Closure Report

Prepared for

Oxy USA
P O Box 1988
Carlsbad, NM 88210

Righthand Canyon 35 Fee Com #2
API # 30-015-32827
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

March 3, 2009

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

Re: Closure Report for Oxy USA
Righthand Canyon 35 Fee Com #2

Mr. Bratcher,

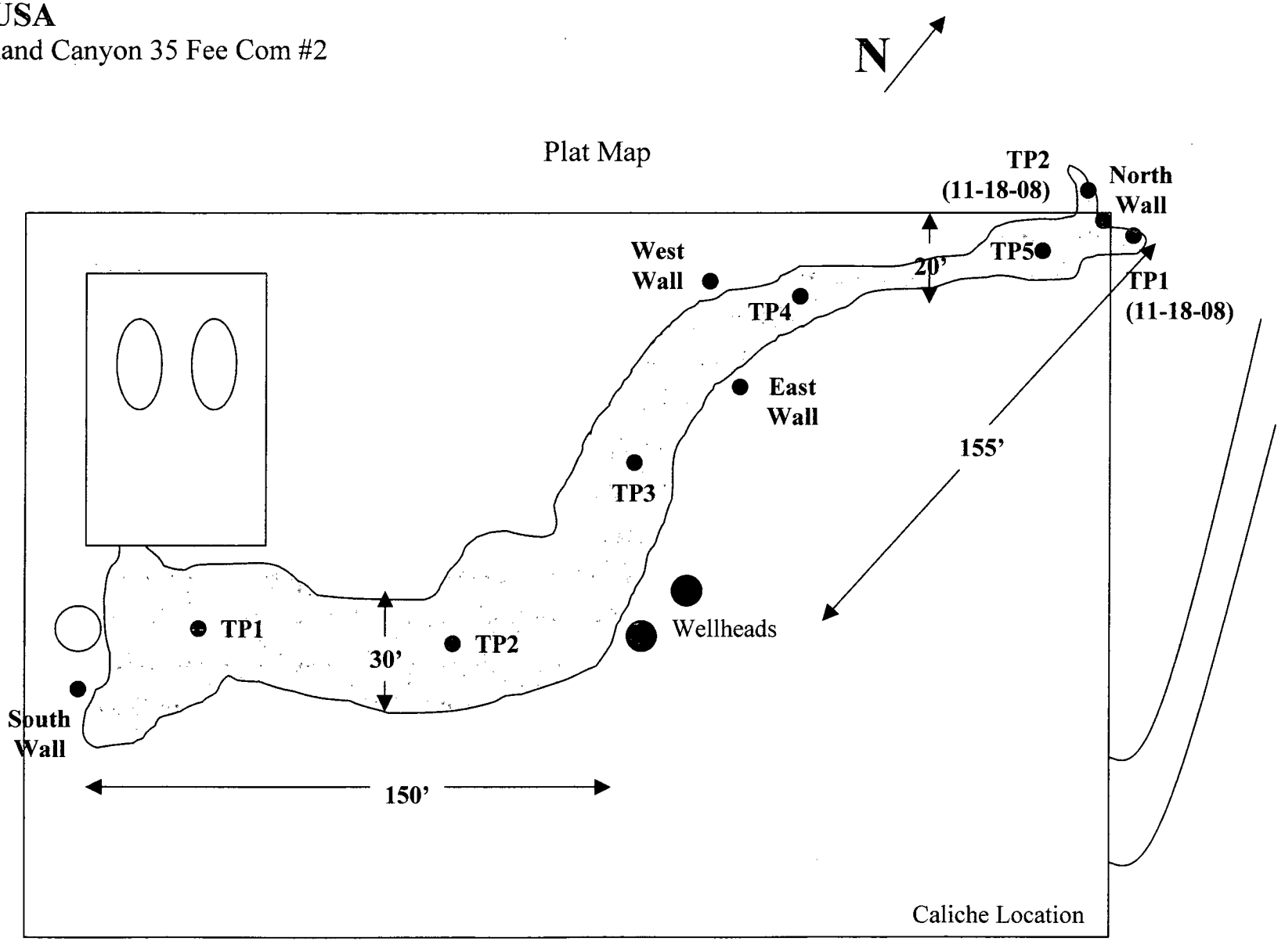
Oxy USA contracted Elke Environmental to complete the remediation of the spill at the Righthand Canyon 35 Fee Com #2 site. Kelton Beaird (Oxy) obtained verbal approval from Sherry Bohnam (NMOCD) to excavate only the location area of the spill and not the area off location due to the low chloride levels of the samples retrieved on November 18, 2008. Due to impenetrable rock with the equipment available the vertical remediation of the location was completed to 6" in depth. Lab confirmations were obtained at the 6" depth. Due to the hard rock in the area of the spill Curtis Elam (Elke) obtained verbal approval from Sherry Bohnam (NMOCD) to excavate only 6" in depth on January 22, 2009. The impacted soil was excavated and hauled to CRI Disposal. Clean caliche was backfilled into the excavation. No reseeding was performed due to the area being a caliche pad for a well. 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 Beaird (Oxy USA)
1 – Elke Environmental File

Oxy USA
Righthand Canyon 35 Fee Com #2



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

Field Analytical Report Form

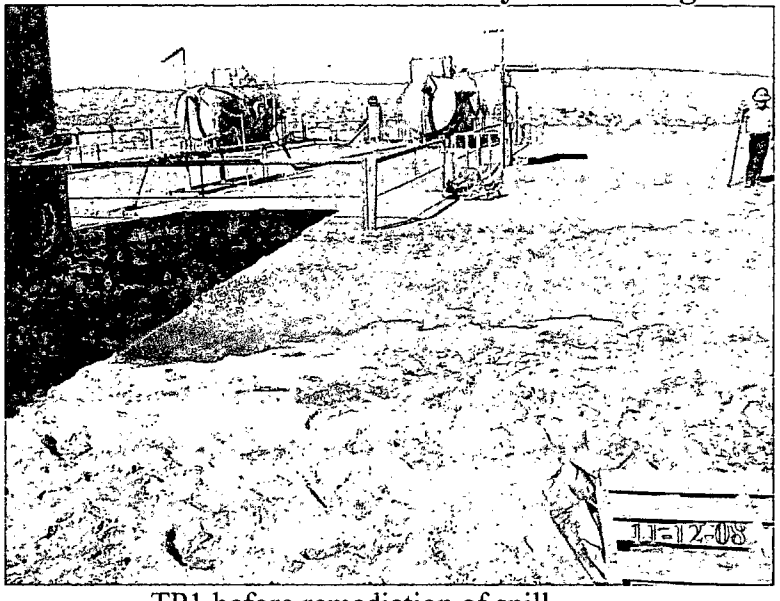
Client Oxy USA **Analyst** Curtis Elam

Site Righthand Canyon 35 Fee Com #2

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP1 (11-18-08)	11-18-08	2"		245		32° 25.945' N 104° 28.435' W
TP2 (11-18-08)	11-18-08	2"		475		32° 25.947' N 104° 28.434' W
North Wall	2-18-09	6"	99	199	0.0	32° 25.945' N 104° 28.436' W
South Wall	2-18-09	6"	75	142	0.0	32° 25.909' N 104° 28.443' W
East Wall	2-18-09	6"	31	262	0.0	32° 25.930' N 104° 28.428' W
West Wall	2-18-09	6"	56	211	0.0	32° 25.937' N 104° 28.442' W
TP1	2-18-09	6"		222	7.9	32° 25.914' N 104° 28.443' W
TP2	2-18-09	6"		261	1.9	32° 25.920' N 104° 28.441' W
TP3	2-18-09	6"		275	3.4	32° 25.925' N 104° 28.440' W
TP4	2-18-09	6"		198	1.6	32° 25.933' N 104° 28.437' W
TP5	2-18-09	6"		2,310	11.4	32° 25.940' N 104° 28.434' W

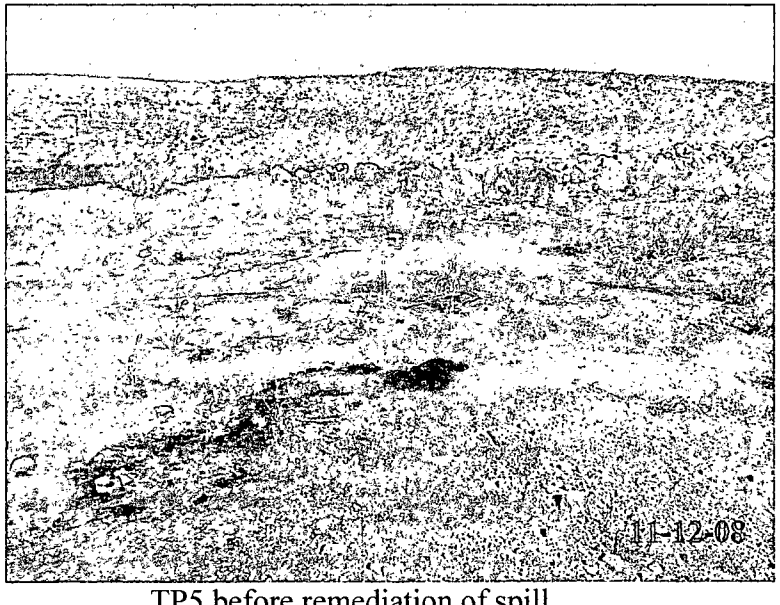
Analyst Notes Samples for vertical confirmations were analyzed at the lab.

Oxy USA – Righthand Canyon 35 Fee Com #2

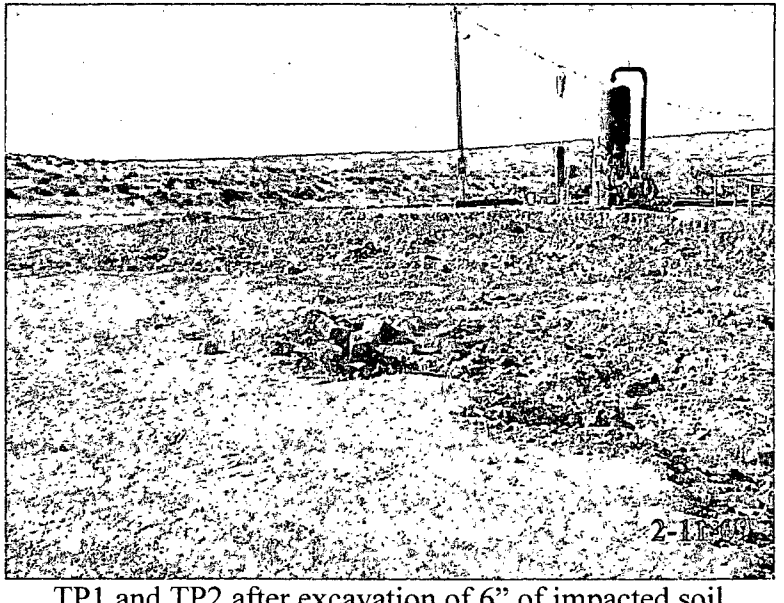


TP1 before remediation of spill.

TP2 and TP3 before remediation of spill.

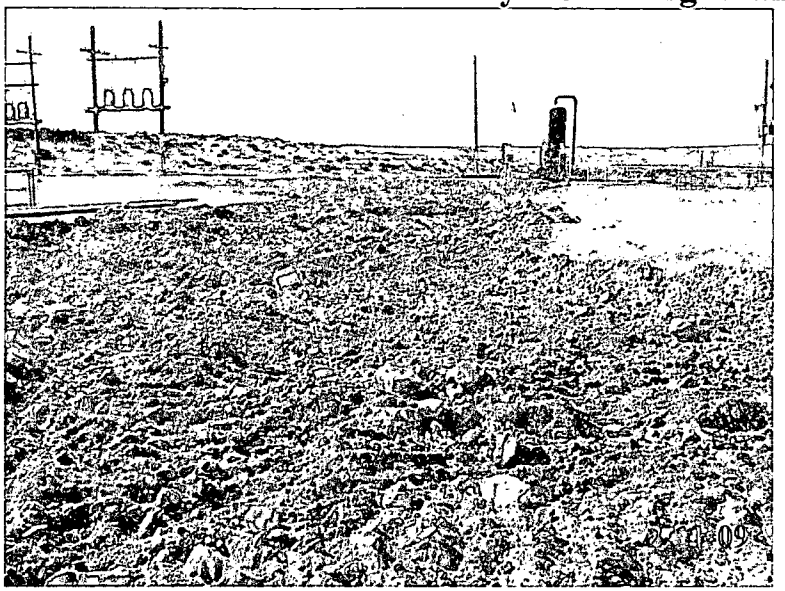


TP5 before remediation of spill.

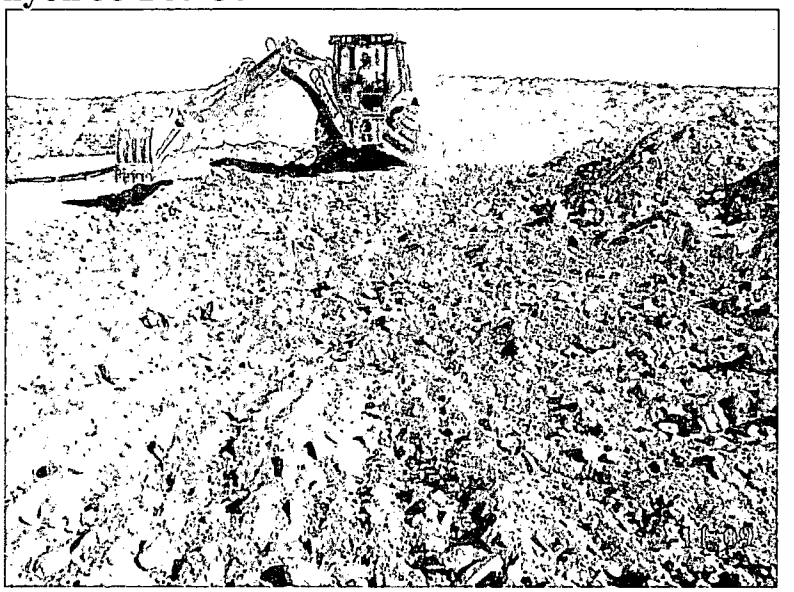


TP1 and TP2 after excavation of 6" of impacted soil.

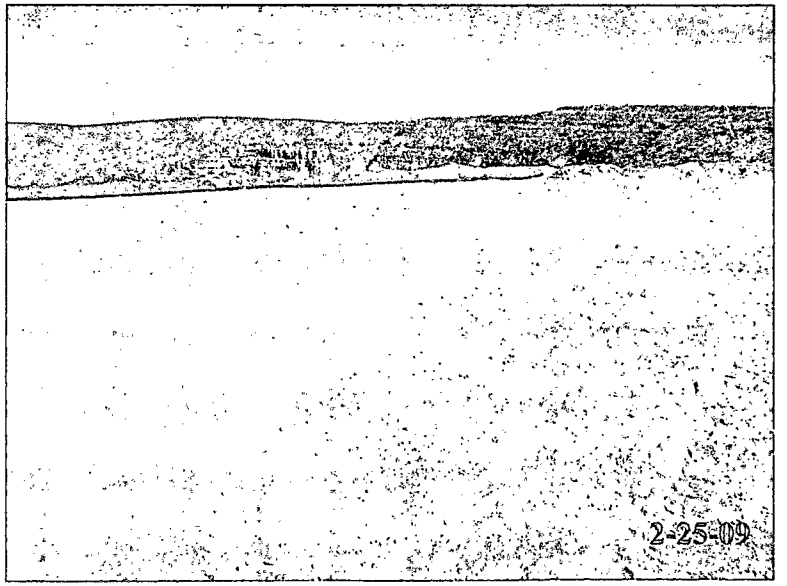
Oxy USA – Righthand Canyon 35 Fee Com #2



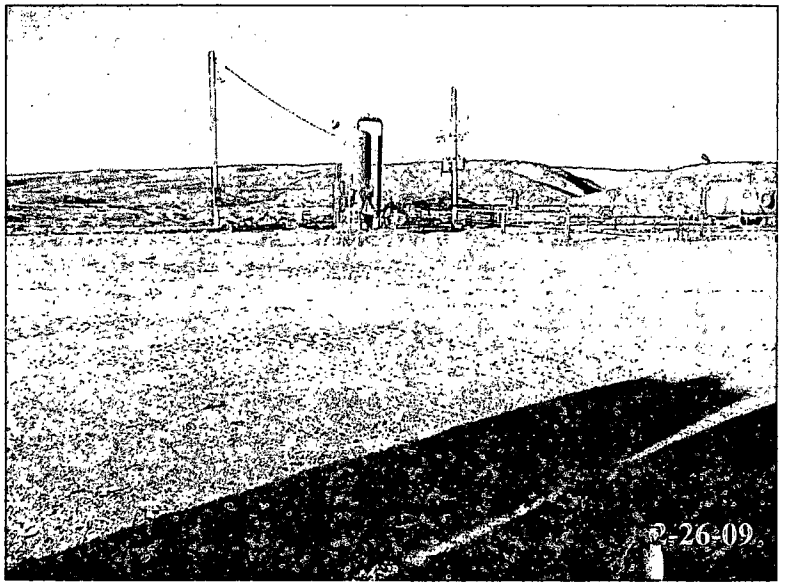
TP2 and TP3 after excavation of 6" of impacted soil.



TP4 and TP5 after excavation of 6" of impacted soil.



TP3, TP4 and TP5 after backfill of clean caliche.



TP1 and TP2 after backfill of clean caliche.

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 21S Range: 24E Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic
◉ All

POD / Surface Data Report | Avg Depth to Water Report
Water Column Report

Clear Form | iWATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 11/14/2008

							(Depth Water in Feet)		
Bsn	**Tws**	**Rng**	**Sec**	**Zone**	**X**	**Y**	**Wells**	**Min**	**Max**	**Avg**
C	21S	24E	02				1	260	260	260
C	21S	24E	10				1	160	160	160
C	21S	24E	20				1	90	90	90
C	21S	24E	22				1	80	80	80
C	21S	24E	23				1	50	50	50
C	21S	24E	24				1	28	28	28
C	21S	24E	26				1	150	150	150
C	21S	24E	28				1	83	83	83
C	21S	24E	29				1	20	20	20

Record Count: 9

Closest Groundwater

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 22S Range: 24E Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic
◉ All

POD / Surface Data Report | Avg Depth to Water Report
Water Column Report

Clear Form | iWATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 11/14/2008

								(Depth Water in Feet)		
Bsn	Twe	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
C	22S	24E	12				2	400	585	493
C	22S	24E	15				2	100	100	100
C	22S	24E	19				1	218	218	218
C	22S	24E	21				2	400	400	400
C	22S	24E	24				1	213	213	213
C	22S	24E	26				1	500	500	500
C	22S	24E	27				2	22	22	22
C	22S	24E	30				1	149	149	149
C	22S	24E	31				1	240	240	240
C	22S	24E	32				2	245	245	245
C	22S	24E	36				1	22	22	22

Record Count: 16

Closest Groundwater

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 OXY

Lease Name Rite Hare 34 Fed Com 2

Trucking Company S + L | Vehicle Number 9407 | Driver (Print) Bobby

Date 2-24-09 | Time 11:00 (a.m.) / p.m.

Type of Material

- ❑ Fluids
- ☒ Soils
- ❑ Tank Bottoms
- ❑ Other Material *(List Description Below)*

Receiving Area 50/67

DESCRIPTION

Cont Soil

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			

212935

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

CONTROLLED RECOVERY, INC.

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NMOCD Order R9166

Bill to

Address

Company/Generator Oxy

Lease Name Right hand canyon Fee com #2

Trucking Company S+L | Vehicle Number 9407 | Driver (Print) Bobby

Date 2/24/09 | Time 2:56 a.m. / p.m.

Type of Material

- ☐ Fluids ☐ Soils
- ☐ Tank Bottoms ☑ Other Material *(List Description Below)* Receiving Area 50/51

DESCRIPTION

cont Soil

Volume of Material ☐ Bbls. ______ ☑ Yard 15 ☐ 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)

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

☐ CRI Approval # ______

Agent Bobby Aguendo (Signature)

CRI Representative [signature] (Signature)

TANK BOTTOMS

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

213000

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

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NMOCD Order R9166

Bill to _____

Address _____

Company/Generator Oxy

Lease Name Right Hand Canyon Fed Com #2

Trucking Company S.E. | Vehicle Number 9407 | Driver (Print) Bobby

Date 2.25.09 | Time 3:18 a.m. / p.m.

Type of Material

☐ Fluids ☑ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area SOSF

DESCRIPTION

Volume of Material ☐ Bbls. _____ ☑ Yard 17 ☐ Gallons _____

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

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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

☐ CRI Approval # _____

Agent Bobby Aguero Sr (Signature)

CRI Representative _____ (Signature)

TANK BOTTOMS

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

213183

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

CONTROLLED RECOVERY, INC.

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NMOCD Order R9166

Bill to _____

Address _____

Company/Generator OXY

Lease Name Right Hand Canyon 35 # Fed Com - 2 H

Trucking Company S & L	Vehicle Number 9407	Driver (Print) Sergio Bobby
Date 2-24-09	Time 8:15	a.m. / p.m.

Type of Material

☐ Fluids ☑ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area 30-51

DESCRIPTION Tank Sol

Volume of Material ☐ Bbls. _____ ☑ Yard 1X ☐ Gallons _____

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

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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

☐ CRI Approval # _____

Agent Bobby Sergio (Signature)

CRI Representative _____ (Signature)

TANK BOTTOMS

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

213060

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

CONTROLLED RECOVERY, INC.

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NMOCD Order R9166

Bill to ______________________

Address ______________________

Company/Generator Oxy

Lease Name Right Hand Canyon 35 Fee Com #2

Trucking Company S&L | Vehicle Number 9407 | Driver (Print) Bobby

Date 2-25-05 | Time 11:05 a.m. / p.m.

Type of Material

☐ Fluids ☑ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area 50-57

DESCRIPTION Contaminated Soil

Volume of Material ☐ Bbls. ______ ☑ Yard 18 ☐ Gallons ______

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

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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

☐ CRI Approval # ______________________

Agent Bobby [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		

213118

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

CONTROLLED RECOVERY, INC.

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NMOCD Order R9166

Bill to _____

Address _____

Company/Generator Oxy

Lease Name Right Hand Canyon 36 Fed Com # 2

Trucking Company	Vehicle Number	Driver (Print)
Ortiz	974	Salvador

Date 2-25-09 Time 8:16 a.m. / p.m.

Type of Material

☐ Fluids ☑ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area 50-51

DESCRIPTION Caliche

Volume of Material ☐ Bbls. _____ ☑ Yard 18 ☐ Gallons _____

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

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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

☐ CRI Approval # _____

Agent _____ (Signature)

CRI Representative _____ (Signature)

TANK BOTTOMS

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

213061

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

CONTROLLED RECOVERY, INC.

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NMOCD Order R9166

Bill to

Address

Company/Generator Oxy

Lease Name Right Hand Canyon 35 Fed Com #2

Trucking Company Ortiz | Vehicle Number 947 | Driver (Print) Salcado

Date 2-25-09 | Time 11:11 a.m. / p.m.

Type of Material

☐ Fluids ☑ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area 50-57

DESCRIPTION Contd Soil

Volume of Material ☐ Bbls. ____ ☑ Yard 20 ☐ Gallons ____

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

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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☐ 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			

213119

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

CONTROLLED RECOVERY, INC.

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NMOCD Order R9166

Bill to _____

Address _____

Company/Generator Dan J.

Lease Name Richmond Canyon 35 Fed Com - 7H

Trucking Company Dan J. | Vehicle Number 974 | Driver (Print) Salvador

Date 2-25-09 | Time 3:02 a.m. / p.m.

Type of Material

☐ Fluids ☑ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area Pad 5.7 Pad 5.1

DESCRIPTION

Volume of Material ☐ Bbls. _____ ☑ Yard 1/2 ☐ Gallons _____

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

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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

☐ CRI Approval # _____

Agent Fernando Sanchez
(Signature)

CRI Representative _____
(Signature)

TANK BOTTOMS

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

213175

Form C138

White - CRI | Canary - CRI Accounting | Pink - CRI Plant | Gold - Transporter

THE COLOR PRINTER - #7521

CONTROLLED RECOVERY, INC.

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NMOCD Order R9166

Bill to _____

Address _____

Company/Generator Oxy

Lease Name Red Hills Canyon 23 Fee Com 2

Trucking Company Ortiz	Vehicle Number 974	Driver (Print) Salvador
Date 2-26-09	Time 8:35	a.m. / p.m.

Type of Material

☐ Fluids ☑ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area 505'

DESCRIPTION Tank Soil

Volume of Material ☐ Bbls. _____ ☐ Yard 2 ☐ Gallons _____

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

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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

☐ CRI Approval # _____

Agent _____ (Signature)

CRI Representative _____ (Signature)

TANK BOTTOMS

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

213263

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

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 DxY

Lease Name Right Hand Canyon Fee com #2

Trucking Company R. Franco | Vehicle Number 27 | Driver (Print) Bo Hays

Date 2/24/09 | Time 2:33 a.m. / p.m.

Type of Material

☐ Fluids ☑ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area 50/51

DESCRIPTION

Cont Soil

Volume of Material ☐ Bbls. _____ ☑ Yard 15 ☐ 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)

CRI Representative _____ (Signature)

TANK BOTTOMS

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

212996

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

CONTROLLED RECOVERY, INC.

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NMOCD Order R9166

Bill to ______

Address ______

Company/Generator OXY

Lease Name [illegible]

Trucking Company R. FRANCO | Vehicle Number | Driver (Print) [illegible]

Date 7-24-09 | Time 11:00 a.m. / p.m.

Type of Material

- ☐ Fluids
- ☑ Soils
- ☐ Tank Bottoms
- ☐ Other Material *(List Description Below)*

Receiving Area 50/57

DESCRIPTION

CONT SOIL

Volume of Material ☐ Bbls. ______ ☑ Yard 18 ☐ Gallons ______

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

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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☐ 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			

212934

Form C138

White - CRI   Canary - CRI Accounting   Pink - CRI Plant   Gold - Transporter

THE COLOR PRINTER - #7521

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 Oxy

Lease Name RITE HAND 35 FED COM # 2

Trucking Company P + P | Vehicle Number T-1 | Driver (Print) JOSE

Date 2-24-09 | Time 10:30 a.m. / p.m.

Type of Material

☐ Fluids ☑ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area SD/SP

DESCRIPTION

CONT
SOIL

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)

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

☐ CRI Approval # _____

Agent Jose Rojas
(Signature)

CRI Representative _____
(Signature)

TANK BOTTOMS

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

212915

Form C138

White - CRI | Canary - CRI Accounting | Pink - CRI Plant | Gold - Transporter

THE COLOR PRINTER - #7521

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 Oxy

Lease Name Rich Hond canyon fee com #2

Trucking Company P+P | Vehicle Number 51 | Driver (Print) Jose

Date 2/24/09 | Time 2:15 a.m. / p.m.

Type of Material

☐ Fluids ☑ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area 50/51

DESCRIPTION

Cont Soil

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)

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

☐ CRI Approval # _____

Agent Jose Bejarano
(Signature)

CRI Representative Robert McDonald
(Signature)

TANK BOTTOMS

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

212987

Form C138

White - CRI | Canary - CRI Accounting | Pink - CRI Plant | Gold - Transporter

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 Oxy

Lease Name Rite Hand Canyon 35 Fed Com #2

Trucking Company P.P | Vehicle Number J-1 | Driver (Print) Jose

Date 2-25-09 | Time 11:00 | a.m./p.m.

Type of Material

☐ Fluids ☐ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area Soil

DESCRIPTION Caliche Soil

Volume of Material ☐ Bbls. _____ ☐ Yard 17 ☐ 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)

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☐ 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 Jose DeJarnett
(Signature)

CRI Representative _____
(Signature)

TANK BOTTOMS

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

213108

Form C138

White - CRI | Canary - CRI Accounting | Pink - CRI Plant | Gold - Transporter

THE COLOR PRINTER - #7521

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 Oxy

Lease Name Right Hand Canyon 35 Fee Com #2

Trucking Company P&P	Vehicle Number T-1	Driver (Print) Jose
Date 3.25.09	Time 3:25	a.m. / p.m.

Type of Material

☐ Fluids ☐ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area _____

DESCRIPTION

_____

_____

_____

_____

_____

_____

_____

_____

Volume of Material ☐ Bbls. _____ ☐ Yard ✓ ☐ Gallons _____

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

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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

☐ CRI Approval # _____

Agent Jesse Bjorano
(Signature)

CRI Representative _____
(Signature)

TANK BOTTOMS

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

213167

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

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 Dry

Lease Name Right Hand Canyon 35 Fee Com. #2

Trucking Company DGP	Vehicle Number J-1	Driver (Print) Jose
Date 2-25-09	Time 8:00	a.m. / p.m.

Type of Material

☐ Fluids ☑ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area 50.51

DESCRIPTION

Volume of Material	☐ Bbls.	☑ Yard 18	☐ Gallons
☐ Wash Out	☐ Call Out	☐ After Hours	☐ Debris Charge

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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☑ 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)

CRI Representative Jose Beiarano (Signature)

TANK BOTTOMS

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

213058

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

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 Oxy

Lease Name Right Hand Canyon 25 Fed Com 2H

Trucking Company P.D	Vehicle Number J.1	Driver (Print) JOSE
Date 2-26-09	Time 2:34	a.m. / p.m.

Type of Material

☐ Fluids ☑ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area SD-51

DESCRIPTION Cut Soil

Volume of Material ☐ Bbls. _____ ☑ Yard 15 ☐ Gallons _____

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

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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

☐ CRI Approval # _____

Agent Jose Bejarano
(Signature)

CRI Representative _____
(Signature)

TANK BOTTOMS

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

213262

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

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 [illegible]

Lease Name Eight Hand Canyon 35 FEE Com 2

Trucking Company [illegible] | Vehicle Number A96 | Driver (Print) [illegible]

Date [illegible] | Time [illegible] a.m. / p.m.

Type of Material

- ☐ Fluids
- ☑ Soils
- ☐ Tank Bottoms
- ☐ Other Material *(List Description Below)*

Receiving Area [illegible]

DESCRIPTION [illegible] Soil

Volume of Material ☐ Bbls. ______ ☑ Yard 18 ☐ Gallons ______

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

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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☐ 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		

213059

Form C138

White - CRI | Canary - CRI Accounting | Pink - CRI Plant | Gold - Transporter

THE COLOR PRINTER - #7521

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 Oxy

Lease Name Eight Hand Canyon 35 Fed Com #2

Trucking Company Solis | Vehicle Number A-96 | Driver (Print) Ramon

Date 2-25-09 | Time 3:16 a.m. / p.m.

Type of Material

- ☐ Fluids
- ☑ Soils
- ☐ Tank Bottoms
- ☐ Other Material *(List Description Below)*

Receiving Area 80-51

DESCRIPTION Contaminated Soil

Volume of Material ☐ Bbls. ______ ☑ Yard 18 ☐ Gallons ______

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

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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☐ 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			

213182

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

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 Dxy

Lease Name Right hand canyon 35 Fee com #2

Trucking Company	Vehicle Number	Driver (Print)

Date 2/24/09 Time 2:22 a.m. / p.m.

Type of Material

☐ Fluids ☑ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area 50/51

DESCRIPTION

cut Soil

Volume of Material ☐ Bbls. _____ ☑ Yard 15 ☐ Gallons _____

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

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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

☐ CRI Approval # _____

Agent _____ (Signature)

CRI Representative _____ (Signature)

TANK BOTTOMS

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

212993

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

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 Oxy

Lease Name [illegible] 35 [illegible] com

Trucking Company Soli's | Vehicle Number R-96 | Driver (Print) [illegible]

Date 2-24-09 | Time 10:35 a.m. / p.m.

Type of Material

☐ Fluids ☒ Soils

☐ Tank Bottoms ☐ Other Material *(List Description Below)* Receiving Area 50/57

DESCRIPTION

Cont

Soil

Volume of Material ☐ Bbls. ______ ☒ Yard 15 ☐ Gallons ______

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

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

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☐ 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			

212916

Form C138

White - CRI Canary - CRI Accounting Pink - CRI Plant Gold - Transporter

THE COLOR PRINTER - #7521

Analytical Report 318483

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Oxy

01-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

01-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: **318483**
Oxy
Project Address: Right Hand Canyon Fee 35 Com #2

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 318483. 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. 318483 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

Sample Cross Reference 318483

Elke Environmental, Inc., Odessa, TX

Oxy

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP 1 @ 2"	S	Nov-18-08 14:00	2 In	318483-001
TP2 @ 2"	S	Nov-18-08 15:20	2 In	318483-002

Certificate of Analysis Summary 318483

Elke Environmental, Inc., Odessa, TX

Project Name: Oxy

Project Id:

Contact: Logan Anderson

Project Location: Right Hand Canyon Fee 35 Com #2

Date Received in Lab: Fri Nov-21-08 03:18 pm

Report Date: 01-DEC-08

Project Manager: Brent Barron, II

Analysis Requested									
	Lab Id:	318483-001		318483-002					
	Field Id:	TP 1 @ 2"		TP2 @ 2"					
	Depth:	2- In		2- In					
	Matrix:	SOIL		SOIL					
	Sampled:	Nov-18-08 14:00		Nov-18-08 15:20					
BTEX by EPA 8021B	*Extracted:*	Nov-24-08 16:45		Nov-28-08 08:20					
	Analyzed:	Nov-26-08 01:27		Nov-28-08 12:05					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		ND	0.0010	ND	0.0011				
Toluene		ND	0.0021	ND	0.0021				
Ethylbenzene		ND	0.0010	ND	0.0011				
m,p-Xylenes		ND	0.0021	ND	0.0021				
o-Xylene		ND	0.0010	ND	0.0011				
Total Xylenes		ND	0.0021	ND	0.0021				
Total BTEX		ND	0.0010	ND	0.0011				
Inorganic Anions by EPA 300	*Extracted:*								
	Analyzed:	Nov-24-08 09:53		Nov-24-08 09:53					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		219	5.18	450	21.0				
Percent Moisture	*Extracted:*								
	Analyzed:	Nov-22-08 17:00		Nov-22-08 17:00					
	Units/RL:	%	RL	%	RL				
Percent Moisture		3.21	1.00	4.97	1.00				
TPH by SW8015 Mod	*Extracted:*	Nov-26-08 09:30		Nov-26-08 09:30					
	Analyzed:	Nov-27-08 20:05		Nov-27-08 20:29					
	Units/RL:	mg/kg	RL	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		ND	15.5	ND	15.8				
C12-C28 Diesel Range Hydrocarbons		ND	15.5	26.7	15.8				
C28-C35 Oil Range Hydrocarbons		ND	15.5	ND	15.8				
Total TPH		ND	15.5	26.7	15.8				

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.

Form 2 - Surrogate Recoveries

Project Name: Oxy

Work Orders : 318483,

Project ID:

Lab Batch #: 741517 **Sample:** 318483-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0314	0.0300	105	80-120	
4-Bromofluorobenzene	0.0240	0.0300	80	80-120	

Lab Batch #: 741517 **Sample:** 318483-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0276	0.0300	92	80-120	
4-Bromofluorobenzene	0.0283	0.0300	94	80-120	

Lab Batch #: 741517 **Sample:** 318483-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0275	0.0300	92	80-120	
4-Bromofluorobenzene	0.0272	0.0300	91	80-120	

Lab Batch #: 741517 **Sample:** 520005-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0280	0.0300	93	80-120	
4-Bromofluorobenzene	0.0268	0.0300	89	80-120	

Lab Batch #: 741517 **Sample:** 520005-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0320	0.0300	107	80-120	
4-Bromofluorobenzene	0.0249	0.0300	83	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 : 318483,

Project ID:

Lab Batch #: 741517 **Sample:** 520005-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0278	0.0300	93	80-120	
4-Bromofluorobenzene	0.0268	0.0300	89	80-120	

Lab Batch #: 741812 **Sample:** 318483-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0311	0.0300	104	80-120	
4-Bromofluorobenzene	0.0245	0.0300	82	80-120	

Lab Batch #: 741812 **Sample:** 318486-002 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.3486	0.0300	1162	80-120	*
4-Bromofluorobenzene	0.0668	0.0300	223	80-120	*

Lab Batch #: 741812 **Sample:** 318486-002 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	80-120	
4-Bromofluorobenzene	0.0315	0.0300	105	80-120	

Lab Batch #: 741812 **Sample:** 520201-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0272	0.0300	91	80-120	
4-Bromofluorobenzene	0.0254	0.0300	85	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 : 318483,

Project ID:

Lab Batch #: 741812 **Sample:** 520201-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0314	0.0300	105	80-120	
4-Bromofluorobenzene	0.0216	0.0300	72	80-120	*

Lab Batch #: 741812 **Sample:** 520201-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0274	0.0300	91	80-120	
4-Bromofluorobenzene	0.0246	0.0300	82	80-120	

Lab Batch #: 741711 **Sample:** 318251-046 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	100	124	70-135	
o-Terphenyl	55.5	50.0	111	70-135	

Lab Batch #: 741711 **Sample:** 318251-046 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	120	100	120	70-135	
o-Terphenyl	55.1	50.0	110	70-135	

Lab Batch #: 741711 **Sample:** 318483-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.9	100	93	70-135	
o-Terphenyl	47.5	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: Oxy

Work Orders : 318483,

Project ID:

Lab Batch #: 741711 **Sample:** 318483-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.8	100	90	70-135	
o-Terphenyl	46.5	50.0	93	70-135	

Lab Batch #: 741711 **Sample:** 520107-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	53.3	50.0	107	70-135	

Lab Batch #: 741711 **Sample:** 520107-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.1	100	92	70-135	
o-Terphenyl	47.5	50.0	95	70-135	

Lab Batch #: 741711 **Sample:** 520107-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	100	107	70-135	
o-Terphenyl	52.3	50.0	105	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 #: 318483 **Project ID:**

Lab Batch #: 741325 **Sample:** 741325-1-BKS **Matrix:** Solid

Date Analyzed: 11/24/2008 **Date Prepared:** 11/24/2008 **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	9.57	96	80-120	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Oxy

Work Order #: 318483

Project ID:

Analyst: ASA **Date Prepared:** 11/24/2008 **Date Analyzed:** 11/25/2008

Lab Batch ID: 741517 **Sample:** 520005-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	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
Benzene	ND	0.1000	0.0971	97	0.1	0.0985	99	1	70-130	35	
Toluene	ND	0.1000	0.0887	89	0.1	0.0903	90	2	70-130	35	
Ethylbenzene	ND	0.1000	0.0864	86	0.1	0.0885	89	2	71-129	35	
m,p-Xylenes	ND	0.2000	0.1744	87	0.2	0.1783	89	2	70-135	35	
o-Xylene	ND	0.1000	0.0851	85	0.1	0.0869	87	2	71-133	35	

Analyst: ASA **Date Prepared:** 11/28/2008 **Date Analyzed:** 11/28/2008

Lab Batch ID: 741812 **Sample:** 520201-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	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
Benzene	ND	0.1000	0.0958	96	0.1	0.0970	97	1	70-130	35	
Toluene	ND	0.1000	0.0881	88	0.1	0.0881	88	0	70-130	35	
Ethylbenzene	ND	0.1000	0.0855	86	0.1	0.0842	84	2	71-129	35	
m,p-Xylenes	ND	0.2000	0.1718	86	0.2	0.1680	84	2	70-135	35	
o-Xylene	ND	0.1000	0.0836	84	0.1	0.0818	82	2	71-133	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

BS / BSD Recoveries

Project Name: Oxy

Work Order #: 318483
Analyst: BHW
Lab Batch ID: 741711 **Sample:** 520107-1-BKS
Units: mg/kg

Date Prepared: 11/26/2008 **Batch #:** 1

Project ID:
Date Analyzed: 11/27/2008
Matrix: Solid

TPH by SW8015 Mod Analytes	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
	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
C6-C12 Gasoline Range Hydrocarbons	ND	1000	915	92	1000	920	92	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	958	96	1000	957	96	0	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 #: 318483

Lab Batch #: 741325

Project ID:

Date Analyzed: 11/24/2008 **Date Prepared:** 11/24/2008 **Analyst:** LATCOR

QC- Sample ID: 318486-001 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	77.7	106	195	111	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Oxy

Work Order # : 318483 **Project ID:**

Lab Batch ID: 741517 **QC- Sample ID:** 318483-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 11/26/2008 **Date Prepared:** 11/24/2008 **Analyst:** ASA

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	0.1033	0.0801	78	0.1033	0.0858	83	6	70-130	35	
Toluene	ND	0.1033	0.0735	71	0.1033	0.0779	75	5	70-130	35	
Ethylbenzene	ND	0.1033	0.0717	69	0.1033	0.0758	73	6	71-129	35	X
m,p-Xylenes	ND	0.2066	0.1447	70	0.2066	0.1532	74	6	70-135	35	
o-Xylene	ND	0.1033	0.0672	65	0.1033	0.0717	69	6	71-133	35	X

Lab Batch ID: 741812 **QC- Sample ID:** 318486-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 11/28/2008 **Date Prepared:** 11/28/2008 **Analyst:** ASA

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	0.1270	0.2163	170	0.1270	0.1815	143	17	70-130	35	X
Toluene	ND	0.1270	0.4314	340	0.1270	0.3048	240	34	70-130	35	X
Ethylbenzene	ND	0.1270	0.2357	186	0.1270	0.1344	106	55	71-129	35	XF
m,p-Xylenes	ND	0.2540	0.4950	195	0.2540	0.2554	101	64	70-135	35	XF
o-Xylene	ND	0.1270	0.3250	256	0.1270	0.1267	100	88	71-133	35	XF

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

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

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

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

Form 3 - MS / MSD Recoveries

Project Name: Oxy

Work Order # : 318483 **Project ID:**

Lab Batch ID: 741711 **QC- Sample ID:** 318251-046 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 11/27/2008 **Date Prepared:** 11/26/2008 **Analyst:** BHW

Reporting Units: mg/kg

TPH by SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	515	1210	1820	108	1210	1640	93	15	70-135	35	
C12-C28 Diesel Range Hydrocarbons	1600	1210	3900	190	1210	3200	132	36	70-135	35	XF

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 ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: Oxy

Work Order #: 318483

Lab Batch #: 741325 **Project ID:**

Date Analyzed: 11/24/2008 **Date Prepared:** 11/24/2008 **Analyst:** LATCOR

QC- Sample ID: 318486-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Inorganic Anions by EPA 300	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	77.7	74.1	5	20	

Lab Batch #: 741210

Date Analyzed: 11/22/2008 **Date Prepared:** 11/22/2008 **Analyst:** BEV

QC- Sample ID: 318483-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	3.21	3.48	8	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

Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Logan Anderson

Company Name: Elke Environmental

Company Address: P O Box 14167

City/State/Zip: Odessa, TX 79768

Telephone No: 432-366-0043

Fax No: 432-366-0884

Sampler Signature: [signature]

e-mail: la_elkeenv@yahoo.com

Project Name: OXY

Project #:

Project Loc: Right Hand Canyon Fee 35 Com #2

PO #:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #: 318483

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix (DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other)	TPH 418.1 8015M 8015B	TPH TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	TP1 @2"		2"	11-18	2 PM		1	✓								S	✓			✓					✓				✓
2	TP2 @2"		2"	11-18	3:30		1	✓								S	✓			✓					✓				✓

Preservation & # of Containers: 4 oz jar SS

Analyze For: TOTAL ☒ (TCLP ☐)

Special Instructions:

Relinquished by	Date	Time	Received by	Date	Time
[signature]	11-21	3:15			
			Received by ELOT: Jeanne Fitch	11-21-08	1518

Laboratory Comments:

Sample Containers Intact? (Y) N

VOCs Free of Headspace? (Y) N

Labels on container(s) (Y) N

Custody seals on container(s) (Y) N

Custody seals on cooler(s) Y (N/A)

Sample Hand Delivered (Y) N

by Sampler/Client Rep.? Y N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 3.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Elke Environmental

Date/ Time: 11-21-08 @ 1518

Lab ID # : 318483

Initials: JMF

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	5.0 °C	
#2	Shipping container in good condition?	Yes	No	N/A	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present N/A	
#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 ELOT?	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

Analytical Report 326159

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Oxy

Right Hand Canyon 35 Fee Con # 2

03-MAR-09

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
Miramar, FL E86349
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

03-MAR-09

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

Reference: XENCO Report No: **326159**
Oxy
Project Address:

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 326159. 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. 326159 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

Sample Cross Reference 326159

Elke Environmental, Inc., Odessa, TX

Oxy

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP 1 @ 6"	S	Feb-18-09 09:00	6 In	326159-001
TP 2 @ 6"	S	Feb-18-09 09:30	6 In	326159-002
TP 3 @ 6"	S	Feb-18-09 10:00	6 In	326159-003
TP 4 @ 6"	S	Feb-18-09 10:30	6 In	326159-004
TP 5 @ 6"	S	Feb-18-09 11:00	6 In	326159-005

Certificate of Analysis Summary 326159

Elke Environmental, Inc., Odessa, TX

Project Name: Oxy

Project Id: Right Hand Canyon 35 Fee Con # 2
Contact: Logan Anderson
Project Location:

Date Received in Lab: Fri Feb-27-09 02:30 pm
Report Date: 03-MAR-09
Project Manager: Brent Barron, II

Analysis Requested																
	Lab Id:	326159-001		326159-002		326159-003		326159-004		326159-005						
	Field Id:	TP 1 @ 6"		TP 2 @ 6"		TP 3 @ 6"		TP 4 @ 6"		TP 5 @ 6"						
	Depth:	6 In		6 In		6 In		6 In		6 In						
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL						
	Sampled:	Feb-18-09 09:00		Feb-18-09 09:30		Feb-18-09 10:00		Feb-18-09 10:30		Feb-18-09 11:00						
Anions by EPA 300	***Extracted:***															
	Analyzed:	Mar-02-09 08:44		Mar-02-09 08:44		Mar-02-09 08:44		Mar-02-09 08:44		Mar-02-09 08:44						
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL					
Chloride		194	10.5	254	10.3	267	20.4	148	13.0	2260	51.4					
Percent Moisture	***Extracted:***															
	Analyzed:	Feb-28-09 09:43		Feb-28-09 09:43		Feb-28-09 09:43		Feb-28-09 09:43		Feb-28-09 09:43						
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL					
Percent Moisture		5.12	1.00	2.75	1.00	1.97	1.00	22.81	1.00	2.71	1.00					
TPH By SW8015 Mod	***Extracted:***	Mar-02-09 19:24		Mar-02-09 19:24		Mar-02-09 19:24		Mar-02-09 19:24		Mar-02-09 19:24						
	Analyzed:	Mar-02-09 23:10		Mar-02-09 23:34		Mar-02-09 23:58		Mar-03-09 00:22		Mar-03-09 00:45						
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL					
C6-C12 Gasoline Range Hydrocarbons		ND	15.8	ND	15.4	ND	15.3	ND	19.4	ND	15.4					
C12-C28 Diesel Range Hydrocarbons		72.9	15.8	ND	15.4	99.1	15.3	32.5	19.4	123	15.4					
C28-C35 Oil Range Hydrocarbons		44.4	15.8	ND	15.4	ND	15.3	ND	19.4	ND	15.4					
Total TPH		117.3	15.8	ND	15.4	99.1	15.3	32.5	19.4	123	15.4					

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.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

* Outside XENCO's scope of NELAC Accreditation.

Form 2 - Surrogate Recoveries

Project Name: Oxy

Work Orders : 326159,

Project ID: Right Hand Canyon 35 Fee Con # 2

Lab Batch #: 751268 **Sample:** 525682-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/02/09 21:11

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	100	108	70-135	
o-Terphenyl	48.2	50.0	96	70-135	

Lab Batch #: 751268 **Sample:** 525682-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/02/09 21:35

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	100	107	70-135	
o-Terphenyl	50.4	50.0	101	70-135	

Lab Batch #: 751268 **Sample:** 525682-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/02/09 21:59

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.5	100	95	70-135	
o-Terphenyl	44.2	50.0	88	70-135	

Lab Batch #: 751268 **Sample:** 326159-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/02/09 23:10

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.1	100	89	70-135	
o-Terphenyl	42.7	50.0	85	70-135	

Lab Batch #: 751268 **Sample:** 326159-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/02/09 23:34

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.9	100	88	70-135	
o-Terphenyl	41.9	50.0	84	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 : 326159,

Project ID: Right Hand Canyon 35 Fee Con # 2

Lab Batch #: 751268 **Sample:** 326159-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/02/09 23:58

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.5	100	95	70-135	
o-Terphenyl	43.7	50.0	87	70-135	

Lab Batch #: 751268 **Sample:** 326159-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/03/09 00:22

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.1	100	95	70-135	
o-Terphenyl	44.7	50.0	89	70-135	

Lab Batch #: 751268 **Sample:** 326159-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/03/09 00:45

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.6	100	90	70-135	
o-Terphenyl	42.0	50.0	84	70-135	

Lab Batch #: 751268 **Sample:** 326159-002 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/03/09 02:20

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	100	108	70-135	
o-Terphenyl	48.8	50.0	98	70-135	

Lab Batch #: 751268 **Sample:** 326159-002 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/03/09 02:44

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	100	110	70-135	
o-Terphenyl	51.4	50.0	103	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 #: 326159 **Project ID:** Right Hand Canyon 35 Fee Con # 2

Lab Batch #: 751250 **Sample:** 751250-1-BKS **Matrix:** Solid

Date Analyzed: 03/02/2009 **Date Prepared:** 03/02/2009 **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	10.4	104	90-110	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Oxy

Work Order #: 326159
Analyst: BHW
Lab Batch ID: 751268
Sample: 525682-1-BKS
Units: mg/kg

Date Prepared: 03/02/2009
Batch #: 1

Project ID: Right Hand Canyon 35 Fee Con # 2
Date Analyzed: 03/02/2009
Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	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
C6-C12 Gasoline Range Hydrocarbons	ND	1000	931	93	1000	929	93	0	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	964	96	1000	955	96	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 Recover...

Project Name: Oxy

Work Order #: 326159
Lab Batch #: 751250
Date Analyzed: 03/02/2009
QC- Sample ID: 326134-001 S
Reporting Units: mg/kg

Date Prepared: 03/02/2009
Batch #: 1

Project ID: Right Hand Canyon 35 Fee Con # 2
Analyst: LATCOR
Matrix: Soil

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	ND	425	438	103	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Oxy

Work Order # : 326159 **Project ID:** Right Hand Canyon 35 Fee Con # 2

Lab Batch ID: 751268 **QC- Sample ID:** 326159-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/03/2009 **Date Prepared:** 03/02/2009 **Analyst:** BHW

Reporting Units: mg/kg

TPH By SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	1030	972	94	1030	988	96	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1030	1040	101	1030	1060	103	2	70-135	35	

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

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

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

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

Sample Duplicate Recovery

Project Name: Oxy

Work Order #: 326159

Lab Batch #: 751250 **Project ID:** Right Hand Canyon 35 Fee Con # 2

Date Analyzed: 03/02/2009 **Date Prepared:** 03/02/2009 **Analyst:** LATCOR

QC- Sample ID: 326134-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

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

Lab Batch #: 751102

Date Analyzed: 02/28/2009 **Date Prepared:** 02/28/2009 **Analyst:** BEV

QC- Sample ID: 326136-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	4.75	4.21	12	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

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

Project Manager: Logan Anderson
Company Name: Elke Environmental
Company Address: P O Box 14167
City/State/Zip: Odessa, TX 79768
Telephone No: 432-368-0043 Fax No: 432-368-0884
Sampler Signature:
e-mail: fa_elkeenv@yahoo.com

Project Name: OXY
Project #: Kight Hand Peyton 35 Fee Com #2
Project Loc:
PO #:
Report Format: ☑ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 326159

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water GW=Groundwater S=Soil/Solid WW=Wastewater Special Other	Analyze For: TCLP: (TPH) 418.1	8015B	TOTAL: TPH: TX 1005	TX 1005	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (pre-scheduled) 24, 48, 72 hrs	Standard TAT
01	TP1 @ 6"		6"	2/18.	9:00 AM		1	1								S															-
02	TP2				9:30 AM		1	1								S															-
03	TP3				10:00 AM		1	1								S															-
04	TP4				10:30 AM		1	1								S															-
05	TP5				11:00 AM		1	1								S															-

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
	2/27	2:30			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Andrea Sam	2-27-09	14:30

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
402 9455
Temperature Upon Receipt: 6.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Elke Env.

Date/ Time: 2.27.09 14:30

Lab ID # : 326159

Initials: GL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	6.0 °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 ELOT?	(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

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-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 – Righthand Canyon 35 Fee Com #2	Facility Type – Well Site

Surface Owner –	Mineral Owner –	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	35	21S	24E					Eddy

Latitude 32° 25.931' N **Longitude** 104° 28.427' W

NATURE OF RELEASE

Type of Release –	Volume of Release – bbls	Volume Recovered – bbls
Source of Release –	Date and Hour of Occurrence 11-12-08	Date and Hour of Discovery – 11-12-08 @
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom?	
By Whom? – Kelton Beaird - Oxy	Date and Hour – Same as above	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Spill from frac tank ran across caliche location. All fluid was picked up by a vacuum truck. The groundwater in the surrounding area shows > 100' using the SEO data. The following are the recommended action levels for the site : Chloride – 250 ppm, TPH – 5,000 ppm, BTEX – 100 ppm(field vapor analysis).

Describe Area Affected and Cleanup Action Taken.* Due to the hard rock and heavy traffic of the site, only 1' of impacted soil was excavated and hauled to CRI Disposal. Confirmation lab samples were taken on the bottom of the excavation. Clean caliche was backfilled in the excavation. No re-seeding was completed due to the site being a caliche well pad. Attached is a plat map, field analytical, lab confirmations, disposal tickets and pictures of the remediation.

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:
E-mail Address: kelton_beaird@oxy.com	Conditions of Approval:	Attached ☐
Date: 3-9-09 Phone: 575-887-8337		

* Attach Additional Sheets If Necessary