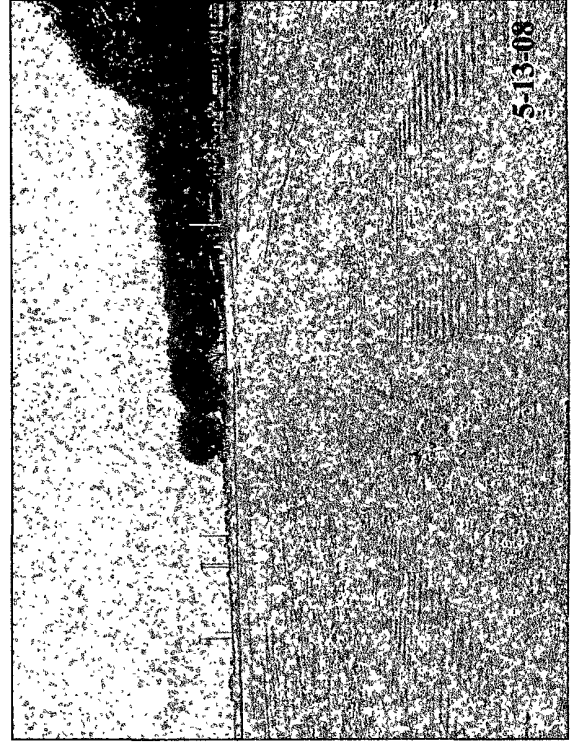
EOG Resources – Seine A 6 Fee #1H



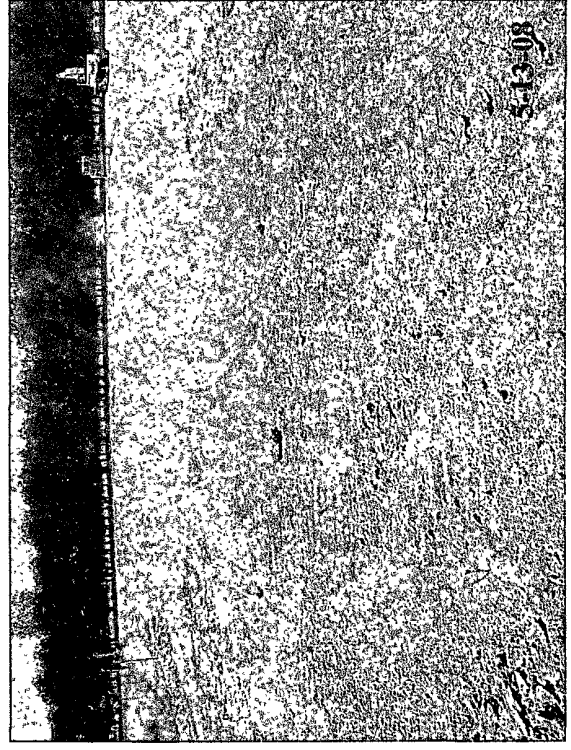
TP1 and TP2 after sampling per NMOCD Guidelines.



TP5 after sampling per NMOCD Guidelines.



Drilling pit after backfill and contouring to area.



Drilling pit after backfill and contouring to area.

Analytical Report 304092

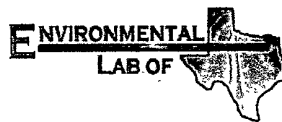
for

Elke Environmental, Inc.

Project Manager: Logan Anderson

FOG Resources

21-MAY-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta



21-MAY-08

Project Manager: **Logan Anderson**
Elke Environmental, Inc.
4817 Andrews Hwy
P.O. Box 14167 Odessa, tx 79768
Odessa, TX 79762

Reference: XENCO Report No: **304092**
FOG Resources
Project Address: Seine A6 Fee # 1H

Logan Anderson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 304092. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 304092 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Certified and approved by numerous States and Agencies.

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Sample Cross Reference 304092



Elke Environmental, Inc., Odessa, TX

FOG Resources

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP1 @ 10'	S	May-08-08 14:00	10 ft	304092-001
TP2 @ 10'	S	May-08-08 14:30	10 ft	304092-002
TP3 @ 10'	S	May-08-08 15:00	10 ft	304092-003
TP4 @ 10'	S	May-08-08 15:30	10 ft	304092-004
TP5 @ 10'	S	May-08-08 16:00	10 ft	304092-005



Certificate of Analysis Summary 304092

Elke Environmental, Inc., Odessa, TX

Project Name: FOG Resources

Project Id:

Contact: Logan Anderson

Project Location: Seine A6 Fee # 1H

Date Received in Lab: Sat May-17-08 09:56 am


Report Date: 21-MAY-08

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	304092-001	304092-002	304092-003	304092-004	304092-005	
	Field Id:	TP1 @ 10'	TP2 @ 10'	TP3 @ 10'	TP4 @ 10'	TP5 @ 10'	
	Depth:	10 ft	10 ft	10 ft	10 ft	10 ft	
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sampled:	May-08-08 14:00	May-08-08 14:30	May-08-08 15:00	May-08-08 15:30	May-08-08 16:00	
Inorganic Anions by EPA 300	Extracted:						
	Analyzed:	May-21-08 20:52	May-21-08 20:52	May-21-08 20:52	May-21-08 20:52	May-21-08 05:06	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		ND 20.0	ND 20.0	ND 20.0	ND 20.0	ND 20.0	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi


Brent Barron
Odessa Laboratory Director



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
 - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
 - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
 - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
 - F** RPD exceeded lab control limits.
 - J** The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
 - U** Analyte was not detected.
 - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
 - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
 - K** Sample analyzed outside of recommended hold time.
- * Outside XENCO'S scope of NELAC Accreditation

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9701 Harry Hines Blvd , Dallas, TX 75220
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238
2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014
6017 Financial Dr., Norcross, GA 30071

Phone	Fax
(281) 589-0692	(281) 589-0695
(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(770) 449-8800	(770) 449-5477



Blank Spike Recovery



Project Name: FOG Resources

Work Order #: 304092

Project ID:

Lab Batch #: 723212

Sample: 723212-1-BKS

Matrix: Solid

Date Analyzed: 05/21/2008

Date Prepared: 05/21/2008

Analyst: IRO

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	10.0	11.3	113	75-125	

Lab Batch #: 723230

Sample: 723230-1-BKS

Matrix: Solid

Date Analyzed: 05/21/2008

Date Prepared: 05/21/2008

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	10.0	10.8	108	75-125	

Blank Spike Recovery [D] = $100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.



Form 3 - MS Recoveries



Project Name: FOG Resources

Work Order #: 304092

Lab Batch #: 723212

Date Analyzed: 05/21/2008

QC- Sample ID: 304082-001 S

Reporting Units: mg/kg

Project ID:

Analyst: IRO

Date Prepared: 05/21/2008

Batch #: 1

Matrix: Soil

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	222	420	562	81	75-125	

Lab Batch #: 723230

Date Analyzed: 05/21/2008

QC- Sample ID: 304092-005 S

Reporting Units: mg/kg

Date Prepared: 05/21/2008

Analyst: LATCOR

Batch #: 1

Matrix: Soil

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	ND	400	317	79	75-125	

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$

Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$

All Results are based on MDL and Validated for QC Purposes



Sample Duplicate Recovery



Project Name: FOG Resources

Work Order #: 304092

Lab Batch #: 723212
Date Analyzed: 05/21/2008
QC- Sample ID: 304082-001 D
Reporting Units: mg/kg

Date Prepared: 05/21/2008
Batch #: 1

Project ID:
Analyst: IRO
Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Inorganic Anions by EPA 300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	222	217	2	20	

Lab Batch #: 723230
Date Analyzed: 05/21/2008
QC- Sample ID: 304092-005 D
Reporting Units: mg/kg

Date Prepared: 05/21/2008
Batch #: 1

Analyst: LATCOR
Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Inorganic Anions by EPA 300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	ND	ND	NC	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$
All Results are based on MDL and validated for QC purposes

A Xenco Laboratories Company

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 Logan Anderson

Project Name fire resources

Company Name Elke Environmental

Project # _____

Company Address P O Box 14167

Project Loc: SE-7 mi NW, FCC # 111

City/State/Zip Odessa, TX 79768

PO#

Telephone No 432-366-0043

Fax No 432-366-0884

Report Format ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: *John Baker*

e-mail la_elkeenv@yahoo.com

ab use only)

ORDER #: 3040972

[illegible]

Special Instructions:

Laboratory Comments:

by the author

Date _____

5,72

Received by	
-------------	--

Date: _____

DATE

ה'תשס"ח

Date _____

750

Received by

DATE

100%

elinguished by

Date

Time

Received by	
-------------	--

Qat

Time

Laboratory Comments:		
Sample Container's Intact?		N
VOC's Free of Headspace?		N
Labels on container(s)		N
Custody seals on container(s)		N
Custody seals on cooler(s)		N
Sample Hand Delivered		N
Sample's Content Rep?		N
by <u>Dr. J. Smith</u> UFS	Dr.	FedEx
400 4100		Line Sign
Temperature Upon Receipt		65 °C

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client LIKE ENV.
Date/ Time 5/17/08 9:56
Lab ID # 304092
Initials CL

Sample Receipt Checklist

				Client Initials
#1 Temperature of container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<u>62.5</u> °C	
#2 Shipping container in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#3 Custody Seals intact on shipping container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Present	
#5 Chain of Custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#6 Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#7 Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#8 Chain of Custody agrees with sample label(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	ID written on Cont / Lid	
#9 Container label(s) legible and intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#11 Containers supplied by ELDT?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#12 Samples in proper container/ bottle?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#13 Samples properly preserved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#14 Sample bottles intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#15 Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#16 Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#17 Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#18 All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#19 Subcontract of sample(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	
#20 VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> 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