

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 ☒

Final Report

Operator: J. Cleo Thompson Telephone: (432) 550-8887 e-mail address: jctwest@nts-online.net
Address: P. O. Box 12577 Odessa, TX 79768-2577
Facility or well name: JCT Federal 24 #1 API #: 30-025-38569 U/L or Qtr/Qtr A Sec 24 T 9S R 37E
County: Lea Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

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 <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>12,000</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) 50 feet or more, but less than 100 feet (10 points) 100 feet or more (0 points) XXX
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) 0 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 _____. (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: Excess water was removed from the pit. Two burial pits were constructed and lined with a 12 mil poly liner. The drilling pit contents were mixed with dry soil to stiffen the mud then placed in the burial pits. After all were placed in the burial pits, the burial pits were capped with a 20 mil poly liner overlapping 3' in all directions and a minimum of 3 ft. below ground surface. The drilling pit bottom was sampled per NMOCD Guidelines and met NMOCD standards. The site was backfilled with clean native soil and seeded with BLM Mixture #2.
Work began on 6-4-08 and was completed on 6-30-08

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: 7/21/08
Printed Name/Title: J.E. STEVENS, OPNS MGR Signature: J.E. Stevens
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: [Signature]
Printed Name/Title: _____ Signature: ENVIRONMENTAL ENGINEER Date: 8.17.08

Closure Report

Prepared for
J Cleo Thompson

JCT Federal 24 #1
API # 30-025-38569
Lea 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

July 14, 2008

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

Re: J Cleo Thompson – JCT Federal 24 #1
UL 'A' Sec. 24 T9S R37E Lea County, NM
API # 30-025-38569

Mr. Larry Johnson,

Elke Environmental was contracted by J Cleo Thompson to complete the closure of the JCT Federal 24 #1 drilling pit. As per the C-144 filed and signed by Larry Johnson on 5-29-08 a burial pit was excavated and lined with a 12 mil liner. The drilling mud was mixed with dry soil to stiffen then placed in the burial pit. Once all mud was removed the burial pit was capped with a 20 mil liner overlapping 3' in all directions then backfilled with clean native soil. The pit bottoms were sampled per NMOCD Guidelines and met NMOCD standards for this site. The drilling pit was backfilled with clean native soil and seeded with BLM Seed Mixture #2. If you have any questions about the enclosed report please contact me at the office.

Sincerely,

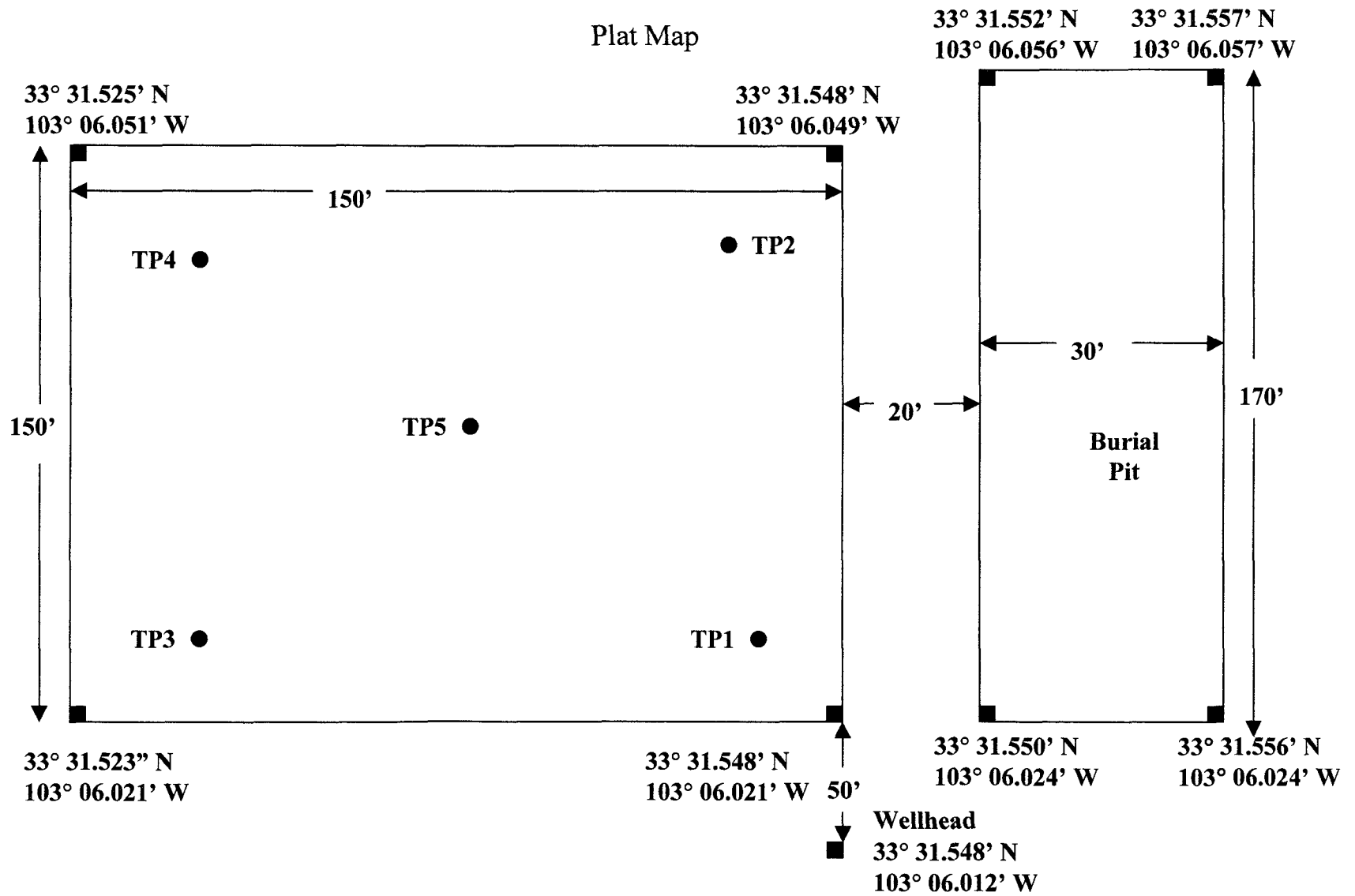
A handwritten signature in black ink, appearing to be 'LA' with a long horizontal stroke extending to the right.

Logan Anderson



J Cleo Thompson
JCT Federal 24 #1

Plat Map



Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

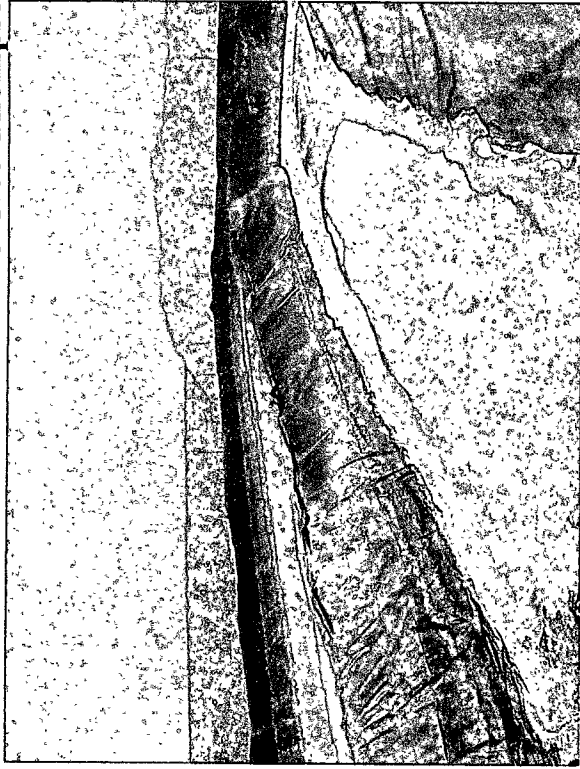
Client J. Cleo Thompson **Analyst** Jason Jessup

Site JCT Federal 24 #1

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
TP1	6-11-08	8'		57	17.1	33° 31.543' N 103° 06.028' W
TP2	6-11-08	8'		56	15.3	33° 31.543' N 103° 06.046' W
TP3	6-11-08	8'		245	9.7	33° 31.527' N 103° 06.028' W
TP4	6-11-08	8'		115	7.3	33° 31.528' N 103° 06.046' W
TP5	6-11-08	8'		198	8.9	33° 31.534' N 103° 06.040' W

Analyst Notes _____

J Cleo Thompson – JCT Federal 24 #1



Drilling pit before closure.



Burial pit lined with a 12 mil poly liner.



Burial pit filled with stiffened mud.

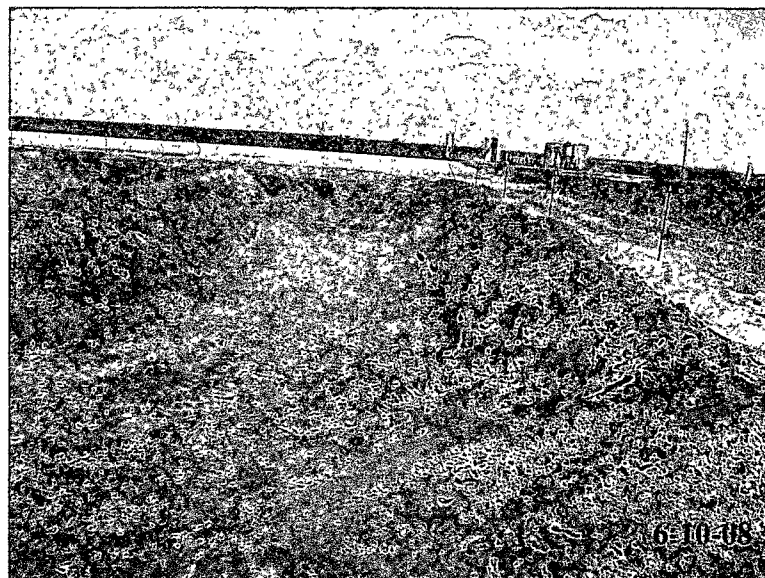


Burial pit capped with a 20 mil poly liner.

J Cleo Thompson – JCT Federal 24 #1



Drilling pit after all mud and liner have been removed.



Drilling pit after all mud and liner have been removed.



Drilling pit and burial pit after backfill of clean native soil and contouring to the surrounding area.



Analytical Report 305816

for

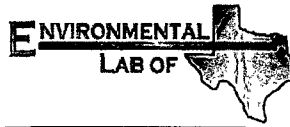
Elke Environmental, Inc.

Project Manager: Logan Anderson

J. Cleo Thompson

JCT Federal 24 # 1

18-JUN-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

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Midland - Corpus Christi - Atlanta



18-JUN-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: **305816**
J. Cleo Thompson
Project Address: Lea Co., NM

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 305816. 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. 305816 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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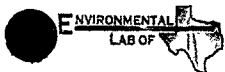
Sample Cross Reference 305816



Elke Environmental, Inc., Odessa, TX

J. Cleo Thompson

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP # 1	S	Jun-11-08 10:00	0 - 8 ft	305816-001
TP # 2	S	Jun-11-08 10:15	0 - 8 ft	305816-002
TP # 3	S	Jun-11-08 10:30	0 - 8 ft	305816-003
TP # 4	S	Jun-11-08 10:45	0 - 8 ft	305816-004
TP # 5	S	Jun-11-08 11:00	0 - 8 ft	305816-005



Certificate of Analysis Summary 305816

Elke Environmental, Inc., Odessa, TX

Project Id: JCT Federal 24 # 1

Contact: Logan Anderson

Project Location: Lea Co., NM

Project Name: J. Cleo Thompson

Date Received in Lab: Fri Jun-13-08 01:20 pm


Report Date: 18-JUN-08

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	305816-001	305816-002	305816-003	305816-004	305816-005	
	Field Id:	TP # 1	TP # 2	TP # 3	TP # 4	TP # 5	
	Depth:	0-8 ft	0-8 ft	0-8 ft	0-8 ft	0-8 ft	
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sampled:	Jun-11-08 10:00	Jun-11-08 10:15	Jun-11-08 10:30	Jun-11-08 10:45	Jun-11-08 11:00	
Inorganic Anions by EPA 300	Extracted:						
	Analyzed:	Jun-16-08 14:51	Jun-16-08 14:51	Jun-16-08 14:51	Jun-16-08 14:51	Jun-16-08 14:51	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		30.2 5.24	13.2 5.39	210 5.70	102 5.28	147 5.34	
Percent Moisture	Extracted:						
	Analyzed:	Jun-14-08 08:20	Jun-14-08 08:20	Jun-14-08 08:20	Jun-14-08 08:20	Jun-14-08 08:20	
	Units/RL:	% RL	% RL	% RL	% RL	% RL	
Percent Moisture		4.50 1.00	7.20 1.00	12.3 1.00	5.32 1.00	6.33 1.00	
TPH by SW8015 Mod	Extracted:	Jun-13-08 14:55	Jun-13-08 14:55	Jun-13-08 14:55	Jun-13-08 14:55	Jun-13-08 14:55	
	Analyzed:	Jun-13-08 18:09	Jun-13-08 18:39	Jun-13-08 19:09	Jun-13-08 19:38	Jun-13-08 20:07	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
C6-C12 Gasoline Range Hydrocarbons		ND 15.7	ND 16.2	ND 17.1	ND 15.8	ND 16.0	
C12-C28 Diesel Range Hydrocarbons		ND 15.7	ND 16.2	ND 17.1	ND 15.8	ND 16.0	
C28-C35 Oil Range Hydrocarbons		ND 15.7	ND 16.2	ND 17.1	ND 15.8	ND 16.0	
Total TPH		ND	ND	ND	ND	ND	

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.

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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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(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



Form 2 - Surrogate Recoveries



Project Name: J. Cleo Thompson

Work Order #: 305816

Project ID: JCT Federal 24 # 1

Lab Batch #: 725455

Sample: 305816-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	70.8	100	71	70-135	
o-Terphenyl	40.1	50.0	80	70-135	

Lab Batch #: 725455

Sample: 305816-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	75.0	100	75	70-135	
o-Terphenyl	42.3	50.0	85	70-135	

Lab Batch #: 725455

Sample: 305816-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	76.3	100	76	70-135	
o-Terphenyl	43.3	50.0	87	70-135	

Lab Batch #: 725455

Sample: 305816-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	75.3	100	75	70-135	
o-Terphenyl	42.5	50.0	85	70-135	

Lab Batch #: 725455

Sample: 305816-004 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	88.1	100	88	70-135	
o-Terphenyl	47.3	50.0	95	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

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



Form 2 - Surrogate Recoveries

Project Name: J. Cleo Thompson



Work Order #: 305816

Project ID: JCT Federal 24 # 1

Lab Batch #: 725455

Sample: 305816-004 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	86.0	100	86	70-135	
o-Terphenyl	47.4	50.0	95	70-135	

Lab Batch #: 725455

Sample: 305816-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	76.7	100	77	70-135	
o-Terphenyl	43.3	50.0	87	70-135	

Lab Batch #: 725455

Sample: 510612-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	82.9	100	83	70-135	
o-Terphenyl	46.4	50.0	93	70-135	

Lab Batch #: 725455

Sample: 510612-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	78.4	100	78	70-135	
o-Terphenyl	44.5	50.0	89	70-135	

Lab Batch #: 725455

Sample: 510612-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	86.5	100	87	70-135	
o-Terphenyl	48.6	50.0	97	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

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



Blank Spike Recovery



Project Name: J. Cleo Thompson

Work Order #: 305816

Project ID:

JCT Federal 24 # 1

Lab Batch #: 725533

Sample: 725533-1-BKS

Matrix: Solid

Date Analyzed: 06/16/2008

Date Prepared: 06/16/2008

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	11.9	119	75-125	

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

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



BS / BSD Recoveries



Project Name: J. Cleo Thompson

Work Order #: 305816

Analyst: ASA

Date Prepared: 06/13/2008

Project ID: JCT Federal 24 # 1

Date Analyzed: 06/13/2008

Lab Batch ID: 725455

Sample: 510612-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
C6-C12 Gasoline Range Hydrocarbons	ND	1000	863	86	1000	879	88	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	860	86	1000	878	88	2	70-135	35	

Relative Percent Difference RPD = $200 * |(D-F)/(D+F)|$

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

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: J. Cleo Thompson

Work Order #: 305816

Lab Batch #: 725533

Date Analyzed: 06/16/2008

QC- Sample ID: 305783-001 S

Reporting Units: mg/kg

Date Prepared: 06/16/2008

Batch #: 1

Project ID: JCT Federal 24 # 1

Analyst: LATCOR

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	8.06	117	149	120	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



Form 3 - S / MSD Recoveries



Project Name: J. Cleo Thompson

Work Order #: 305816

Project ID: JCT Federal 24 # 1

Lab Batch ID: 725455

QC- Sample ID: 305816-004 S

Batch #: 1 Matrix: Soil

Date Analyzed: 06/14/2008

Date Prepared: 06/13/2008

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1060	943	89	1060	911	86	3	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1060	964	91	1060	931	88	3	70-135	35	

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$
Relative Percent Difference $RPD = 200 \cdot (D-G)/(D+G)$

Matrix Spike Duplicate Percent Recovery $[G] = 100 \cdot (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: J. Cleo Thompson

Work Order #: 305816

Lab Batch #: 725533

Date Analyzed: 06/16/2008

QC- Sample ID: 305783-001 D

Reporting Units: mg/kg

Project ID: JCT Federal 24 # 1

Analyst: LATCOR

Batch #: 1

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	8.06	5.78	33	20	F

Lab Batch #: 725395

Date Analyzed: 06/14/2008

QC- Sample ID: 305816-001 D

Reporting Units: %

Date Prepared: 06/14/2008

Analyst: IRO

Batch #: 1

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	4.50	4.21	7	20	

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

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12606 West I-20 East
Odessa, Texas 79765Phone: 432-563-1800
Fax: 432-563-1713Project Manager Logan AndersonCompany Name Eike EnvironmentalCompany Address P O Box 14167City/State/Zip Odessa, TX 79768Telephone No 432-366-0043Sampler Signature Jason JosephFax No 432-366-0884e-mail la_eikeenv@yahoo.comProject Name J. Cleo Thompson
Project # JCT Federal 24#1
Project Loc Lea Co. NM

PO # _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

LAB # (lab use only)		FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Method	ICL	ICL-2	ICL-3	ICL-4	ICL-5	ICL-6	ICL-7	ICL-8	ICL-9	ICL-10	ICL-11	ICL-12	ICL-13	ICL-14	ICL-15	ICL-16	ICL-17	ICL-18	ICL-19	ICL-20	ICL-21	ICL-22	ICL-23	ICL-24	ICL-25	ICL-26	ICL-27	ICL-28	ICL-29	ICL-30	ICL-31	ICL-32	ICL-33	ICL-34	ICL-35	ICL-36	ICL-37	ICL-38	ICL-39	ICL-40	ICL-41	ICL-42	ICL-43	ICL-44	ICL-45	ICL-46	ICL-47	ICL-48	ICL-49	ICL-50	ICL-51	ICL-52	ICL-53	ICL-54	ICL-55	ICL-56	ICL-57	ICL-58	ICL-59	ICL-60	ICL-61	ICL-62	ICL-63	ICL-64	ICL-65	ICL-66	ICL-67	ICL-68	ICL-69	ICL-70	ICL-71	ICL-72	ICL-73	ICL-74	ICL-75	ICL-76	ICL-77	ICL-78	ICL-79	ICL-80	ICL-81	ICL-82	ICL-83	ICL-84	ICL-85	ICL-86	ICL-87	ICL-88	ICL-89	ICL-90	ICL-91	ICL-92	ICL-93	ICL-94	ICL-95	ICL-96	ICL-97	ICL-98	ICL-99	ICL-100	ICL-101	ICL-102	ICL-103	ICL-104	ICL-105	ICL-106	ICL-107	ICL-108	ICL-109	ICL-110	ICL-111	ICL-112	ICL-113	ICL-114	ICL-115	ICL-116	ICL-117	ICL-118	ICL-119	ICL-120	ICL-121	ICL-122	ICL-123	ICL-124	ICL-125	ICL-126	ICL-127	ICL-128	ICL-129	ICL-130	ICL-131	ICL-132	ICL-133	ICL-134	ICL-135	ICL-136	ICL-137	ICL-138	ICL-139	ICL-140	ICL-141	ICL-142	ICL-143	ICL-144	ICL-145	ICL-146	ICL-147	ICL-148	ICL-149	ICL-150	ICL-151	ICL-152	ICL-153	ICL-154	ICL-155	ICL-156	ICL-157	ICL-158	ICL-159	ICL-160	ICL-161	ICL-162	ICL-163	ICL-164	ICL-165	ICL-166	ICL-167	ICL-168	ICL-169	ICL-170	ICL-171	ICL-172	ICL-173	ICL-174	ICL-175	ICL-176	ICL-177	ICL-178	ICL-179	ICL-180	ICL-181	ICL-182	ICL-183	ICL-184	ICL-185	ICL-186	ICL-187	ICL-188	ICL-189	ICL-190	ICL-191	ICL-192	ICL-193	ICL-194	ICL-195	ICL-196	ICL-197	ICL-198	ICL-199	ICL-200	ICL-201	ICL-202	ICL-203	ICL-204	ICL-205	ICL-206	ICL-207	ICL-208	ICL-209	ICL-210	ICL-211	ICL-212	ICL-213	ICL-214	ICL-215	ICL-216	ICL-217	ICL-218	ICL-219	ICL-220	ICL-221	ICL-222	ICL-223	ICL-224	ICL-225	ICL-226	ICL-227	ICL-228	ICL-229	ICL-230	ICL-231	ICL-232	ICL-233	ICL-234	ICL-235	ICL-236	ICL-237	ICL-238	ICL-239	ICL-240	ICL-241	ICL-242	ICL-243	ICL-244	ICL-245	ICL-246	ICL-247	ICL-248	ICL-249	ICL-250	ICL-251	ICL-252	ICL-253	ICL-254	ICL-255	ICL-256	ICL-257	ICL-258	ICL-259	ICL-260	ICL-261	ICL-262	ICL-263	ICL-264	ICL-265	ICL-266	ICL-267	ICL-268	ICL-269	ICL-270	ICL-271	ICL-272	ICL-273	ICL-274	ICL-275	ICL-276	ICL-277	ICL-278	ICL-279	ICL-280	ICL-281	ICL-282	ICL-283	ICL-284	ICL-285	ICL-286	ICL-287	ICL-288	ICL-289	ICL-290	ICL-291	ICL-292	ICL-293	ICL-294	ICL-295	ICL-296	ICL-297	ICL-298	ICL-299	ICL-300	ICL-301	ICL-302	ICL-303	ICL-304	ICL-305	ICL-306	ICL-307	ICL-308	ICL-309	ICL-310	ICL-311	ICL-312	ICL-313	ICL-314	ICL-315	ICL-316	ICL-317	ICL-318	ICL-319	ICL-320	ICL-321	ICL-322	ICL-323	ICL-324	ICL-325	ICL-326	ICL-327	ICL-328	ICL-329	ICL-330	ICL-331	ICL-332	ICL-333	ICL-334	ICL-335	ICL-336	ICL-337	ICL-338	ICL-339	ICL-340	ICL-341	ICL-342	ICL-343	ICL-344	ICL-345	ICL-346	ICL-347	ICL-348	ICL-349	ICL-350	ICL-351	ICL-352	ICL-353	ICL-354	ICL-355	ICL-356	ICL-357	ICL-358	ICL-359	ICL-360	ICL-361	ICL-362	ICL-363	ICL-364	ICL-365	ICL-366	ICL-367	ICL-368	ICL-369	ICL-370	ICL-371	ICL-372	ICL-373	ICL-374	ICL-375	ICL-376	ICL-377	ICL-378	ICL-379	ICL-380	ICL-381	ICL-382	ICL-383	ICL-384	ICL-385	ICL-386	ICL-387	ICL-388	ICL-389	ICL-390	ICL-391	ICL-392	ICL-393	ICL-394	ICL-395	ICL-396	ICL-397	ICL-398	ICL-399	ICL-400	ICL-401	ICL-402	ICL-403	ICL-404	ICL-405	ICL-406	ICL-407	ICL-408	ICL-409	ICL-410	ICL-411	ICL-412	ICL-413	ICL-414	ICL-415	ICL-416	ICL-417	ICL-418	ICL-419	ICL-420	ICL-421	ICL-422	ICL-423	ICL-424	ICL-425	ICL-426	ICL-427	ICL-428	ICL-429	ICL-430	ICL-431	ICL-432	ICL-433	ICL-434	ICL-435	ICL-436	ICL-437	ICL-438	ICL-439	ICL-440	ICL-441	ICL-442	ICL-443	ICL-444	ICL-445	ICL-446	ICL-447	ICL-448	ICL-449	ICL-450	ICL-451	ICL-452	ICL-453	ICL-454	ICL-455	ICL-456	ICL-457	ICL-458	ICL-459	ICL-460	ICL-461	ICL-462	ICL-463	ICL-464	ICL-465	ICL-466	ICL-467	ICL-468	ICL-469	ICL-470	ICL-471	ICL-472	ICL-473	ICL-474	ICL-475	ICL-476	ICL-477	ICL-478	ICL-479	ICL-480	ICL-481	ICL-482	ICL-483	ICL-484	ICL-485	ICL-486	ICL-487	ICL-488	ICL-489	ICL-490	ICL-491	ICL-492	ICL-493	ICL-494	ICL-495	ICL-496	ICL-497	ICL-498	ICL-499	ICL-500	ICL-501	ICL-502	ICL-503	ICL-504	ICL-505	ICL-506	ICL-507	ICL-508	ICL-509	ICL-510	ICL-511	ICL-512	ICL-513	ICL-514	ICL-515	ICL-516	ICL-517	ICL-518	ICL-519	ICL-520	ICL-521	ICL-522	ICL-523	ICL-524	ICL-525	ICL-526	ICL-527	ICL-528	ICL-529	ICL-530	ICL-531	ICL-532	ICL-533	ICL-534	ICL-535	ICL-536	ICL-537	ICL-538	ICL-539	ICL-540	ICL-541	ICL-542	ICL-543	ICL-544	ICL-545	ICL-546	ICL-547	ICL-548	ICL-549	ICL-550	ICL-551	ICL-552	ICL-553	ICL-554	ICL-555	ICL-556	ICL-557	ICL-558	ICL-559	ICL-560	ICL-561	ICL-562	ICL-563	ICL-564	ICL-565	ICL-566	ICL-567	ICL-568	ICL-569	ICL-570	ICL-571	ICL-572	ICL-573	ICL-574	ICL-575	ICL-576	ICL-577	ICL-578	ICL-579	ICL-580	ICL-581	ICL-582	ICL-583	ICL-584	ICL-585	ICL-586	ICL-587	ICL-588	ICL-589	ICL-590	ICL-591	ICL-592	ICL-593	ICL-594	ICL-595	ICL-596	ICL-597	ICL-598	ICL-599	ICL-600	ICL-601	ICL-602	ICL-603	ICL-604	ICL-605	ICL-606	ICL-607	ICL-608	ICL-609	ICL-610	ICL-611	ICL-612	ICL-613	ICL-614	ICL-615	ICL-616	ICL-617	ICL-618	ICL-619	ICL-620	ICL-621	ICL-622	ICL-623	ICL-624	ICL-625	ICL-626	ICL-627	ICL-628	ICL-629	ICL-630	ICL-631	ICL-632	ICL-633	ICL-634	ICL-635	ICL-636	ICL-637	ICL-638	ICL-639	ICL-640	ICL-641	ICL-642	ICL-643	ICL-644	ICL-645	ICL-646	ICL-647	ICL-648	ICL-649	ICL-650	ICL-651	ICL-652	ICL-653	ICL-654	ICL-655	ICL-656	ICL-657	ICL-658	ICL-659	ICL-660	ICL-661	ICL-662	ICL-663	ICL-664	ICL-665	ICL-666	ICL-667	ICL-668	ICL-669	ICL-670	ICL-671	ICL-672	ICL-673	ICL-674	ICL-675	ICL-676	ICL-677	ICL-678	ICL-679	ICL-680	ICL-681	ICL-682	ICL-683	ICL-684	ICL-685	ICL-686	ICL-687	ICL-688	ICL-689	ICL-690	ICL-691	ICL-692	ICL-693	ICL-694	ICL-695	ICL-696	ICL-697	ICL-698	ICL-699	ICL-700	ICL-701	ICL-702	ICL-703	ICL-704	ICL-705	ICL-706	ICL-707	ICL-708	ICL-709	ICL-710	ICL-711	ICL-712	ICL-713	ICL-714	ICL-715	ICL-716	ICL-717	ICL-718	ICL-719	ICL-720	ICL-721	ICL-722	ICL-723	ICL-724	ICL-725	ICL-726	ICL-727	ICL-728	ICL-729	ICL-730	ICL-731	ICL-732	ICL-733	ICL-734	ICL-735	ICL-736	ICL-737	ICL-738	ICL-739	ICL-740	ICL-741	ICL-742	ICL-743	ICL-744	ICL-745	ICL-746	ICL-747	ICL-748	ICL-749	ICL-750	ICL-751	ICL-752	ICL-753	ICL-754	ICL-755	ICL-756	ICL-757	ICL-758	ICL-759	ICL-760	ICL-761	ICL-762	ICL-763	ICL-764	ICL-765	ICL-766	ICL-767	ICL-768	ICL-769	ICL-770	ICL-771	ICL-772	ICL-773	ICL-774	ICL-775	ICL-776	ICL-777	ICL-778	ICL-779	ICL-780	ICL-781	ICL-782	ICL-783	ICL-784	ICL-785	ICL-786	ICL-787	ICL-788	ICL-789	ICL-790	ICL-791	ICL-792	ICL-793	ICL-794	ICL-795	ICL-796	ICL-797	ICL-798	ICL-799	ICL-800	ICL-801	ICL-802	ICL-803	ICL-804	ICL-805	ICL-806	ICL-807	ICL-808	ICL-809	ICL-810	ICL-811	ICL-812	ICL-813	ICL-814	ICL-815	ICL-816	ICL-817	ICL-818	ICL-819	ICL-820	ICL-821	ICL-822	ICL-823	ICL-824	ICL-825	ICL-826	ICL-827	ICL-828	ICL-829	ICL-830	ICL-831	ICL-832	ICL-833	ICL-834	ICL-835	ICL-836	ICL-837	ICL-838	ICL-839	ICL-840	ICL-841	ICL-842	ICL-843	ICL-844	ICL-845	ICL-846	ICL-847	ICL-848	ICL-849	ICL-850	ICL-851	ICL-852	ICL-853	ICL-854	ICL-855	ICL-856	ICL-857	ICL-858	ICL-859	ICL-860	ICL-861	ICL-862	ICL-863	ICL-864	ICL-865	ICL-866	ICL-867	ICL-868	ICL-869	ICL-870	ICL-871	ICL-872	ICL-873	ICL-874	ICL-875	ICL-876	ICL-877	ICL-878	ICL-879	ICL-880	ICL-881	ICL-882	ICL-883	ICL-884	ICL-885	ICL-886	ICL-887	ICL-888	ICL-889	ICL-890	ICL-891	ICL-892	ICL-893	ICL-894	ICL-895	ICL-896	ICL-897	ICL-898	ICL-899	ICL-900	ICL-901	ICL-902	ICL-903	ICL-904	ICL-905	ICL-906	ICL-907	ICL-908	ICL-909	ICL-910	ICL-911	ICL-912	ICL-913	ICL-914	ICL-915	ICL-916	ICL-917	ICL-918	ICL-919	ICL-920	ICL-921	ICL-922	ICL-923	ICL-924	ICL-925	ICL-926	ICL-927	ICL-928	ICL-929	ICL-930	ICL-931	ICL-932	ICL-933	ICL-934	ICL-935	ICL-936	ICL-937	ICL-938	ICL-939	ICL-940	ICL-941	ICL-942	ICL-943	ICL-944	ICL-945	ICL-946	ICL-947	ICL-948	ICL-949	ICL-950	ICL-951	ICL-952	ICL-953	ICL-954	ICL-955	ICL-956	ICL-957	ICL-958	ICL-959	ICL-960	ICL-961	ICL-962	ICL-963	ICL-964	ICL-965	ICL-966
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Environmental Lab of Texas
Variance/ Corrective Action Report - Sample Log-In

Client Elke Env.
Date/ Time 6-13-08 13:20
Lab ID # 303816
Initials al

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.5 °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 ELOT?	<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

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 NMOC 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: J Cleo Thompson Telephone: (432) 550-8887 e-mail address: jctwest@nts-online.net
Address: P. O. Box 12577 Odessa, TX 79768-2577
Facility or well name: JCT Federal 24 #1 API #: 30-025-38569 U/L or Qtr/Qtr A Sec 24 T 9S R 37E
County: Lea Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank
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 <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>12,000</u> bbl	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) 50 feet or more, but less than 100 feet (10 points) 100 feet or more (0 points) XXX
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) 0 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 _____ (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: Excess water will be removed from the pit. A burial pit will be constructed and lined with a 12 mil liner. The drilling pit contents will be mixed with dry soil to stiffen the mud then placed in the burial pit. After all contents are stiffened and placed in the burial pit it will be covered with a 20 mil liner with a minimum of 3 ft. overlap on all sides and a minimum of 3 ft. below ground surface. The burial pit will then be covered with clean native soil. The bottom of the drilling pit will be sampled as per NMOC District Guidelines then backfilled after approval from the OCD. A final report will be submitted at the end of the job.

Notice to Hobbs OCD will be given 48 hrs before the start of the job and any sampling event.

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 NMOC District guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 5-27-08

Printed Name/Title Logan Anderson - Agent

Signature _____

Your certification and NMOC District 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 _____

ENVIRONMENTAL ENGINEER

Date: 5.29.08