

Closure Report

Prepared for

Oxy USA
P O Box 1988
Carlsbad, NM 88210

Old Ranch Canyon 7 Fed #1
API # 30-015-28011
Eddy County, NM

2RP-255

Prepared by

Elke Environmental, Inc.

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

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February 27, 2009

NMOCD


Attn: Mike Bratcher
1301 W. Grand Ave
Artesia, NM 88210

Re: Closure Report for Oxy USA
Old Ranch Canyon 7 Fed #1
2RP-255

Mr. Bratcher,

Oxy USA contracted Elke Environmental to complete the remediation of the spill at the Old Ranch Canyon 7 Fed #1 site. A delineation of the site was completed in December 2008. Due to impenetrable rock the vertical delineation was only completed to 1' in depth. Lab confirmations were obtained at the 1' depth. Due to the hard rock and numerous lines in the area of the spill Kelton Beard (Oxy) obtained verbal approval from Sherry Bohnam (NMOCD) to excavate only 1' in depth. The impacted soil was excavated and hauled to CRI Disposal. Pea gravel was backfilled into the excavation. No reseeded was performed due to the area being inside a battery. Attached is the plat map, field analytical, lab confirmations, disposal tickets, pictures of the project and a Final C-141. If you have any questions about the enclosed report please contact me.

Thanks,



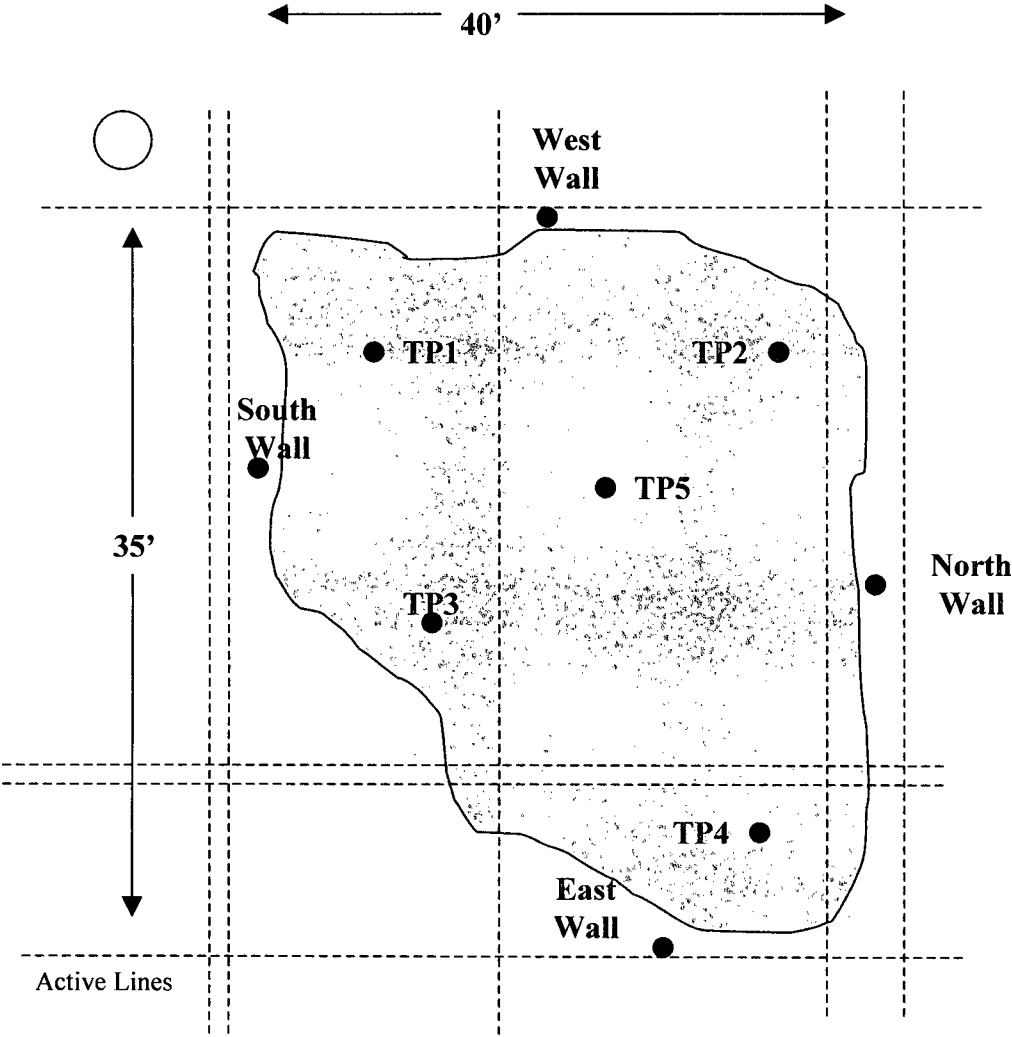
Logan Anderson

3 – Kelton Beard (Oxy USA)
1 – Elke Environmental File

Oxy USA
Old Ranch Canyon 7 Fed #1

Plat Map

N



Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

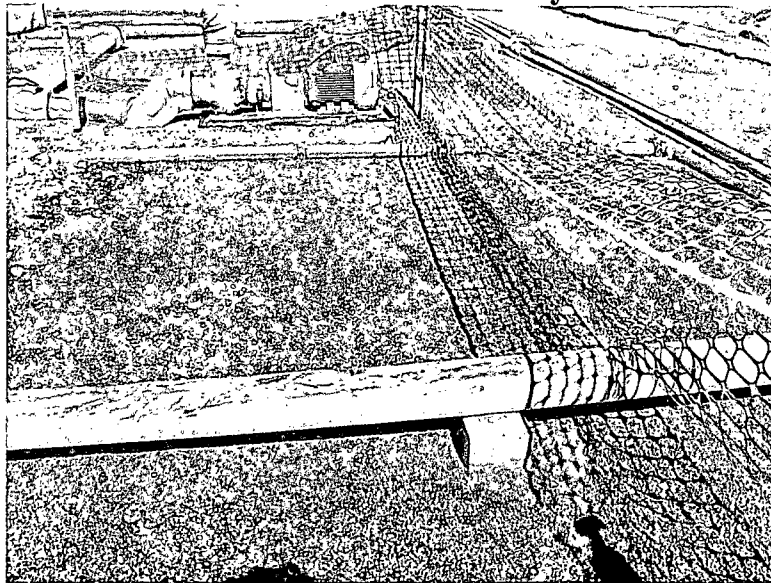
Client Oxy USA **Analyst** Curtis Elam

Site Old Ranch Canyon 7 Fed #1

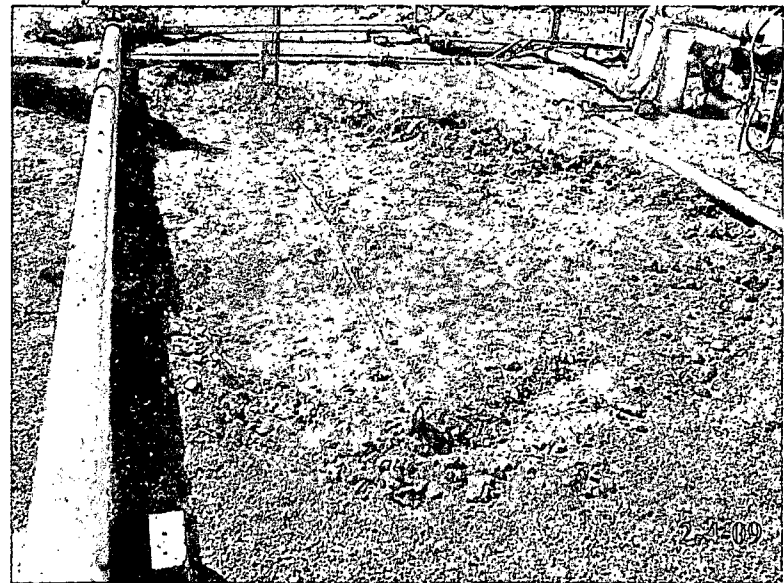
Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
North Wall	2-6-09	6"	597	215	2.1	32° 24.630' N 104° 32.115' W
South Wall	2-6-09	6"	344	245	2.7	32° 24.620' N 104° 32.115' W
East Wall	2-6-09	6"	298	256	0.9	32° 24.625' N 104° 32.111' W
West Wall	2-6-09	6"	617	219	1.1	32° 24.625' N 104° 32.120' W

Analyst Notes Samples for vertical confirmations were analyzed at the lab.

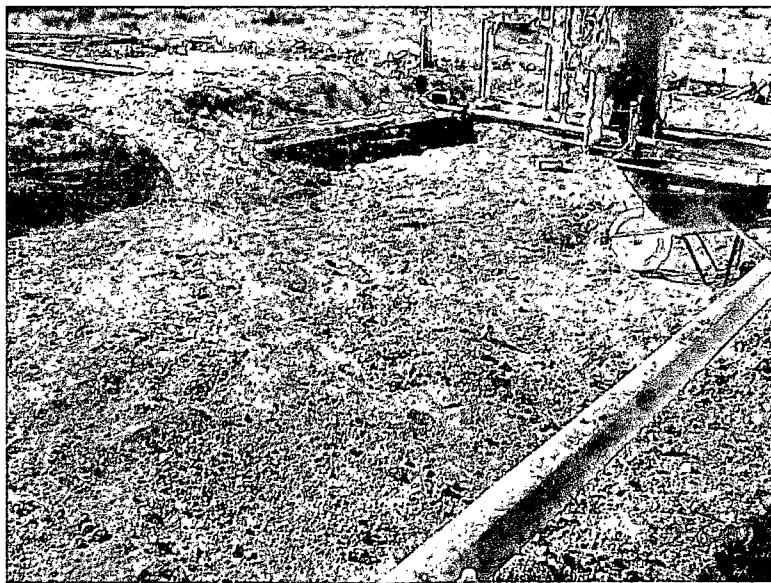
Oxy USA – Old Ranch Canyon 7 Fed #1



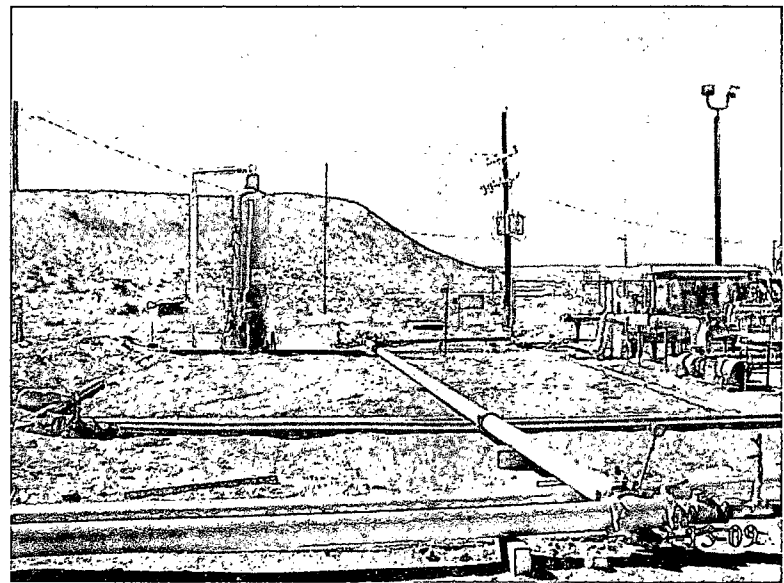
Before remediation of site.



After excavation of impacted soil.



After excavation of impacted soil.



After backfill of pea gravel inside battery.

CONTROLLED RECOVERY, INC.

P.O. Box 388 • Hobbs, New Mexico 88241-0388 • (575) 393-1079 • www.crihobbs.com

NMOCD Order R9166

Bill to _____
Address _____

Company/Generator OVY

Lease Name OLD Ranch Canyon 7 Field

Trucking Company So. Inc Vehicle Number A-96 Driver (Print) Hammon

Date 2-17-09 Time 1:55 a.m. / p.m.

Type of Material

☐ Fluids ☒ Soils
☐ Tank Bottoms ☐ Other Material (List Description Below) Receiving Area 5'

DESCRIPTION

Volume of Material ☐ Bbls. ☒ Yard 18 ☐ Gallons

☐ Wash Out ☐ Call Out ☐ After Hours ☐ Debris Charge

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

☐ CRI Approval # _____

Agent [Signature]
(Signature)

CRI Representative [Signature]
(Signature)

TANK BOTTOMS

	Feet	Inches			
1st Gauge			BS&W/BBLS Received		BS&W %
2nd Gauge			Free Water		
Received			Total Received		

211707

White - CRI

Form C138

Canary - CRI Accounting

Pink - CRI Plant

Gold - Transporter

THE COLOR PRINTER - #7521

Analytical Report 319707

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Oxy

17-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**



17-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: **319707**

Oxy

Project Address: Old Ranch Canyon 7 Fed # 1

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 319707. 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. 319707 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 319707



Elke Environmental, Inc., Odessa, TX

Oxy

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP1 @ 1'	S	Dec-04-08 07:00	1 ft	319707-001
TP2 @ 1'	S	Dec-04-08 07:10	1 ft	319707-002
TP3 @ 1'	S	Dec-04-08 07:20	1 ft	319707-003
TP4 @ 1'	S	Dec-04-08 07:35	1 ft	319707-004
TP5 @ 1'	S	Dec-04-08 07:45	1 ft	319707-005



Certificate of Analysis Summary 319707

Elke Environmental, Inc., Odessa, TX



Project Name: Oxy

Project Id:

Date Received in Lab: Dec-08-08 07:25 am

Contact: Logan Anderson

Report Date: 17-DEC-08

Project Location: Old Ranch Canyon 7 Fed # 1

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	319707-001	319707-002	319707-003	319707-004
	Field Id:	TP1 @ 1'	TP2 @ 1'	TP3 @ 1'	TP4 @ 1'
	Depth:	1 ft	1 ft	1 ft	1 ft
	Matrix:	SOIL	SOIL	SOIL	SOIL
	Sampled:	Dec-04-08 07:00	Dec-04-08 07:10	Dec-04-08 07:20	Dec-04-08 07:35
Anions by EPA 300	Extracted:				
	Analyzed:	Dec-09-08 20:36	Dec-09-08 20:36	Dec-09-08 20:36	Dec-09-08 20:36
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		145 5.67	345 11.1	125 5.32	221 11.3
BTEX by EPA 8021B	Extracted:	Dec-11-08 16:00	Dec-11-08 16:00	Dec-09-08 16:00	Dec-09-08 16:00
	Analyzed:	Dec-12-08 12:05	Dec-12-08 12:29	Dec-10-08 05:04	Dec-10-08 05:28
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		ND 0.0113	ND 0.0111	ND 0.0532	ND 0.0563
Toluene		0.0715 0.0227	0.0573 0.0222	0.9149 0.1064	0.3312 0.1127
Ethylbenzene		0.1363 0.0113	0.0400 0.0111	0.3372 0.0532	0.2214 0.0563
m,p-Xylenes		0.6909 0.0227	0.1971 0.0222	3.013 0.1064	1.200 0.1127
o-Xylene		0.2245 0.0113	0.1030 0.0111	0.9378 0.0532	0.6929 0.0563
Total Xylenes		0.9154 0.0227	0.3001 0.0222	3.9508 0.1064	1.8929 0.1127
Total BTEX		1.1232 0.0113	0.3974 0.0111	5.2029 0.0532	2.4455 0.0563
Percent Moisture	Extracted:				
	Analyzed:	Dec-09-08 17:00	Dec-09-08 17:00	Dec-09-08 17:00	Dec-09-08 17:00
	Units/RL:	% RL	% RL	% RL	% RL
Percent Moisture		11.79 1.00	9.81 1.00	6.00 1.00	11.24 1.00
PH By SW8015 Mod	Extracted:	Dec-10-08 15:00	Dec-12-08 17:00	Dec-12-08 17:00	Dec-12-08 17:00
	Analyzed:	Dec-11-08 23:10	Dec-13-08 01:56	Dec-13-08 02:20	Dec-13-08 02:45
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C12 Gasoline Range Hydrocarbons		150 17.0	304 83.2	471 16.0	119 16.9
C12-C28 Diesel Range Hydrocarbons		1160 17.0	3620 83.2	2580 16.0	692 16.9
C28-C35 Oil Range Hydrocarbons		124 17.0	651 83.2	483 16.0	102 16.9
Total TPH		1434 17.0	4575 83.2	3534 16.0	913 16.9

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: 1.015


Brent Barron

Odessa Laboratory Director



Certificate of Analysis Summary 319707

Elke Environmental, Inc., Odessa, TX



Project Name: Oxy

Project Id:

Date Received in Lab: Dec-08-08 07:25 am

Contact: Logan Anderson

Report Date: 17-DEC-08

Project Location: Old Ranch Canyon 7 Fed # 1


Project Manager: Brent Barron, II

Analysis Requested		Lab Id:	319707-005			
		Field Id:	TP5 @ 1'			
		Depth:	1 ft			
		Matrix:	SOIL			
		Sampled:	Dec-04-08 07:45			
Anions by EPA 300		Extracted:				
		Analyzed:	Dec-09-08 20:36			
		Units/RL:	mg/kg RL			
Chloride			199 10.9			
BTEX by EPA 8021B		Extracted:	Dec-09-08 16:00			
		Analyzed:	Dec-10-08 05:51			
		Units/RL:	mg/kg RL			
Benzene			ND 0.0545			
Toluene			1.089 0.1089			
Ethylbenzene			0.3612 0.0545			
m,p-Xylenes			6.539 0.1089			
o-Xylene			1.015 0.0545			
Total Xylenes			7.554 0.1089			
Total BTEX			9.0042 0.0545			
Percent Moisture		Extracted:				
		Analyzed:	Dec-09-08 17:00			
		Units/RL:	% RL			
Percent Moisture			8.21 1.00			
PH By SW8015 Mod		Extracted:	Dec-12-08 17:00			
		Analyzed:	Dec-13-08 03:09			
		Units/RL:	mg/kg RL			
C6-C12 Gasoline Range Hydrocarbons			243 16.3			
C12-C28 Diesel Range Hydrocarbons			676 16.3			
C28-C35 Oil Range Hydrocarbons			114 16.3			
Total TPH			1033 16.3			

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Version: 1.015


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 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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(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 : 319707,

Project ID:

Lab Batch #: 742972

Sample: 319653-004 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0299	0.0300	100	80-120	
4-Bromofluorobenzene	0.0279	0.0300	93	80-120	

Lab Batch #: 742972

Sample: 319653-004 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0285	0.0300	95	80-120	
4-Bromofluorobenzene	0.0267	0.0300	89	80-120	

Lab Batch #: 742972

Sample: 319707-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0384	0.0300	128	80-120	**
4-Bromofluorobenzene	0.0575	0.0300	192	80-120	**

Lab Batch #: 742972

Sample: 319707-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0379	0.0300	126	80-120	**
4-Bromofluorobenzene	0.0573	0.0300	191	80-120	**

Lab Batch #: 742972

Sample: 319707-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0399	0.0300	133	80-120	**
4-Bromofluorobenzene	0.0338	0.0300	113	80-120	

** 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 : 319707,

Project ID:

Lab Batch #: 742972

Sample: 520818-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0290	0.0300	97	80-120	
4-Bromofluorobenzene	0.0248	0.0300	83	80-120	

Lab Batch #: 742972

Sample: 520818-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0348	0.0300	116	80-120	
4-Bromofluorobenzene	0.0131	0.0300	44	80-120	**

Lab Batch #: 742972

Sample: 520818-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0291	0.0300	97	80-120	
4-Bromofluorobenzene	0.0250	0.0300	83	80-120	

Lab Batch #: 743341

Sample: 319707-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0465	0.0300	155	80-120	**
4-Bromofluorobenzene	0.0637	0.0300	212	80-120	**

Lab Batch #: 743341

Sample: 319707-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0339	0.0300	113	80-120	
4-Bromofluorobenzene	0.0456	0.0300	152	80-120	**

** 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 : 319707,

Project ID:

Lab Batch #: 743341

Sample: 319827-007 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0295	0.0300	98	80-120	
4-Bromofluorobenzene	0.0258	0.0300	86	80-120	

Lab Batch #: 743341

Sample: 319827-007 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0294	0.0300	98	80-120	
4-Bromofluorobenzene	0.0256	0.0300	85	80-120	

Lab Batch #: 743341

Sample: 521031-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0325	0.0300	108	80-120	
4-Bromofluorobenzene	0.0260	0.0300	87	80-120	

Lab Batch #: 743341

Sample: 521031-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0346	0.0300	115	80-120	
4-Bromofluorobenzene	0.0098	0.0300	33	80-120	**

Lab Batch #: 743341

Sample: 521031-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

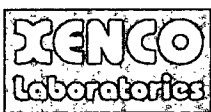
SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0307	0.0300	102	80-120	
4-Bromofluorobenzene	0.0257	0.0300	86	80-120	

** 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 : 319707,

Project ID:

Lab Batch #: 743295

Sample: 319691-008 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	100	108	70-135	
o-Terphenyl	43.5	50.0	87	70-135	

Lab Batch #: 743295

Sample: 319691-008 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	45.7	50.0	91	70-135	

Lab Batch #: 743295

Sample: 319707-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	88.9	100	89	70-135	
o-Terphenyl	46.6	50.0	93	70-135	

Lab Batch #: 743295

Sample: 521002-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	45.7	50.0	91	70-135	

Lab Batch #: 743295

Sample: 521002-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.9	100	92	70-135	
o-Terphenyl	50.7	50.0	101	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 : 319707,

Project ID:

Lab Batch #: 743295

Sample: 521002-1-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	111	100	111	70-135	
o-Terphenyl	44.4	50.0	89	70-135	

Lab Batch #: 743423

Sample: 319707-002 / 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	91.8	100	92	70-135	
o-Terphenyl	49.7	50.0	99	70-135	

Lab Batch #: 743423

Sample: 319707-003 / 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	106	100	106	70-135	
o-Terphenyl	46.2	50.0	92	70-135	

Lab Batch #: 743423

Sample: 319707-004 / 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	96.9	100	97	70-135	
o-Terphenyl	54.0	50.0	108	70-135	

Lab Batch #: 743423

Sample: 319707-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

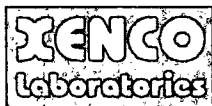
SURROGATE RECOVERY STUDY					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	98.5	100	99	70-135	
o-Terphenyl	53.1	50.0	106	70-135	

** 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 : 319707,

Project ID:

Lab Batch #: 743423

Sample: 319827-001 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	106	100	106	70-135	
o-Terphenyl	50.7	50.0	101	70-135	

Lab Batch #: 743423

Sample: 319827-001 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	51.6	50.0	103	70-135	

Lab Batch #: 743423

Sample: 521063-1-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	105	100	105	70-135	
o-Terphenyl	57.2	50.0	114	70-135	

Lab Batch #: 743423

Sample: 521063-1-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	88.6	100	89	70-135	
o-Terphenyl	46.3	50.0	93	70-135	

Lab Batch #: 743423

Sample: 521063-1-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	104	100	104	70-135	
o-Terphenyl	50.4	50.0	101	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

ork Order #: 319707

Project ID:

Lab Batch #: 742922

Sample: 742922-1-BKS

Matrix: Solid

Date Analyzed: 12/09/2008

Date Prepared: 12/09/2008

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	10.0	100	80-120	

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

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

sion: 1.015



BS / BSD Recoveries



Project Name: Oxy

Work Order #: 319707

Analyst: ASA

Date Prepared: 12/09/2008

Project ID:

Date Analyzed: 12/09/2008

Lab Batch ID: 742972

Sample: 520818-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	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											
Benzene	ND	0.1000	0.1039	104	0.1	0.1061	106	2	70-130	35	
Toluene	ND	0.1000	0.0956	96	0.1	0.0975	98	2	70-130	35	
Ethylbenzene	ND	0.1000	0.1029	103	0.1	0.1047	105	2	71-129	35	
m,p-Xylenes	ND	0.2000	0.2059	103	0.2	0.2095	105	2	70-135	35	
o-Xylene	ND	0.1000	0.0978	98	0.1	0.0993	99	2	71-133	35	

Analyst: ASA

Date Prepared: 12/11/2008

Date Analyzed: 12/12/2008

Lab Batch ID: 743341

Sample: 521031-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	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											
Benzene	ND	0.1000	0.1220	122	0.1	0.1173	117	4	70-130	35	
Toluene	ND	0.1000	0.1086	109	0.1	0.1061	106	2	70-130	35	
Ethylbenzene	ND	0.1000	0.1155	116	0.1	0.1126	113	3	71-129	35	
m,p-Xylenes	ND	0.2000	0.2285	114	0.2	0.2206	110	4	70-135	35	
o-Xylene	ND	0.1000	0.1089	109	0.1	0.1064	106	2	71-133	35	

Relative Percent Difference RPD = $200 \times (C-F) / (C+F)$

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

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

All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries



Project Name: Oxy

Work Order #: 319707

Analyst: BHW

Date Prepared: 12/10/2008

Project ID:

Date Analyzed: 12/11/2008

Lab Batch ID: 743295

Sample: 521002-1-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	913	91	1000	967	97	6	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	1050	105	1000	1140	114	8	70-135	35	

Analyst: BHW

Date Prepared: 12/12/2008

Date Analyzed: 12/13/2008

Lab Batch ID: 743423

Sample: 521063-1-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	901	90	1000	887	89	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	955	96	1000	949	95	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 #: 319707

Lab Batch #: 742922

Project ID:

Date Analyzed: 12/09/2008

Date Prepared: 12/09/2008

Analyst: LATCOR

QC- Sample ID: 319660-007 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

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	69.4	248	319	101	80-120	

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

on: 1.015



Form 3 / MSD Recoveries



Project Name: Oxy

Work Order #: 319707

Project ID:

Lab Batch ID: 742972

QC- Sample ID: 319653-004 S

Batch #: 1 Matrix: Soil

Date Analyzed: 12/10/2008

Date Prepared: 12/09/2008

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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
Benzene	ND	0.1040	0.0998	96	0.1040	0.0971	93	3	70-130	35	
Toluene	ND	0.1040	0.0880	85	0.1040	0.0825	79	7	70-130	35	
Ethylbenzene	ND	0.1040	0.0655	63	0.1040	0.0590	57	10	71-129	35	X
m,p-Xylenes	ND	0.2079	0.1706	82	0.2079	0.1613	78	5	70-135	35	
o-Xylene	ND	0.1040	0.0833	80	0.1040	0.0805	77	4	71-133	35	

Lab Batch ID: 743341

QC- Sample ID: 319827-007 S

Batch #: 1 Matrix: Soil

Date Analyzed: 12/12/2008

Date Prepared: 12/11/2008

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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
Benzene	ND	0.1098	0.0915	83	0.1098	0.0921	84	1	70-130	35	
Toluene	ND	0.1098	0.0842	77	0.1098	0.0839	76	1	70-130	35	
Ethylbenzene	ND	0.1098	0.0898	82	0.1098	0.0882	80	2	71-129	35	
m,p-Xylenes	ND	0.2196	0.1799	82	0.2196	0.1764	80	2	70-135	35	
o-Xylene	ND	0.1098	0.0828	75	0.1098	0.0830	76	1	71-133	35	

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

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



Form 3 / MSD Recoveries



Project Name: Oxy

Work Order #: 319707

Project ID:

Lab Batch ID: 743295

QC- Sample ID: 319691-008 S

Batch #: 1 Matrix: Soil

Date Analyzed: 12/11/2008

Date Prepared: 12/10/2008

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	1020	933	91	1020	968	95	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1020	1090	107	1020	1140	112	5	70-135	35	

Lab Batch ID: 743423

QC- Sample ID: 319827-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 12/13/2008

Date Prepared: 12/12/2008

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	923	89	1040	934	90	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1040	1000	96	1040	1020	98	2	70-135	35	

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

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: Oxy

Work Order #: 319707

Lab Batch #: 742922

Date Analyzed: 12/09/2008

QC- Sample ID: 319660-007 D

Reporting Units: mg/kg

Project ID:

Analyst: LATCOR

Date Prepared: 12/09/2008

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	69.4	66.9	4	20	

Lab Batch #: 742934

Date Analyzed: 12/09/2008

QC- Sample ID: 319691-021 D

Reporting Units: %

Date Prepared: 12/09/2008

Batch #: 1

Analyst: BEV

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	3.34	3.11	7	20	

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

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

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
220 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

OCT 01 2008

OCD-ARTESIA

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

OPERATOR

☐ Initial Report ☐ Final Report

Name of Company	OXY USA	192463	Contact	Rick Kerby
Address	102 S Main Carlsbad, NM 88220		Telephone No.	(O) 505-887-8337 C) 505-631-4972
Facility Name	Old Ranch Canyon 7-1		Facility Type	Field Compressor Station
OLD RANCH CANYON 7 FEDERAL DOI				
Surface Owner	BLM	Mineral Owner	Lease No.	

30 015 28011

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	7	22S	24E					Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Produced fluids	Volume of Release	19 bbls	Volume Recovered	10bbls
Source of Release	Hole in 4" steel trunk line	Date and Hour of Occurrence	app 5:00 A:M: 9-28-08	Date and Hour of Discovery	9-28-08 8:30 A:M:
Was Immediate Notice Given?	X <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher - NMOCD Jim Amos - BLM			
By Whom?	Kelton Beaird	Date and Hour See above			
Was a Watercourse Reached?	<input type="checkbox"/> Yes X <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Hole in 4" trunk line. Fluid picked up by vacuum truck.

Describe Area Affected and Cleanup Action Taken.*
All fluid was contained inside berm. Cleanup was began by picking up fluid with vacuum truck and knapf will be spread on affected area today after repairs have been made to trunk line.

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.

OIL CONSERVATION DIVISION

Signature: Rick Kerby	Approved by District Supervisor: Rick Kerby		Remediation Actions to be completed and Final C-141 submitted with confirmation analyses/documentation on or before the Expiration Date. ↓
Printed Name: Rick Kerby	Approval Date: 10-17-08	Expiration Date: 12-26-08	
Title: HES Specialist	Conditions of Approval:		Attached <input type="checkbox"/> 2RP - 255
E-mail Address: rick_kerby@oxy.com	Within 30 days, on or before 11-25-08, completion of a remediation work plan based on delineation should be finalized and submitted for approval to the Division summarizing all actions taken and/or to be taken to mitigate environmental damage		
Date: Phone: 505-631-4972	Attach Additional Sheets If Necessary		Notify OCD 48 hours prior to obtaining samples where analyses are to be presented to OCD

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
1000 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

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company – OXY USA	Contact – Kelton Beaird
Address – P O Box 1988 / 102 South Main St Carlsbad, NM	Telephone No. – 575-887-8337
Facility Name – Old Ranch Canyon 7 Fed #1	Facility Type – Compressor Station

Surface Owner – BLM	Mineral Owner – BLM	Lease No.
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LOCATION OF RELEASE

Unit Letter B	Section 7	Township 22S	Range 24E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude 32° 24.623' N Longitude 104° 32.115' W

NATURE OF RELEASE

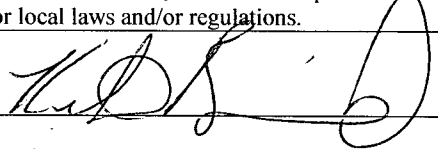
Type of Release – Produced Water/Crude Oil	Volume of Release –	Volume Recovered –
Source of Release –	Date and Hour of Occurrence –	Date and Hour of Discovery –
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? –	Date and Hour –	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Spill from hole in fiberglass flowline that is buried under compressor station site. The spill was contained inside the berms.

Describe Area Affected and Cleanup Action Taken.* Due to the hard rock and numerous lines in use in the area only 1' of impacted soil was excavated and hauled to CRI Disposal. Confirmation samples were taken to show the impacted soil being left in place. Pea gravel was backfilled into the excavation and contoured to the area.

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:	Expiration Date:
Email Address: kelton_beaird@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
3-9-09 Phone: 575-887-8337		

* Attach Additional Sheets If Necessary