

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

JUL 23 2009

Form C-141
Revised October 10, 2003

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

30-015-33384

Release Notification and Corrective Action

n MLB09163.30396

OPERATOR Initial Report Final Report

Name of Company OXY USA	16696	Contact Kelton Beard
Address 102 S Main Carlsbad, NM 88220		Telephone No. (O) 505-887-8337 C) 575-390-1903
Facility Name Sundance Fed. #23		Facility Type Oil Well
Surface Owner BLM	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
	4	24S	31E					Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced water	Volume of Release 20bbls	Volume Recovered 0
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery 4-27-09 @ 12:00pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher-NMOCD Jim Amos-BLM (left message)	
By Whom? Kelton Beard (HES Specialist)-Oxy	Date and Hour See above	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

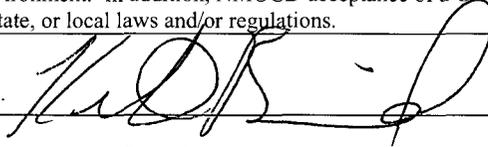
Describe Cause of Problem and Remedial Action Taken.*
Poly-line split causing fluid to leak into the pasture

Describe Area Affected and Cleanup Action Taken.*

Due to the release of 20 barrels of produced water, remedial excavation activities were conducted along the ruptured poly-line. Due to the flow path of the release, an area of approximately 80 feet by 27 feet was excavated using a backhoe to approximately 3 feet bgs. A second area of approximately 65 feet by 27 feet was excavated using a backhoe to approximately 8 feet bgs. No visible impact was observed at 3 feet bgs or 8 feet bgs depth in the respective excavations; therefore, confirmation samples were collected and submitted for laboratory analysis. Analytical results indicate non-detectable concentrations of BTEX and detectable concentrations of TPH and chlorides. However, all detected TPH and chloride concentrations were below applicable NMOCD limits with the exception of one (1) sample (SW-1) which reported a chloride concentration of 287 mg/Kg.

Talon conducted soil transportation, disposal, and backfill activities from June 24-30, 2009. Approximately 587.41 tons of affected soil was transported and disposed of at the Lea Land Inc. landfill (Permit # WM-01-035) west of Hobbs, New Mexico. During affected soil transportation and disposal activities, the excavation was backfilled and compacted with soil backhauled from Lea Land Inc. Soil samples of the backfill material were collected and analyzed for TPH and chlorides. All analytical results were below applicable NMOCD limits.

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 Beard	Approved by <u>Mike Bratcher</u> District Supervisor.	
Title: HES Specialist	Approval Date: JUL 24 2009	Expiration Date: <u>N/A</u>
E-mail Address: kelton_beard@oxy.com	Conditions of Approval: <u>N/A</u>	Attached <input type="checkbox"/>
Date: <u>7-19-09</u>		

* Attach Additional Sheets If Necessary

2RP-318



New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



Oxy USA Inc.
102 S. Main St.
Carlsbad NM 88220
ATTN: Kelton Beard

June 18, 2009

Reference: Sundance Fed 23 30-015-33384 Release Date 4/27/09 (OCD # 2RP-318)

Dear Mr. Beard,

Regarding the "Site Closure Report" prepared by Talon/LPE on behalf of Occidental Permian LTD (OXY USA Inc.) for the release as referenced above, the closure proposal is approved with the following stipulation: OCD would request that a random, representative sample be obtained from the backfill material that is being hauled back from Lea Land as a precautionary measure. OCD understands that 1500 yards of material will be utilized for backfill. Please obtain one sample from each 500 yards of material and have the samples analyzed for TPH and Chloride constituents. Upon receipt, and, OCD approval of the analytical data, the Final Report C-141 may then be approved.

Please be advised that OCD approval does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

Sincerely,

Mike Bratcher
NMOCD District 2
1301 W. Grand Ave.
Artesia, NM 88210
575-748-1283 Ext.108
mike.bratcher@state.nm.us

email copy to: kelton_beaird@oxy.com



Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Thursday, June 18, 2009 2:29 PM
To: Kelton Beard
Subject: Sundance Fed 23
Attachments: OXY_SundanceFed_23.doc

Please see attachment



JUN 11 2009

AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

SITE CLOSURE REPORT

AUSTIN
911 W Anderson Lane,
Suite 202
Austin, TX 78757
Phone 512.989.3428
Fax 512.989.3487

SUNDANCE FEDERAL #23

SECTION 4, TOWNSHIP 24 S, RANGE 31 E

EDDY COUNTY, NEW MEXICO

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88241
Phone 505.393.4261
Fax 505.393.4658

MIDLAND
2901 State Highway 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

SAN ANTONIO
17170 Jordan Road
Suite 102
Selma, Texas 78154
Phone 210.579.0235
Fax 210.568.2191

TULSA
9906 East 43rd Street
Suite G
Tulsa, Oklahoma 74146
Phone 918.742.0871
Fax 918.742.0876

PREPARED FOR:

OCCIDENTAL PERMIAN LTD.
6 DESTA DRIVE, SUITE 6000
MIDLAND, TX 79705-5505

TYLER
719 West Front Street
Suite 255
Tyler, Texas 75702
Phone 903.531.9971
Fax 903.531.9979

PREPARED BY:

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
EMERGENCY RESPONSE

TALON/LPE
318 EAST TAYLOR STREET
HOBBS, NEW MEXICO 88241

Toll Free 866.742.0742
www.talonlpe.com

JUNE 3, 2009

SITE CLOSURE REPORT

**SUNDANCE FEDERAL #23
SECTION 4, TOWNSHIP 24 S, RANGE 31 E
EDDY COUNTY, NEW MEXICO**

PREPARED BY:

**TALON/LPE
318 EAST TAYLOR STREET
HOBBS, NEW MEXICO 88241**



**J.T. Murrey
Senior Project Manager**

**Eb Taylor
Division Manager**

JUNE 3, 2009

TABLE OF CONTENTS

1.0	OBJECTIVES	1
1.1	SITE CLOSURE OBJECTIVES.....	1
2.0	SITE CLOSURE ACTIVITIES	2
2.1	EXCAVATION ACTIVITIES.....	2
2.1.1	<i>Confirmation Sampling</i>	2
2.1.2	<i>Analytical Results</i>	2
3.0	CONCLUSIONS AND PROPOSED FINAL SITE ACTIVITIES.....	3
3.1	CONCLUSIONS	3
3.2	PROPOSED FINAL SITE ACTIVITIES	3

APPENDICES

Appendix A Figures

Figure 1 – Topographic Map

Figure 2 – Site Details Map – Excavation and Soil Sample Locations

Appendix B Tables

Table 1 – Summary of Soil Analytical Data

Appendix C Sample Analytical Data Reports and Chain of Custody Documentation

Appendix D New Mexico Oil Conservation Division Release Notification and Corrective Action Form C-141

1.0 OBJECTIVES

1.1 SITE CLOSURE OBJECTIVES

This Site Closure Report (report) has been prepared for Oxy USA Inc. (Oxy) to provide details of site closure activities for the produced water spill located at the Sundance Federal #23 site in Eddy County, New Mexico. Geographical coordinates for the site are 32.24792° N and 103.79024° W. The site is located in Section 4, Township 24 South, and Range 31 East. The site location is presented on Figure 1.

The objectives of the site closure activities were to excavate and haul off petroleum hydrocarbon and chloride affected soil due to the release of 20 barrels of produced water. The release occurred from a surface 4" poly-line located in a pasture on April 27, 2009. The release was reported to Mr. Mike Bratcher with the New Mexico Oil Conservation Department (NMOCD) and Mr. Jim Amos with the Bureau of Land Management. A Release Notification and Corrective Action Form C-141 was prepared and submitted to the NMOCD on April 27, 2009. Details of the site closure activities and proposed final site activities are presented herein.

2.0 SITE CLOSURE ACTIVITIES

Due to the produced water release from a surface 4" poly-line, remedial excavation activities were conducted in the pasture where the line was located.

2.1 EXCAVATION ACTIVITIES

Due to the flow path of the release, an area of approximately 80 feet by 27 feet was excavated using a backhoe to approximately 3 feet below ground surface (bgs). A second area of approximately 65 feet by 27 feet was excavated using a backhoe to approximately 8 feet bgs. No visible impact was observed at 3 feet and 8 feet bgs depth in the respective excavations; therefore, confirmation samples were collected as outlined in Section 2.1.1. The location of the excavation area is presented on Figure 2.

Approximately 1,500 cubic yards of affected soil was excavated and stockpiled adjacent to the excavation area. Following NMOCD approval of this report, the affected soil will be transported and disposed of at the Lea Land, Inc landfill (Permit # WM-01-035) west of Hobbs, New Mexico.

2.1.1 Confirmation Sampling

Once all visually impacted soil was removed, discrete confirmation soil samples were collected from the bottom and sidewalls of the excavation. Personnel wearing new disposable gloves collected soil samples and placed the samples in laboratory-supplied containers, which were sealed with Teflon lined caps, labeled, and subsequently placed on ice in a covered, insulated cooler and chilled to 40°F. The soil samples were shipped to Trace Analysis Inc. in Midland, Texas for analysis. The collected soil samples were analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX) by EPA SW-846 Method 8021B, TPH Gasoline Range Organics (TPH GRO) by EPA SW-846 Method 8015B, TPH Diesel Range Organics (TPH DRO) by EPA SW-846 Method 8015B Modified, Chlorides (titration) by EPA Method 4500-C1 B. The following NMOCD limits were used to determine whether additional investigation and/or excavation were required:

Constituent	Regulatory Limits (mg/Kg)
Total TPH	100
Benzene	10
BTEX	50.0
Chlorides	250

2.1.2 Analytical Results

Analytical results indicate BTEX concentrations in soil samples collected from the excavation were below the laboratory reporting limit of <0.0600 mg/Kg. TPH concentrations ranged from 5.01 mg/Kg to 6.01 mg/Kg. Chloride concentrations ranged from <200 mg/Kg to 287 mg/Kg. A summary of the soil sample analytical results is presented on Table 1 – Appendix B. Certified copies of the laboratory analytical results and proper chain of custody documentation are presented in Appendix C.

3.0 CONCLUSIONS AND PROPOSED FINAL SITE ACTIVITIES

3.1 CONCLUSIONS

Due to the release of 20 barrels of produced water, remedial excavation activities were conducted along the ruptured poly line. Due to the flow path of the release, an area of approximately 80 feet by 27 feet was excavated using a backhoe to approximately 3 feet bgs. A second area of approximately 65 feet by 27 feet was excavated using a backhoe to approximately 8 feet bgs. No visible impact was observed at 3 feet bgs or 8 feet bgs depth in the respective excavations; therefore, confirmation samples were collected and submitted for laboratory analysis. Analytical results indicate non-detectable concentrations of BTEX and detectable concentrations of TPH and chlorides. However, all detected TPH and chloride concentrations were below applicable NMOCD limits with the exception of one (1) sample (SW-1) which reported a chloride concentration of 287 mg/Kg.

3.2 PROPOSED FINAL SITE ACTIVITIES

Talon proposes that the 1,500 cubic yards of affected soil be transported and disposed of at the Lea Land Inc. landfill (Permit # WM-01-035) west of Hobbs, New Mexico. During affected soil transportation and disposal activities, the excavation will be backfilled and compacted with soil back hauled from Lea Land Inc. A final Release Notification and Corrective Action Form C-141 is presented in Appendix D.

Based on analytical data from soil samples collected at the site, no further assessment and/or remediation is planned for the site and closure of the site soils should be requested from the NMOCD following transportation, disposal, and backfill activities are completed.

APPENDIX A

FIGURES

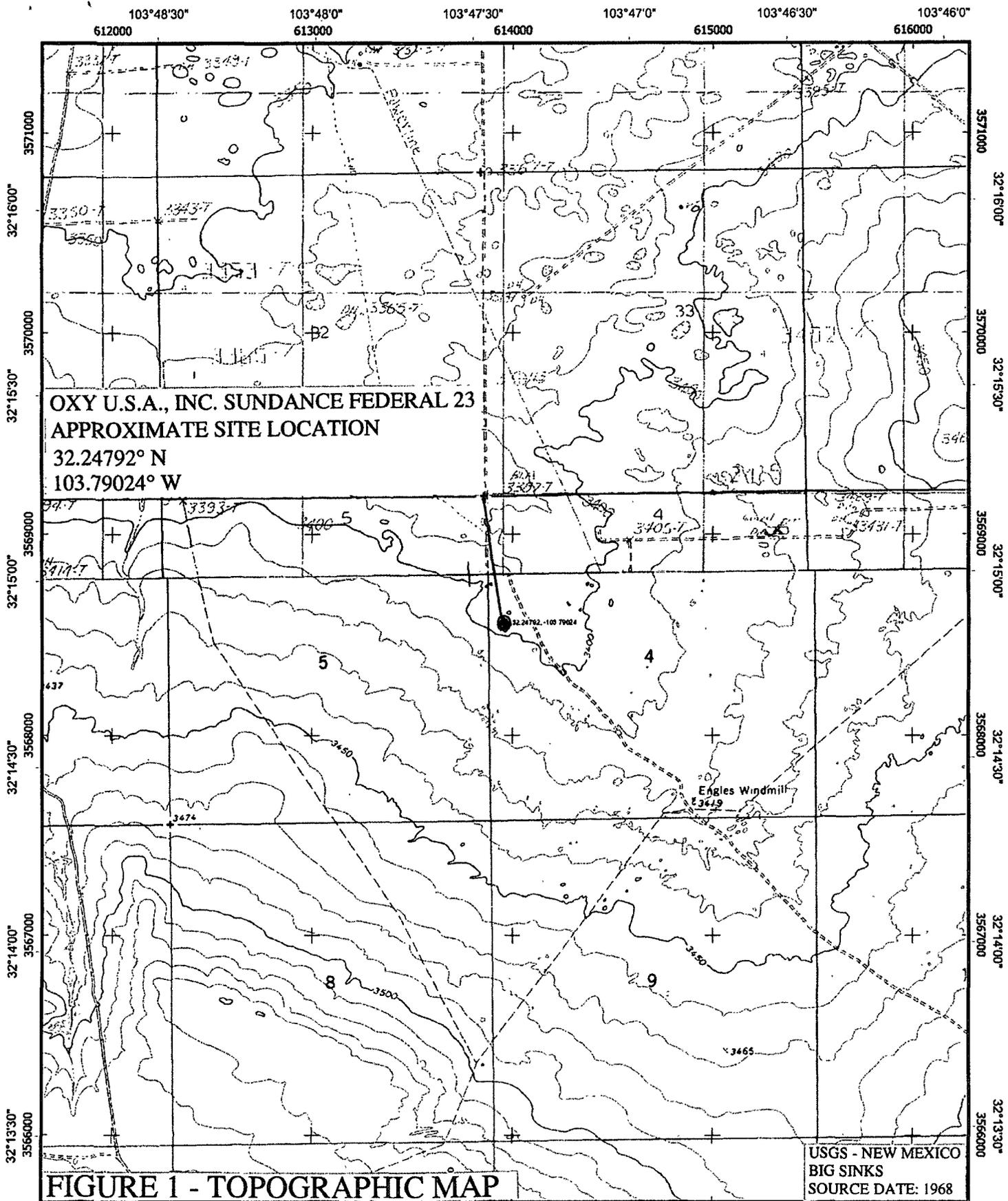
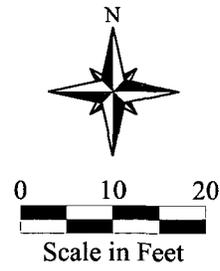
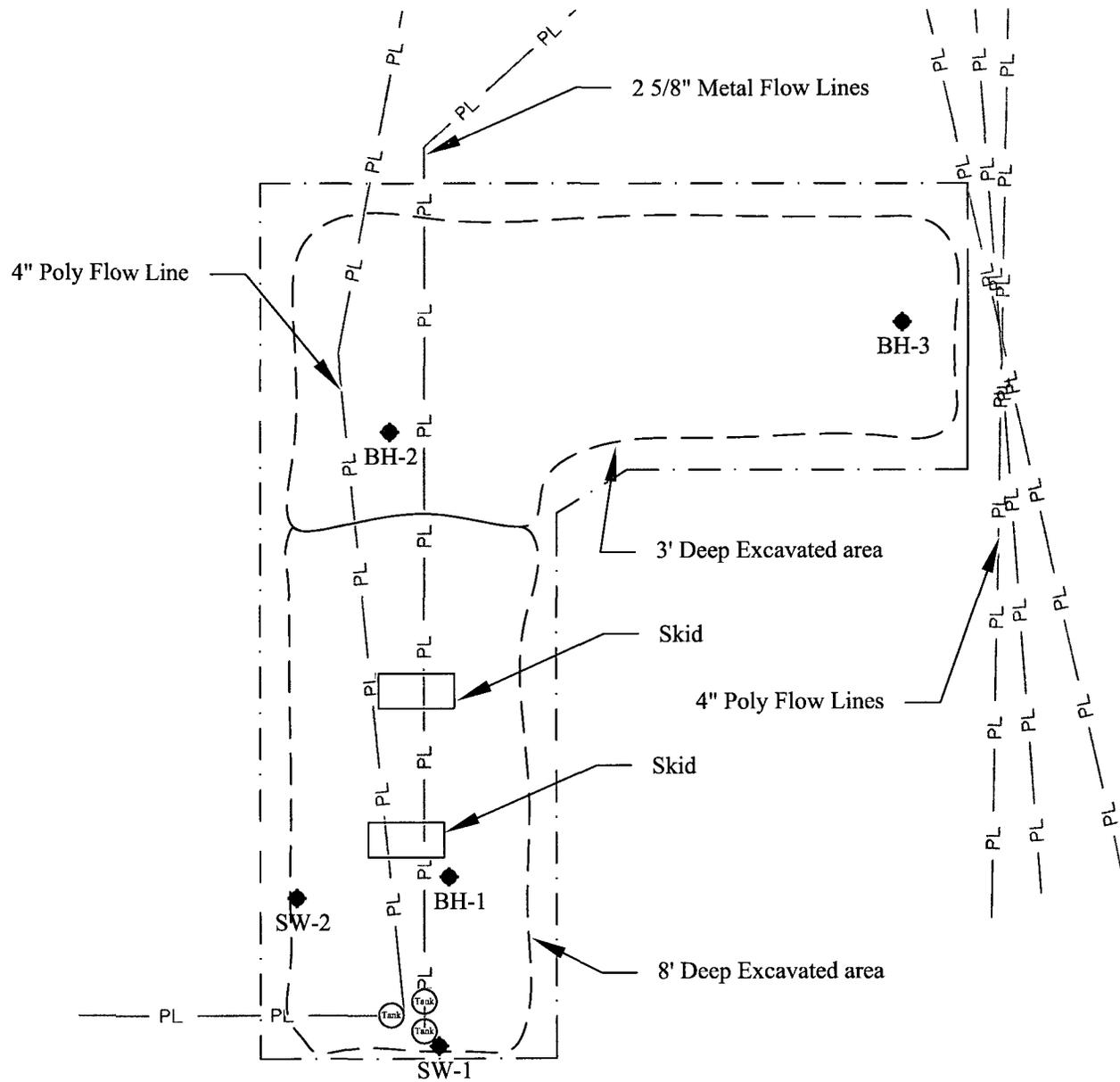


FIGURE 1 - TOPOGRAPHIC MAP



Legend	
◆	- Soil Boring
- - -	- Spill Area
- - -	- Berm Boundary



Date: 05/20/2009
 Scale: 1" = 20'
 Drawn By: SJA

OXY U.S.A., Inc. (OXYUSA006SPL)
 Sundance Federal 23 Well Site
 Section 4, T-24-s, R-31-E, Eddy County, New Mexico
 Figure 2 - Site Details Map and Excavation and Soil Sample Location

APPENDIX B

ANALYTICAL SUMMARY TABLES



TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA
OXY USA INC.
SUNDANCE FEDERAL #23
EDDY COUNTY, NEW MEXICO

SAMPLE LOCATION	DATE SAMPLED	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHLYBENZENE (mg/Kg)	XYLENES (mg/Kg)	BTEX (mg/Kg)	TPH DRO (mg/Kg)	TPH GRO (mg/Kg)	CHLORIDES (mg/Kg)
SW-1	5/11/2009	<0.0100	<0.0100	<0.0100	<0.0100	<0.0600	<50.0	5.84	287
SW-2	5/11/2009	<0.0100	<0.0100	<0.0100	<0.0100	<0.0600	<50.0	5.01	240
BH-1	5/11/2009	<0.0100	<0.0100	<0.0100	<0.0100	<0.0600	<50.0	5.95	<200
BH-2	5/11/2009	<0.0100	<0.0100	<0.0100	<0.0100	<0.0600	<50.0	6.01	209
BH-3	5/11/2009	<0.0100	<0.0100	<0.0100	<0.0100	<0.0600	<50.0	5.99	<200

1. BTEX = Benzene, toluene, ethylbenzene and xylenes analyzed by EPA SW-846 Method 8021B
2. TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics by EPA Method 8015M.
3. TPH GRO = Total Petroleum Hydrocarbons Gasoline Range Organics by EPA Method 8015.
4. Chlorides by EPA Method 4500-Cl B.

APPENDIX C

**SOIL SAMPLE ANALYTICAL DATA REPORTS AND CHAIN
OF CUSTODY DOCUMENTATION**

Summary Report

Eb Taylor
 Talon LPE-Hobbs
 318 E. Taylor
 Hobbs, NM 88240

Report Date: May 15, 2009

Work Order: 9051203



Project Location: Eddy Co., NM
 Project Name: Sundance Fed 23
 Project Number: OXYUSA006SPL

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
195571	SW-1	soil	2009-05-11	08:00	2009-05-12
195572	SW-2	soil	2009-05-11	08:10	2009-05-12
195573	BH-1	soil	2009-05-11	08:20	2009-05-12
195574	BH-2	soil	2009-05-11	08:25	2009-05-12
195575	BH-3	soil	2009-05-11	08:40	2009-05-12

Sample - Field Code	TPH DRO DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
195571 - SW-1	<50.0	5.84
195572 - SW-2	<50.0	5.01
195573 - BH-1	<50.0	5.95
195574 - BH-2	<50.0	6.01
195575 - BH-3	<50.0	5.99

Sample: 195571 - SW-1

Param	Flag	Result	Units	RL
Benzene		<0.0100	mg/Kg	0.0100
Toluene		<0.0100	mg/Kg	0.0100
Ethylbenzene		<0.0100	mg/Kg	0.0100
Xylene		<0.0100	mg/Kg	0.0100
Total BTEX		<0.0600	mg/Kg	0.0600
Chloride		287	mg/Kg	4.00

Sample: 195572 - SW-2

Param	Flag	Result	Units	RL
Benzene		<0.0100	mg/Kg	0.0100
Toluene		<0.0100	mg/Kg	0.0100
Ethylbenzene		<0.0100	mg/Kg	0.0100
Xylene		<0.0100	mg/Kg	0.0100
Total BTEX		<0.0600	mg/Kg	0.0600
Chloride		240	mg/Kg	4.00

Sample: 195573 - BH-1

Param	Flag	Result	Units	RL
Benzene		<0.0100	mg/Kg	0.0100
Toluene		<0.0100	mg/Kg	0.0100
Ethylbenzene		<0.0100	mg/Kg	0.0100
Xylene		<0.0100	mg/Kg	0.0100
Total BTEX		<0.0600	mg/Kg	0.0600
Chloride		<200	mg/Kg	4.00

Sample: 195574 - BH-2

Param	Flag	Result	Units	RL
Benzene		<0.0100	mg/Kg	0.0100
Toluene		<0.0100	mg/Kg	0.0100
Ethylbenzene		<0.0100	mg/Kg	0.0100
Xylene		<0.0100	mg/Kg	0.0100
Total BTEX		<0.0600	mg/Kg	0.0600
Chloride		209	mg/Kg	4.00

Sample: 195575 - BH-3

Param	Flag	Result	Units	RL
Benzene		<0.0100	mg/Kg	0.0100
Toluene		<0.0100	mg/Kg	0.0100
Ethylbenzene		<0.0100	mg/Kg	0.0100
Xylene		<0.0100	mg/Kg	0.0100
Total BTEX		<0.0600	mg/Kg	0.0600
Chloride		<200	mg/Kg	4.00



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft Worth, Texas 76132 817•201•5260
 E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

Eb Taylor
 Talon LPE-Hobbs
 318 E. Taylor
 Hobbs, NM, 88240

Report Date: May 15, 2009

Work Order: 9051203



Project Location: Eddy Co., NM
 Project Name: Sundance Fed 23
 Project Number: OXYUSA006SPL

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
195571	SW-1	soil	2009-05-11	08:00	2009-05-12
195572	SW-2	soil	2009-05-11	08:10	2009-05-12
195573	BH-1	soil	2009-05-11	08:20	2009-05-12
195574	BH-2	soil	2009-05-11	08:25	2009-05-12
195575	BH-3	soil	2009-05-11	08:40	2009-05-12

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 18 pages and shall not be reproduced except in its entirety, without written approval of

TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Sundance Fed 23 were received by TraceAnalysis, Inc. on 2009-05-12 and assigned to work order 9051203. Samples for work order 9051203 were received intact at a temperature of 12.1 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	50680	2009-05-12 at 15:54	59380	2009-05-12 at 15:54
Chloride (Titration)	SM 4500-Cl B	50742	2009-05-14 at 13:45	59456	2009-05-14 at 13:45
Total BTEX	S 8021B	50680	2009-05-12 at 15:54	59380	2009-05-12 at 15:54
TPH DRO	Mod. 8015B	50666	2009-05-12 at 09:30	59370	2009-05-12 at 11:00
TPH GRO	S 8015B	50734	2009-05-13 at 16:19	59381	2009-05-13 at 16:19

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9051203 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 195571 - SW-1

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5035
Analysis: BTEX, Total BTEX	Date Analyzed: 2009-05-12	Analyzed By: ME
QC Batch: 59380	Sample Preparation: 2009-05-12	Prepared By: ME
Prep Batch: 50680		

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100
Total BTEX		<0.0600	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.01	mg/Kg	1	2.00	100	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.51	mg/Kg	1	2.00	76	45.2 - 144.3

Sample: 195571 - SW-1

Laboratory: Midland	Analytical Method: SM 4500-Cl B	Prep Method: N/A
Analysis: Chloride (Titration)	Date Analyzed: 2009-05-14	Analyzed By: AR
QC Batch: 59456	Sample Preparation: 2009-05-14	Prepared By: AR
Prep Batch: 50742		

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		287	mg/Kg	50	4.00

Sample: 195571 - SW-1

Laboratory: Midland	Analytical Method: Mod. 8015B	Prep Method: N/A
Analysis: TPH DRO	Date Analyzed: 2009-05-12	Analyzed By: LD
QC Batch: 59370	Sample Preparation: 2009-05-12	Prepared By: LD
Prep Batch: 50666		

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		107	mg/Kg	1	100	107	13.2 - 219.3

Sample: 195571 - SW-1

Laboratory: Midland
 Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
 QC Batch: 59381 Date Analyzed: 2009-05-13 Analyzed By: ME
 Prep Batch: 50734 Sample Preparation: 2009-05-13 Prepared By: ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		5.84	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.84	mg/Kg	1	2.00	92	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		1.46	mg/Kg	1	2.00	73	52 - 117

Sample: 195572 - SW-2

Laboratory: Midland
 Analysis: BTEX, Total BTEX Analytical Method: S 8021B Prep Method: S 5035
 QC Batch: 59380 Date Analyzed: 2009-05-12 Analyzed By: ME
 Prep Batch: 50680 Sample Preparation: 2009-05-12 Prepared By: ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100
Total BTEX		<0.0600	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.98	mg/Kg	1	2.00	99	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.49	mg/Kg	1	2.00	74	45.2 - 144.3

Sample: 195572 - SW-2

Laboratory: Midland
 Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
 QC Batch: 59456 Date Analyzed: 2009-05-14 Analyzed By: AR
 Prep Batch: 50742 Sample Preparation: 2009-05-14 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		240	mg/Kg	50	4.00

Sample: 195572 - SW-2

Laboratory: Midland
 Analysis: TPH DRO Analytical Method: Mod. 8015B Prep Method: N/A
 QC Batch: 59370 Date Analyzed: 2009-05-12 Analyzed By: LD
 Prep Batch: 50666 Sample Preparation: 2009-05-12 Prepared By: LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		119	mg/Kg	1	100	119	13.2 - 219.3

Sample: 195572 - SW-2

Laboratory: Midland
 Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
 QC Batch: 59381 Date Analyzed: 2009-05-13 Analyzed By: ME
 Prep Batch: 50734 Sample Preparation: 2009-05-13 Prepared By: ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		5.01	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.85	mg/Kg	1	2.00	92	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		1.43	mg/Kg	1	2.00	72	52 - 117

Sample: 195573 - BH-1

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5035
Analysis: BTEX, Total BTEX	Date Analyzed: 2009-05-12	Analyzed By: ME
QC Batch: 59380	Sample Preparation: 2009-05-12	Prepared By: ME
Prep Batch: 50680		

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100
Total BTEX		<0.0600	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.96	mg/Kg	1	2.00	98	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.55	mg/Kg	1	2.00	78	45.2 - 144.3

Sample: 195573 - BH-1

Laboratory: Midland	Analytical Method: SM 4500-Cl B	Prep Method: N/A
Analysis: Chloride (Titration)	Date Analyzed: 2009-05-14	Analyzed By: AR
QC Batch: 59456	Sample Preparation: 2009-05-14	Prepared By: AR
Prep Batch: 50742		

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 195573 - BH-1

Laboratory: Midland	Analytical Method: Mod. 8015B	Prep Method: N/A
Analysis: TPH DRO	Date Analyzed: 2009-05-12	Analyzed By: LD
QC Batch: 59370	Sample Preparation: 2009-05-12	Prepared By: LD
Prep Batch: 50666		

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		132	mg/Kg	1	100	132	13.2 - 219.3

Sample: 195573 - BH-1

Laboratory: Midland
 Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
 QC Batch: 59381 Date Analyzed: 2009-05-13 Analyzed By: ME
 Prep Batch: 50734 Sample Preparation: 2009-05-13 Prepared By: ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		5.95	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.86	mg/Kg	1	2.00	93	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		1.48	mg/Kg	1	2.00	74	52 - 117

Sample: 195574 - BH-2

Laboratory: Midland
 Analysis: BTEX, Total BTEX Analytical Method: S 8021B Prep Method: S 5035
 QC Batch: 59380 Date Analyzed: 2009-05-12 Analyzed By: ME
 Prep Batch: 50680 Sample Preparation: 2009-05-12 Prepared By: ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100
Total BTEX		<0.0600	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.94	mg/Kg	1	2.00	97	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.50	mg/Kg	1	2.00	75	45.2 - 144.3

Sample: 195574 - BH-2

Laboratory: Midland
 Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
 QC Batch: 59456 Date Analyzed: 2009-05-14 Analyzed By: AR
 Prep Batch: 50742 Sample Preparation: 2009-05-14 Prepared By: AR

continued . . .

sample 195574 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		209	mg/Kg	50	4.00

Sample: 195574 - BH-2

Laboratory: Midland
 Analysis: TPH DRO Analytical Method: Mod. 8015B Prep Method: N/A
 QC Batch: 59370 Date Analyzed: 2009-05-12 Analyzed By: LD
 Prep Batch: 50666 Sample Preparation: 2009-05-12 Prepared By: LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		105	mg/Kg	1	100	105	13.2 - 219.3

Sample: 195574 - BH-2

Laboratory: Midland
 Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
 QC Batch: 59381 Date Analyzed: 2009-05-13 Analyzed By: ME
 Prep Batch: 50734 Sample Preparation: 2009-05-13 Prepared By: ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		6.01	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.85	mg/Kg	1	2.00	92	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		1.45	mg/Kg	1	2.00	72	52 - 117

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/Kg	0.100	0.0954	95	80 - 120	2009-05-12
Ethylbenzene		mg/Kg	0.100	0.0949	95	80 - 120	2009-05-12
Xylene		mg/Kg	0.300	0.284	95	80 - 120	2009-05-12

Standard (CCV-2)

QC Batch: 59380

Date Analyzed: 2009-05-12

Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.102	102	80 - 120	2009-05-12
Toluene		mg/Kg	0.100	0.0993	99	80 - 120	2009-05-12
Ethylbenzene		mg/Kg	0.100	0.100	100	80 - 120	2009-05-12
Xylene		mg/Kg	0.300	0.302	101	80 - 120	2009-05-12

Standard (CCV-1)

QC Batch: 59381

Date Analyzed: 2009-05-13

Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.935	94	80 - 120	2009-05-13

Standard (CCV-2)

QC Batch: 59381

Date Analyzed: 2009-05-13

Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.828	83	80 - 120	2009-05-13

Standard (ICV-1)

QC Batch: 59456

Date Analyzed: 2009-05-14

Analyzed By: AR

Report Date: May 15, 2009
OXYUSA006SPL

Work Order: 9051203
Sundance Fed 23

Page Number: 18 of 18
Eddy Co., NM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2009-05-14

Standard (CCV-1)

QC Batch: 59456

Date Analyzed: 2009-05-14

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.3	99	85 - 115	2009-05-14

APPENDIX D

**New Mexico Oil Conservation Division Release Notification and
Corrective Action Form C-141**

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

Rec'd 6/11/09
NMOCD DIST II

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 102 S Main Carlsbad, NM 88220	Telephone No. (O) 505-887-8337 C) 575-390-1903
Facility Name Sundance Fed. #23	Facility Type Oil Well
Surface Owner BLM	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
	4	24S	31E					Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced water	Volume of Release 20bbbls	Volume Recovered 0
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery 4-27-09 @ 12:00pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher-NMOCD Jim Amos-BLM (left message)	
By Whom? Kelton Beaird (HES Specialist)-Oxy	Date and Hour See above	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

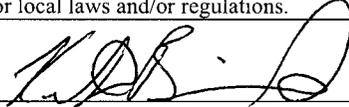
Describe Cause of Problem and Remedial Action Taken.*
Poly-line split causing fluid to leak into the pasture

Describe Area Affected and Cleanup Action Taken *

Due to the release of 20 barrels of produced water, remedial excavation activities were conducted along the ruptured poly-line. Due to the flow path of the release, an area of approximately 80 feet by 27 feet was excavated using a backhoe to approximately 3 feet bgs. A second area of approximately 65 feet by 27 feet was excavated using a backhoe to approximately 8 feet bgs. No visible impact was observed at 3 feet bgs or 8 feet bgs depth in the respective excavations; therefore, confirmation samples were collected and submitted for laboratory analysis. Analytical results indicate non-detectable concentrations of BTEX and detectable concentrations of TPH and chlorides. However, all detected TPH and chloride concentrations were below applicable NMOCD limits with the exception of one (1) sample (SW-1) which reported a chloride concentration of 287 mg/Kg.

Talon proposes that the 1,500 cubic yards of affected soil be transported and disposed of at the Lea Land Inc. landfill (Permit # WM-01-035) west of Hobbs, New Mexico. During affected soil transportation and disposal activities, the excavation will be backfilled and compacted with soil back hauled from Lea Land Inc.

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 <input type="checkbox"/>
Date: 6-9-09		

* Attach Additional Sheets If Necessary