

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
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-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

NSEB 0901536478

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company - OXY USA	Contact - Kelton Beaird
Address - 102 S Main Carlsbad, NM 88220	Telephone No. - (O) 505-887-8337 C) 575-390-1903
Facility Name - Indian Basin CTB	Facility Type - Disposal
OLD RANCH KNOLL & FEDERAL DOZ	
Surface Owner - BLM	Mineral Owner - BLM
Lease No.	

3001527674

LOCATION OF RELEASE

Unit Letter N	Section 8	Township 22S	Range 24E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude 32° 24.040' N Longitude 103° 31.360' W

NATURE OF RELEASE

Type of Release - Produced Water	Volume of Release - 15bbls	Volume Recovered - 0 bbls
Source of Release - Discharge Line	Date and Hour of Occurrence 10-27-08	Date and Hour of Discovery 10-27-08 7:15am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jim Amos-BLM (left message). Sherry Bohnam (NMOCD)	
By Whom? Kelton Beaird	Date and Hour See above	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	


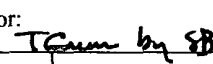
If Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Weld split open on the 45 that ties into the discharge header. Groundwater at the site is > 100' so ranking is 0 points. Wellhead protection ranking is 0 points. Surface body of water ranking is 0 points. Total ranking for site is 0 points.

Describe Area Affected and Cleanup Action Taken.* A delineation of the site was performed and TPH, BTEX and Chloride levels were below NMOCD Guideline levels. No impacted soil at the site.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Kelton Beaird	Approved by District Supervisor: 	
Title: HES Specialist	Approval Date: 1-15-09	Expiration Date: N/A
E-mail Address: kelton_beaird@oxy.com	Conditions of Approval: N/A	Attached <input type="checkbox"/> N/A
Date: 1-9-08	Phone: 575-887-8337	

* Attach Additional Sheets If Necessary

JAN 12 2009
OCD-ARTESIA

Closure Report

Prepared for
Oxy USA

Indian Basin Central Tank Battery 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

December 29, 2008

New Mexico Oil Conservation Division
Attn: Sherry Bohnam
1301 W. Grand Ave
Artesia, New Mexico 88210

Re: Delineation of Spill at Oxy USA – Indian Basin Central Tank Battery
UL 'N' Sec. 8 T22S R24E Eddy County

Mrs. Sherry Bohnam,

Elke Environmental was contracted by Oxy USA to complete the closure of the spill at the Indian Basin Central Tank Battery. A delineation was performed on December 17, 2008. Using the siting criteria outlined on the Final C-141 the ranking for the site is 10 points. The Recommended Action Levels are 250 ppm Chloride, 1,000 ppm TPH and 100 ppm (Field Vapor Analysis) BTEX. All samples taken during the delineation were below the RAL's. Since there is no impacted soil at the site OXY USA request no further action be required at this site. Enclosed are a plat map, field analytical report, lab report and pictures of the delineation. If you have any questions about the enclosed report please contact me at the office.

Sincerely,

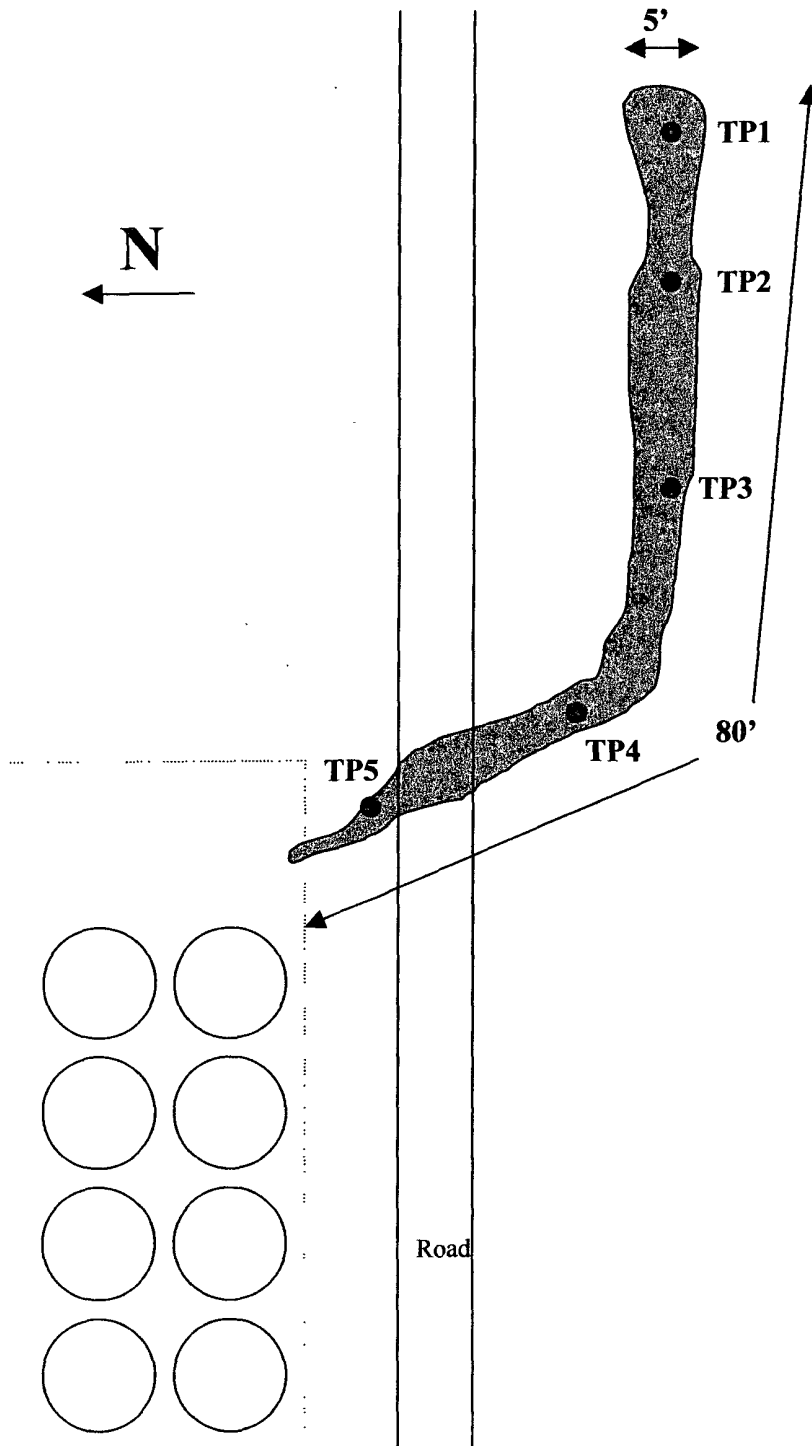


Logan Anderson



Oxy USA
Indian Basin Central Tank Battery

Plat Map



Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

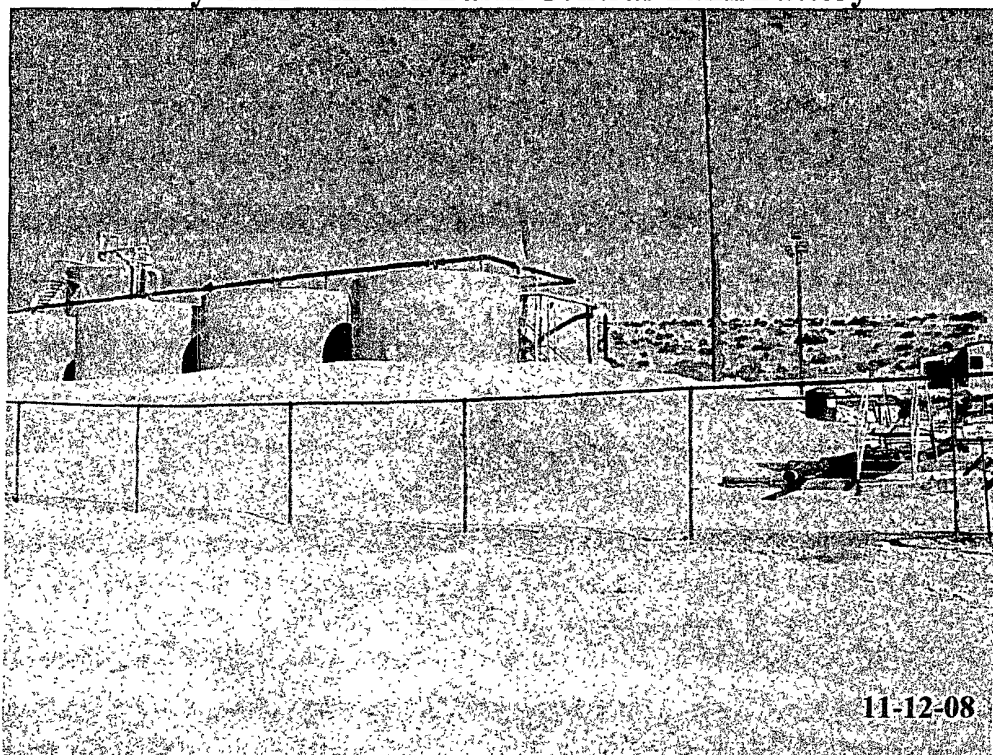
Client Oxy USA **Analyst** Curtis Elam

Site Indian Basin Central Tank Battery

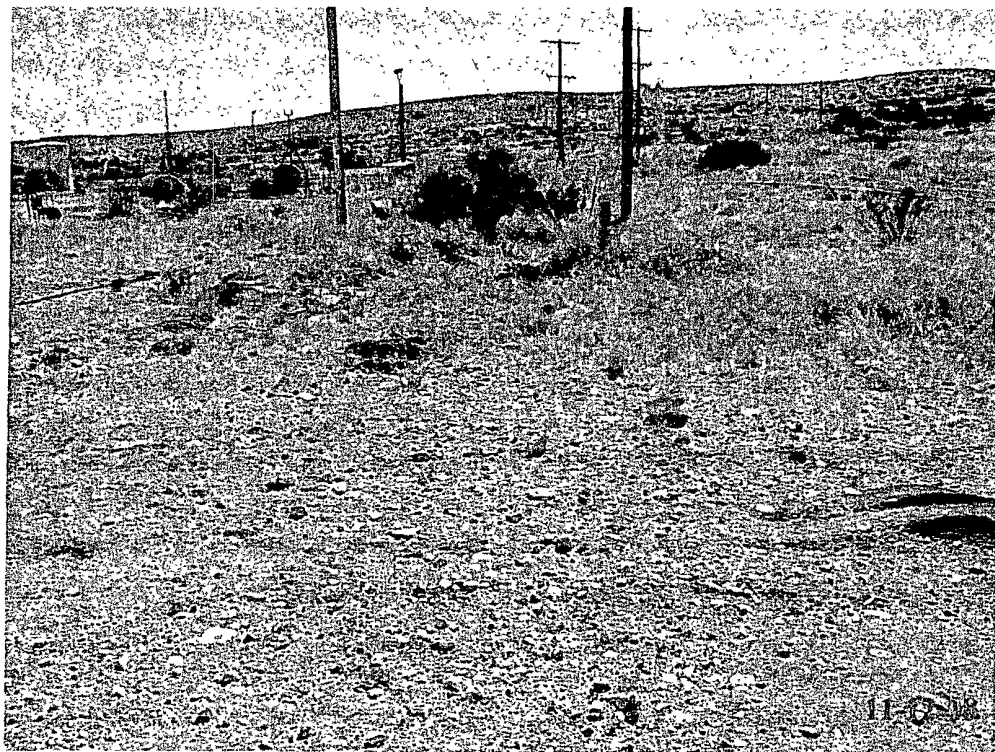
Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
TP1	12-17-08	Surface	76	100	0.0	32° 24.040' N 104° 31.360' W
TP2	12-17-08	Surface	54	125	0.0	32° 24.041' N 104° 31.355' W
TP3	12-17-08	Surface	27	100	0.0	32° 24.040' N 104° 31.350' W
TP4	12-17-08	Surface	38	180	0.0	32° 24.041' N 104° 31.340' W
TP5	12-17-08	Surface	49	200	0.0	32° 24.038' N 104° 31.330' W

Analyst Notes _____

Oxy USA – Indian Basin Central Tank Battery



Indian Basin Central Tank Battery



Spill ran across road and pooled under the telephone poles.

Analytical Report 320893

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Oxy

29-DEC-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:

Houston, TX T104704215-08B-TX - Odessa/Midland, TX T104704400-08-TX

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 - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta**



29-DEC-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: **320893**

Oxy

Project Address: Indian Basin Central Tank Battery

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 320893. 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. 320893 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 320893



Elke Environmental, Inc., Odessa, TX

Oxy

Sample Id

	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP1 @ S	S	Dec-17-08 13:00	Surface	320893-001
TP2 @ S	S	Dec-17-08 13:30	Surface	320893-002
TP3 @ S	S	Dec-17-08 14:00	Surface	320893-003
TP4 @ S	S	Dec-17-08 14:30	Surface	320893-004
TP5 @ S	S	Dec-17-08 15:00	Surface	320893-005



Certificate of Analysis Summary 320893

Elke Environmental, Inc., Odessa, TX



Project Name: Oxy

Project Id:

Date Received in Lab: Dec-19-08 01:45 pm

Contact: Logan Anderson

Report Date: 29-DEC-08

Project Location: Indian Basin Central Tank Battery


Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	320893-001	320893-002	320893-003	320893-004
	Field Id:	TP1 @ S	TP2 @ S	TP3 @ S	TP4 @ S
	Depth:	Surface	Surface	Surface	Surface
	Matrix:	SOIL	SOIL	SOIL	SOIL
	Sampled:	Dec-17-08 13:00	Dec-17-08 13:30	Dec-17-08 14:00	Dec-17-08 14:30
Anions by EPA 300	Extracted:				
	Analyzed:	Dec-20-08 04:31	Dec-20-08 04:31	Dec-20-08 04:31	Dec-20-08 04:31
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		135 5.26	82.5 5.20	107 5.24	133 5.26
Percent Moisture	Extracted:				
	Analyzed:	Dec-19-08 17:00	Dec-19-08 17:00	Dec-19-08 17:00	Dec-19-08 17:00
	Units/RL:	% RL	% RL	% RL	% RL
Percent Moisture		4.99 1.00	3.85 1.00	4.59 1.00	4.87 1.00
TPH By SW8015 Mod	Extracted:	Dec-22-08 11:30	Dec-22-08 11:30	Dec-22-08 11:30	Dec-22-08 11:30
	Analyzed:	Dec-23-08 18:03	Dec-23-08 18:28	Dec-23-08 18:53	Dec-23-08 19:18
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C12 Gasoline Range Hydrocarbons		ND 15.8	ND 15.6	ND 15.7	ND 15.8
C12-C28 Diesel Range Hydrocarbons		ND 15.8	ND 15.6	ND 15.7	ND 15.8
C28-C35 Oil Range Hydrocarbons		ND 15.8	ND 15.6	ND 15.7	ND 15.8
Total TPH		ND 15.8	ND 15.6	ND 15.7	ND 15.8

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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Version 1.008


Brent Barron
Odessa Laboratory Director



Certificate of Analysis Summary 320893

Elke Environmental, Inc., Odessa, TX



Project Name: Oxy

Project Id:

Date Received in Lab: Dec-19-08 01:45 pm

Contact: Logan Anderson

Report Date: 29-DEC-08

Project Location: Indian Basin Central Tank Battery


Project Manager: Brent Barron, II

Analysis Requested		Lab Id:	320893-005			
		Field Id:	TP5 @ S			
		Depth:	Surface			
		Matrix:	SOIL			
		Sampled:	Dec-17-08 15:00			
Anions by EPA 300		Extracted:				
		Analyzed:	Dec-20-08 04:31			
		Units/RL:	mg/kg RL			
Chloride			79.7 5.21			
Percent Moisture		Extracted:				
		Analyzed:	Dec-19-08 17:00			
		Units/RL:	% RL			
Percent Moisture			3.96 1.00			
TPH By SW8015 Mod		Extracted:	Dec-22-08 11:30			
		Analyzed:	Dec-23-08 19:43			
		Units/RL:	mg/kg RL			
C6-C12 Gasoline Range Hydrocarbons			ND 15.6			
C12-C28 Diesel Range Hydrocarbons			ND 15.6			
C28-C35 Oil Range Hydrocarbons			ND 15.6			
Total TPH			ND 15.6			

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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Version 1.008


Brent Barron
Odessa Laboratory Director

- 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 and above the SQL.
- 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.

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 5332 Blackberry Drive, San Antonio TX 78238
 2505 North Falkenburg Rd, Tampa, FL 33619
 5757 NW 158th St, Miami Lakes, FL 33014
 12600 West I-20 East, Odessa, TX 79765
 842 Cantwell Lane, Corpus Christi, TX 78408

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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
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116



Form 2 - Surrogate Recoveries

Project Name: Oxy

Work Orders : 320893,

Project ID:

Lab Batch #: 744634

Sample: 320838-019 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	125	100	125	70-135	
o-Terphenyl	54.5	50.0	109	70-135	

Lab Batch #: 744634

Sample: 320838-019 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	107	100	107	70-135	
o-Terphenyl	43.8	50.0	88	70-135	

Lab Batch #: 744634

Sample: 320893-001 / 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	106	100	106	70-135	
o-Terphenyl	57.5	50.0	115	70-135	

Lab Batch #: 744634

Sample: 320893-002 / 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	102	100	102	70-135	
o-Terphenyl	55.8	50.0	112	70-135	

Lab Batch #: 744634

Sample: 320893-003 / 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	102	100	102	70-135	
o-Terphenyl	55.6	50.0	111	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: Oxy

Work Orders : 320893,

Project ID:

Lab Batch #: 744634

Sample: 320893-004 / 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	94.5	100	95	70-135	
o-Terphenyl	51.3	50.0	103	70-135	

Lab Batch #: 744634

Sample: 320893-005 / 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	105	100	105	70-135	
o-Terphenyl	57.1	50.0	114	70-135	

Lab Batch #: 744634

Sample: 521821-1-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	120	100	120	70-135	
o-Terphenyl	52.7	50.0	105	70-135	

Lab Batch #: 744634

Sample: 521821-1-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	102	100	102	70-135	
o-Terphenyl	57.1	50.0	114	70-135	

Lab Batch #: 744634

Sample: 521821-1-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	119	100	119	70-135	
o-Terphenyl	50.9	50.0	102	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: Oxy

Work Order #: 320893

Project ID:

Lab Batch #: 744262

Sample: 744262-1-BKS

Matrix: Solid

Date Analyzed: 12/20/2008

Date Prepared: 12/20/2008

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

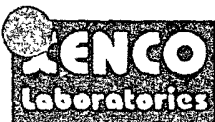
BLANK /BLANK SPIKE RECOVERY STUDY

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	10.1	101	90-110	

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

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

Revision: 1 008



BS / BSD Recoveries



Project Name: Oxy

Work Order #: 320893

Analyst: BHW

Date Prepared: 12/22/2008

Project ID:

Date Analyzed: 12/23/2008

Lab Batch ID: 744634

Sample: 521821-1-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	941	94	1000	947	95	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	1110	111	1000	1100	110	1	70-135	35	

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

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: Oxy

Work Order #: 320893

Lab Batch #: 744262

Date Analyzed: 12/20/2008

QC- Sample ID: 320893-001 S

Reporting Units: mg/kg

Project ID:

Analyst: LATCOR

Date Prepared: 12/20/2008

Batch #: 1

Matrix: Soil

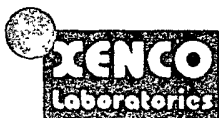
MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	135	105	240	100	80-120	

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

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

All Results are based on MDL and Validated for QC Purposes



Form 3 - S / MSD Recoveries



Project Name: Oxy

Work Order #: 320893

Project ID:

Lab Batch ID: 744634

QC- Sample ID: 320838-019 S

Batch #: 1 Matrix: Soil

Date Analyzed: 12/23/2008

Date Prepared: 12/22/2008

Analyst: BHW

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	1040	1000	96	1040	865	83	15	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1040	1150	111	1040	989	95	16	70-135	35	

Matrix Spike Percent Recovery $[D] = 100 * (C - A) / B$
Relative Percent Difference $RPD = 200 * |(C - F) / (C + F)|$

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

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: Oxy

Work Order #: 320893

Lab Batch #: 744262

Date Analyzed: 12/20/2008

QC- Sample ID: 320893-001 D

Reporting Units: mg/kg

Project ID:

Analyst: LATCOR

Date Prepared: 12/20/2008

Batch #: 1

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by EPA 300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	135	135	0	20	

Lab Batch #: 744268

Date Analyzed: 12/19/2008

QC- Sample ID: 320887-001 D

Reporting Units: %

Date Prepared: 12/19/2008

Batch #: 1

Analyst: MOV

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	10.1	10.0	1	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

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

Version 1 008

A Kanto Laboratories Company

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-583-1800
Fax: 432-583-1713

Project Name: Oxy

Project 8:

Project Loc: Times Canyon Setairite

POB

Fax No: 432-366-0884

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:

e-mail: la_eikserv@yahoo.com

(Lab use only)

ORDER #: 310815

[illegible]

Special instructions:

Requested by:

Date	Particulars	Debit	Credit	Balance
1900				
Jan 1	Balance			
Jan 2	...			
Jan 3	...			
Jan 4	...			
Jan 5	...			
Jan 6	...			
Jan 7	...			
Jan 8	...			
Jan 9	...			
Jan 10	...			
Jan 11	...			
Jan 12	...			
Jan 13	...			
Jan 14	...			
Jan 15	...			
Jan 16	...			
Jan 17	...			
Jan 18	...			
Jan 19	...			
Jan 20	...			
Jan 21	...			
Jan 22	...			
Jan 23	...			
Jan 24	...			
Jan 25	...			
Jan 26	...			
Jan 27	...			
Jan 28	...			
Jan 29	...			
Jan 30	...			
Jan 31	...			
Feb 1	...			
Feb 2	...			
Feb 3	...			
Feb 4	...			
Feb 5	...			
Feb 6	...			
Feb 7	...			
Feb 8	...			
Feb 9	...			
Feb 10	...			
Feb 11	...			
Feb 12	...			
Feb 13	...			
Feb 14	...			
Feb 15	...			
Feb 16	...			
Feb 17	...			
Feb 18	...			
Feb 19	...			
Feb 20	...			
Feb 21	...			
Feb 22	...			
Feb 23	...			
Feb 24	...			
Feb 25	...			
Feb 26	...			
Feb 27	...			
Feb 28	...			
Mar 1	...			
Mar 2	...			
Mar 3	...			
Mar 4	...			
Mar 5	...			
Mar 6	...			
Mar 7	...			
Mar 8	...			
Mar 9	...			
Mar 10	...			
Mar 11	...			
Mar 12	...			
Mar 13	...			
Mar 14	...			
Mar 15	...			
Mar 16	...			
Mar 17	...			
Mar 18	...			
Mar 19	...			
Mar 20	...			
Mar 21	...			
Mar 22	...			
Mar 23	...			
Mar 24	...			
Mar 25	...			
Mar 26	...			
Mar 27	...			
Mar 28	...			
Mar 29	...			
Mar 30	...			
Mar 31	...			
Apr 1	...			
Apr 2	...			
Apr 3	...			
Apr 4	...			
Apr 5	...			
Apr 6	...			
Apr 7	...			
Apr 8	...			
Apr 9	...			
Apr 10	...			
Apr 11	...			
Apr 12	...			
Apr 13	...			
Apr 14	...			
Apr 15	...			
Apr 16	...			
Apr				

THE
LEADER

Received by:

Date	
------	--

YET

Requested by

Date	Particulars	Debit	Credit
1970			
Jan 1	Balance		100.00
Jan 15	By Cash	50.00	
Jan 20	To Cash		25.00
Jan 25	By Cash	75.00	
Jan 30	To Cash		100.00
Feb 5	By Cash	100.00	
Feb 10	To Cash		50.00
Feb 15	By Cash	50.00	
Feb 20	To Cash		75.00
Feb 25	By Cash	75.00	
Feb 28	To Cash		100.00
Mar 5	By Cash	100.00	
Mar 10	To Cash		50.00
Mar 15	By Cash	50.00	
Mar 20	To Cash		75.00
Mar 25	By Cash	75.00	
Mar 30	To Cash		100.00
Apr 5	By Cash	100.00	
Apr 10	To Cash		50.00
Apr 15	By Cash	50.00	
Apr 20	To Cash		75.00
Apr 25	By Cash	75.00	
Apr 30	To Cash		100.00
May 5	By Cash	100.00	
May 10	To Cash		50.00
May 15	By Cash	50.00	
May 20	To Cash		75.00
May 25	By Cash	75.00	
May 30	To Cash		100.00
Jun 5	By Cash	100.00	
Jun 10	To Cash		50.00
Jun 15	By Cash	50.00	
Jun 20	To Cash		75.00
Jun 25	By Cash	75.00	
Jun 30	To Cash		100.00
Jul 5	By Cash	100.00	
Jul 10	To Cash		50.00
Jul 15	By Cash	50.00	
Jul 20	To Cash		75.00
Jul 25	By Cash	75.00	
Jul 30	To Cash		100.00
Aug 5	By Cash	100.00	
Aug 10	To Cash		50.00
Aug 15	By Cash	50.00	
Aug 20	To Cash		75.00
Aug 25	By Cash	75.00	
Aug 30	To Cash		100.00
Sep 5	By Cash	100.00	
Sep 10	To Cash		50.00
Sep 15	By Cash	50.00	
Sep 20	To Cash		75.00
Sep 25	By Cash	75.00	
Sep 30	To Cash		100.00
Oct 5	By Cash	100.00	
Oct 10	To Cash		50.00
Oct 15	By Cash	50.00	
Oct 20	To Cash		75.00
Oct 25	By Cash	75.00	
Oct 30	To Cash		100.00
Nov 5	By Cash	100.00	
Nov 10	To Cash		50.00
Nov 15	By Cash	50.00	
Nov 20	To Cash		75.00
Nov 25	By Cash	75.00	
Nov 30	To Cash		100.00
Dec 5	By Cash	100.00	
Dec 10	To Cash		50.00
Dec 15	By Cash	50.00	
Dec 20	To Cash		75.00
Dec 25	By Cash	75.00	
Dec 30	To Cash		100.00
Total		1000.00	1000.00

1170

Received by

Date _____

Summary

Prerequisites by

Date	Time	Location	Remarks
10/10/2018	10:00




Reviewed by

17 1-1-6

Page
13-4

Laboratory Comments:
 Sample Containers Intact?
 VOCs Free of Headspace?
 Labels on container(s)
 Custody seals on container
 Custody seals on cooler(s)
 Sample Hand Delivered
 by Sampler/Client Rep ?
 by Courier? UPS
 Temperature Log(s) Present

(s) 
 OHL FedEx Long Sta
 40 5

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

Client Elke Env
Date/ Time 12-11-08 13:45
Lab ID # 370313
Initials AL

Sample Receipt Checklist

			Client Initials	
#1	Temperature of container/ cooler?	Yes	No	4.0 °C
#2	Shipping container in good condition?	Yes	No	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present
#5	Chain of Custody present?	Yes	No	
#6	Sample instructions complete of Chain of Custody?	Yes	No	
#7	Chain of Custody signed when relinquished/ received?	Yes	No	
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont / Lid
#9	Container label(s) legible and intact?	Yes	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No	
#11	Containers supplied by ELDT?	Yes	No	
#12	Samples in proper container/ bottle?	Yes	No	See Below
#13	Samples properly preserved?	Yes	No	See Below
#14	Sample bottles intact?	Yes	No	
#15	Preservations documented on Chain of Custody?	Yes	No	
#16	Containers documented on Chain of Custody?	Yes	No	
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below
#18	All samples received within sufficient hold time?	Yes	No	See Below
#19	Subcontract of sample(s)?	Yes	No	Not Applicable
#20	VOC samples have zero headspace?	Yes	No	Not Applicable

Variance Documentation

Contact _____ Contacted by _____ Date/ Time _____

Regarding _____

Corrective Action Taken.

Check all that Apply.

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