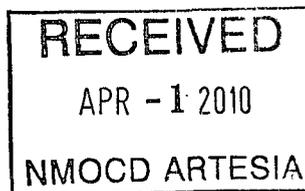


Remediation Plan

Prepared for
Oxy USA



US 13 Federal # 2 Flowline Leak Eddy County, NM

2RP# 726

Prepared by

Elke Environmental, Inc.

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
Rio Brazos Road, Aztec, NM 87410
District IV
St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

| | | |
|---|------------------------------------|------------------------|
| Name of Company – Oxy USA | Contact – Kelton Beard | |
| Address – 1502 W. Commerce Carlsbad, NM 88220 | Telephone No. – 575-628-4121 | |
| Facility Name – US 13 Fed #2 Flowline | Facility Type – Flowline from Well | |
| Surface Owner - BLM | Mineral Owner | Lease No. 30-015-34272 |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| H | 13 | 22S | 24E | | | | | Eddy |

Latitude 32° 23.597' N Longitude 104° 27.393' W

NATURE OF RELEASE

| | | |
|--|---|----------------------------|
| Type of Release – Produced Water | Volume of Release – 80 bbls | Volume Recovered – 0 bbls |
| Source of Release – Steel Flowline | Date and Hour of Occurrence | Date and Hour of Discovery |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? Randy Dade – NMOCD, Bob Ballard – BLM | |
| By Whom? Rick Kerby (HES – 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. | |

Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Steel flowline developed a hole. Area affected was on and off the location to the East approx. 600 feet. Site Ranking for this site is as follows: Wellhead Protection Area – 0 points, Surface Body of Water – 0 points and Groundwater (>100') – 0 points. Total ranking for the site is 0 points. The RAL's for the site are as follows: Chloride – 250ppm, TPH – 5,000ppm and BTEX – 100ppm (using field vapor headspace reading). A delineation was performed using a backhoe. During the delineation impenetrable rock by the backhoe was encountered at 6" at TP1, TP6, TP7 and TP8; impenetrable rock was encountered at 1' at TP5, TP9 and TP10; impenetrable rock was encountered at 2' at TP2, TP3 and TP4.

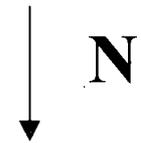
Describe Area Affected and Cleanup Action Taken.* Due to the deep depth of groundwater, impenetrable rock and the low levels of impacted soil Oxy USA proposes leave the spill area un-disturbed. This area will be monitored for growth to assure that the vegetation does not die off by this release.

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: | | <u>OIL CONSERVATION DIVISION</u> | |
| Printed Name: Kelton Beard | | Approved by District Supervisor: | |
| Title: HES Specialist | | Approval Date: | Expiration Date: |
| Email Address: kelton_beaird@oxy.com | | Conditions of Approval: | |
| Date: 3-25-10 | | Attached <input type="checkbox"/> | |
| Phone: 575-628-4121 | | | |

* Attach Additional Sheets If Necessary

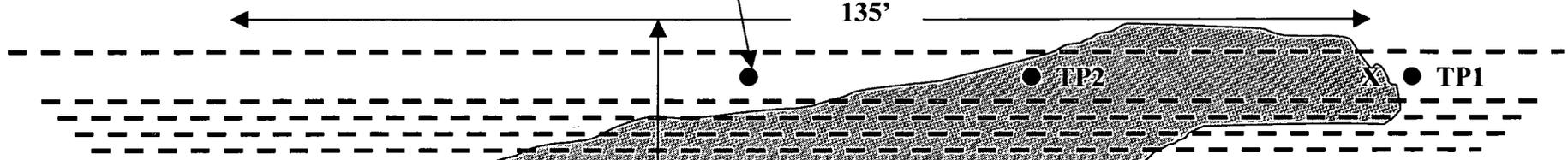
Oxy USA
US 12 Federal #2 Flowline



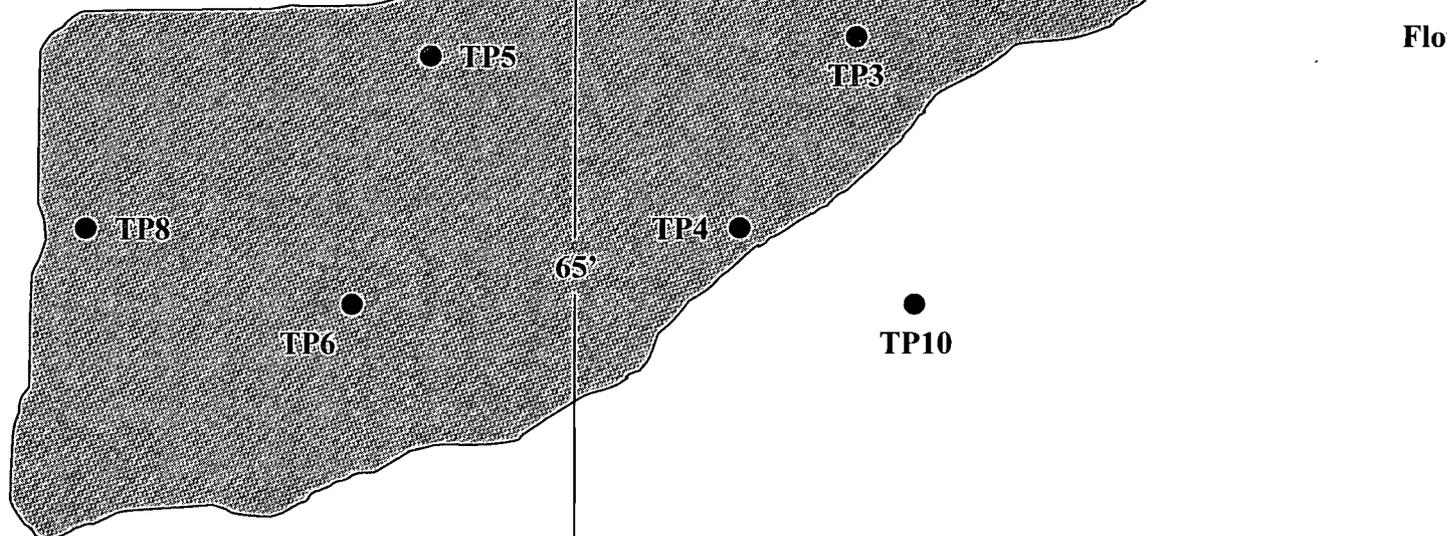
Plat Map

TP9

135'



Flowlines



65'

South
Wall

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Oxy USA Analyst Bobby Steadham

Site US 13 Federal #2 Flowline

| Sample ID | Date | Depth | 418.1 TPH / PPM | Cl / PPM | PID / PPM | GPS |
|-----------|---------|-------|-----------------|----------|-----------|-------------------------------|
| TP1 | 3/12/10 | 3" | 18 | 217 | 11.3 | 32°23.597' N 104°27.393' W |
| TP1 | 3/12/10 | 6" | 23 | 245 | 9.5 | 32°23.597' N 104°27.393' W |
| TP2 | 3/12/10 | 1' | 11 | 532 | 13.6 | 32°23.594' N 104°27.384' W |
| TP2 | 3/12/10 | 2' | 26 | 295 | 5.2 | 32°23.594' N 104°27.384' W |
| TP3 | 3/12/10 | 3" | 16 | 171 | 7.2 | 32°23.589' N 104°27.369' W |
| TP3 | 3/12/10 | 1' | | 549 | 2.3 | 32°23.589' N 104°27.369' W |
| TP3 | 3/12/10 | 2' | 7 | 279 | 0.9 | 32°23.589' N 104°27.369' W |
| TP4 | 3/12/10 | 3" | 23 | 289 | 8.5 | 32°23.586' N 104°27.365' W |
| TP4 | 3/12/10 | 1' | | 532 | 5.2 | 32°23.586' N 104°27.365' W |
| TP4 | 3/12/10 | 2' | 1 | 369 | 2.0 | 32°23.586' N 104°27.365' W |
| TP5 | 3/12/10 | 3" | 11 | 297 | 1.9 | 32°23.586' N 104°27.365' W |
| TP5 | 3/12/10 | 6" | | 347 | 1.0 | 32°23.579' N 104°27.354' W |
| TP5 | 3/12/10 | 1' | 4 | 486 | 0.4 | 32°23.579' N 104°27.354' W |
| TP6 | 3/12/10 | 3" | 26 | 567 | 2.1 | 32°23.582' N 104°27.346' W |
| TP6 | 3/12/10 | 6" | 14 | 262 | 1.0 | 32°23.582' N 104°27.346' W |
| TP7 | 3/12/10 | 3" | 17 | 149 | 0.8 | 32°23.586' N 104°27.365' W |
| TP7 | 3/12/10 | 6" | 8 | 209 | 1.2 | 32°23.586' N 104°27.365' W |

Test Points 1, 2 & 9, Delineated w/shovel, rock at approximately 1'

Analyst Notes Test Points 5, 6 & 7 Encountered Rock between 6" and 1', dug w/backhoe

Analytical Report 366347

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Oxy USA

US 13 Fed # 2 Flow Line

25-MAR-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL00449):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)

North Carolina(444), Texas(T104704468-TX), Illinois(002295)



25-MAR-10

Project Manager: **Logan Anderson**
Elke Environmental, Inc.
P.O. Box 14167
Odessa, TX 79768

Reference: XENCO Report No: **366347**
Oxy USA
Project Address: US 13 Fed # 2 Flow Line

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 366347. 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. 366347 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 366347



Elke Environmental, Inc., Odessa, TX

Oxy USA

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|------------------|---------------|-----------------------|---------------------|----------------------|
| TP 1 @ 6" | S | Mar-12-10 12:30 | 6 In | 366347-001 |
| TP 2 @ 2' | S | Mar-12-10 13:00 | 2 ft | 366347-002 |
| TP 5 @ 1' | S | Mar-12-10 14:00 | 1 ft | 366347-003 |
| TP 8 @ 6" | S | Mar-12-10 14:30 | 6 In | 366347-004 |
| TP 6 @ 6" | S | Mar-12-10 13:45 | 6 In | 366347-005 |

CASE NARRATIVE



Client Name: Elke Environmental, Inc.
Project Name: Oxy USA



Project ID: US 13 Fed # 2 Flow Line
Work Order Number: 366347

Report Date: 25-MAR-10
Date Received: 03/19/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-799362 Percent Moisture

None

Batch: LBA-799390 TPH By SW8015 Mod

None

Batch: LBA-799515 Inorganic Anions by EPA 300

None



Certificate of Analysis Summary 366347

Elke Environmental, Inc., Odessa, TX

Project Name: Oxy USA



Project Id: US 13 Fed # 2 Flow Line

Contact: Logan Anderson

Project Location: US 13 Fed # 2 Flow Line

Date Received in Lab: Fri Mar-19-10 04:55 pm

Report Date: 25-MAR-10

Project Manager: Brent Barron, II

| Analysis Requested | Lab Id: | 366347-001 | 366347-002 | 366347-003 | 366347-004 | 366347-005 | |
|------------------------------------|------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|
| | Field Id: | TP 1 @ 6" | TP 2 @ 2' | TP 5 @ 1' | TP 8 @ 6" | TP 6 @ 6" | |
| | Depth: | 6 In | 2 ft | 1 ft | 6 In | 6 In | |
| | Matrix: | SOIL | SOIL | SOIL | SOIL | SOIL | |
| | Sampled: | Mar-12-10 12:30 | Mar-12-10 13:00 | Mar-12-10 14:00 | Mar-12-10 14:30 | Mar-12-10 13:45 | |
| Anions by E300 | Extracted: | | | | | | |
| | Analyzed: | Mar-23-10 10:46 | |
| | Units/RL: | mg/kg RL | |
| Chloride | | 224 9.40 | 518 9.09 | 55.6 4.91 | 489 9.95 | 57.9 4.91 | |
| Percent Moisture | Extracted: | | | | | | |
| | Analyzed: | Mar-22-10 15:10 | |
| | Units/RL: | % RL | |
| Percent Moisture | | 10.6 1.00 | 7.57 1.00 | 14.4 1.00 | 15.6 1.00 | 14.4 1.00 | |
| TPH By SW8015 Mod | Extracted: | Mar-22-10 15:00 | |
| | Analyzed: | Mar-23-10 13:26 | Mar-23-10 13:57 | Mar-23-10 14:28 | Mar-23-10 14:58 | Mar-23-10 15:28 | |
| | Units/RL: | mg/kg RL | |
| C6-C12 Gasoline Range Hydrocarbons | | ND 16.7 | ND 16.2 | ND 17.5 | ND 17.8 | ND 17.5 | |
| C12-C28 Diesel Range Hydrocarbons | | ND 16.7 | ND 16.2 | ND 17.5 | ND 17.8 | ND 17.5 | |
| C28-C35 Oil Range Hydrocarbons | | ND 16.7 | ND 16.2 | ND 17.5 | ND 17.8 | ND 17.5 | |
| Total TPH | | ND 16.7 | ND 16.2 | ND 17.5 | ND 17.8 | ND 17.5 | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi


 Brent Barron, II
 Odessa Laboratory Manager



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.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- * Outside XENCO's scope of NELAC Accreditation.

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| | | |
|--|----------------|----------------|
| Houston - Dallas - San Antonio - Corpus Christi - Midland/Odessa - Tampa - Miami - Latin America | | |
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| 4143 Greenbriar Dr, Stafford, Tx 77477 | (281) 240-4200 | (281) 240-4280 |
| 9701 Harry Hines Blvd , Dallas, TX 75220 | (214) 902 0300 | (214) 351-9139 |
| 5332 Blackberry Drive, San Antonio TX 78238 | (210) 509-3334 | (210) 509-3335 |
| 2505 North Falkenburg Rd, Tampa, FL 33619 | (813) 620-2000 | (813) 620-2033 |
| 5757 NW 158th St, Miami Lakes, FL 33014 | (305) 823-8500 | (305) 823-8555 |
| 12600 West I-20 East, Odessa, TX 79765 | (432) 563-1800 | (432) 563-1713 |
| 842 Cantwell Lane, Corpus Christi, TX 78408 | (361) 884-0371 | (361) 884-9116 |



Form 2 - Surrogate Recoveries

Project Name: Oxy USA

Work Orders : 366347,

Project ID: US 13 Fed # 2 Flow Line

Lab Batch #: 799390

Sample: 558807-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 03/22/10 18:26

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 108 | 100 | 108 | 70-135 | |
| o-Terphenyl | 51.6 | 50.0 | 103 | 70-135 | |

Lab Batch #: 799390

Sample: 558807-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 03/22/10 18:57

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 106 | 100 | 106 | 70-135 | |
| o-Terphenyl | 50.8 | 50.2 | 101 | 70-135 | |

Lab Batch #: 799390

Sample: 558807-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 03/22/10 19:28

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.8 | 99.5 | 95 | 70-135 | |
| o-Terphenyl | 53.7 | 49.8 | 108 | 70-135 | |

Lab Batch #: 799390

Sample: 366347-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 03/23/10 13:26

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 75.1 | 100 | | 70-135 | |
| o-Terphenyl | 40.7 | 50.0 | | 70-135 | |

Lab Batch #: 799390

Sample: 366347-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 03/23/10 13:57

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 70.5 | 100 | | 70-135 | |
| o-Terphenyl | 37.7 | 50.0 | | 70-135 | |

* Surrogate outside of Laboratory QC limits

** 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 USA

Work Orders : 366347,

Project ID: US 13 Fed # 2 Flow Line

Lab Batch #: 799390

Sample: 366347-003 / SMP

Batch: 1 Matrix: Soil

| SURROGATE RECOVERY STUDY | | | | | | |
|--------------------------|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Units: mg/kg | Date Analyzed: 03/23/10 14:28 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| TPH By SW8015 Mod | | | | | | |
| Analytes | | | | | | |
| 1-Chlorooctane | | 96.5 | 100 | | 70-135 | |
| o-Terphenyl | | 53.5 | 50.0 | | 70-135 | |

Lab Batch #: 799390

Sample: 366347-004 / SMP

Batch: 1 Matrix: Soil

| SURROGATE RECOVERY STUDY | | | | | | |
|--------------------------|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Units: mg/kg | Date Analyzed: 03/23/10 14:58 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| TPH By SW8015 Mod | | | | | | |
| Analytes | | | | | | |
| 1-Chlorooctane | | 80.7 | 100 | | 70-135 | |
| o-Terphenyl | | 44.9 | 50.0 | | 70-135 | |

Lab Batch #: 799390

Sample: 366347-005 / SMP

Batch: 1 Matrix: Soil

| SURROGATE RECOVERY STUDY | | | | | | |
|--------------------------|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Units: mg/kg | Date Analyzed: 03/23/10 15:28 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| TPH By SW8015 Mod | | | | | | |
| Analytes | | | | | | |
| 1-Chlorooctane | | 90.8 | 100 | | 70-135 | |
| o-Terphenyl | | 50.7 | 50.0 | | 70-135 | |

Lab Batch #: 799390

Sample: 366352-002 S / MS

Batch: 1 Matrix: Soil

| SURROGATE RECOVERY STUDY | | | | | | |
|--------------------------|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Units: mg/kg | Date Analyzed: 03/23/10 17:17 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| TPH By SW8015 Mod | | | | | | |
| Analytes | | | | | | |
| 1-Chlorooctane | | 124 | 99.5 | 125 | 70-135 | |
| o-Terphenyl | | 57.9 | 49.8 | 116 | 70-135 | |

Lab Batch #: 799390

Sample: 366352-002 SD / MSD

Batch: 1 Matrix: Soil

| SURROGATE RECOVERY STUDY | | | | | | |
|--------------------------|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Units: mg/kg | Date Analyzed: 03/23/10 17:47 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| TPH By SW8015 Mod | | | | | | |
| Analytes | | | | | | |
| 1-Chlorooctane | | 108 | 99.7 | 108 | 70-135 | |
| o-Terphenyl | | 51.6 | 49.9 | 103 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** 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 USA

Work Order #: 366347

Project ID: US 13 Fed # 2 Flow Line

Lab Batch #: 799515

Sample: 799515-1-BKS

Matrix: Solid

Date Analyzed: 03/23/2010

Date Prepared: 03/23/2010

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

| Anions by E300 Analytes | Blank Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Control Limits %R | Flags |
|----------------------------|---------------------|--------------------|---------------------------|-----------------------|----------------------|-------|
| Chloride | ND | 10.0 | 10.7 | 107 | 75-125 | |

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

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

BRL - Below Reporting Limit



Project Name: Oxy USA

Work Order #: 366347

Analyst: BEV

Date Prepared: 03/22/2010

Lab Batch ID: 799390

Sample: 558807-1-BKS

Batch #: 1

Units: mg/kg

BLANK / BLANK SPIKE

TPH By SW8015 Mod

Analytes

| |
|------------------------------------|
| C6-C12 Gasoline Range Hydrocarbons |
| C12-C28 Diesel Range Hydrocarbons |

| Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike Recovery % [D] |
|-------------------------------|-----------------------|---------------------------------|--|
| ND | 1000 | 1030 | 103 |
| ND | 1000 | 722 | 72.2 |

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



Project ID: US 13 Fed # 2 Flow Line

Date Analyzed: 03/22/2010

Matrix: Solid

/ BLANK SPIKE DUPLICATE RECOVERY STUDY

| Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|--------------------|----------------------------------|----------------------|-------|-------------------|---------------------|------|
| 1000 | 1020 | 102 | 1 | 70-135 | 35 | |
| 1000 | 725 | 73 | 0 | 70-135 | 35 | |



Form 3 - MS Recoveries



Project Name: Oxy USA

Work Order #: 366347

Lab Batch #: 799515

Project ID: US 13 Fed # 2 Flow Line

Date Analyzed: 03/23/2010

Date Prepared: 03/23/2010

Analyst: LATCOR

QC- Sample ID: 366170-001 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

| Inorganic Anions by EPA 300 Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | %R [D] | Control Limits %R | Flag |
|---|--------------------------|-----------------|--------------------------|--------|-------------------|--------|
| | Chloride | ND | 105 | 114 | 109 | 75-125 |

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

BRL - Below Reporting Limit



Form 3 - / MSD Recoveries



Project Name: Oxy USA

Work Order #: 366347

Project ID: US 13 Fed # 2 Flow Line

Lab Batch ID: 799390

QC- Sample ID: 366352-002 S

Batch #: 1 Matrix: Soil

Date Analyzed: 03/23/2010

Date Prepared: 03/22/2010

Analyst: BEV

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Duplicate Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|------------------------------------|--------------------------|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| C6-C12 Gasoline Range Hydrocarbons | ND | 1120 | 1300 | 116 | 1120 | 1160 | 104 | 11 | 70-135 | 35 | |
| C12-C28 Diesel Range Hydrocarbons | ND | 1120 | 935 | 83 | 1120 | 818 | 73 | 13 | 70-135 | 35 | |

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

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

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



Sample Duplicate Recovery



Project Name: Oxy USA

Work Order #: 366347

Lab Batch #: 799515

Project ID: US 13 Fed # 2 Flow Line

Date Analyzed: 03/23/2010

Date Prepared: 03/23/2010

Analyst: LATCOR

QC- Sample ID: 366170-001 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Anions by E300 | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Chloride | ND | ND | NC | 20 | |

Lab Batch #: 799362

Date Analyzed: 03/22/2010

Date Prepared: 03/22/2010

Analyst: WRU

QC- Sample ID: 366344-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Percent Moisture | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Percent Moisture | 4.97 | 5.00 | 1 | 20 | |

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

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

BRL - Below Reporting Limit

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Elke Env.
 Date/ Time: 3-19-10 16:55
 Lab ID #: 366347
 Initials: AL

Sample Receipt Checklist

| | | | | Client Initials |
|--|-------|----|--------------------------|-----------------|
| #1 Temperature of container/ cooler? | (Yes) | No | .4 °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