

**OXY USA, Inc.**  
**West Dollarhide Devonian Unit #121**  
**Closure Report**  
**Section 33, T24S, R38E**  
**Lea County, New Mexico**

**December 8, 2014**



**Prepared for:**

**OXY USA, Inc.**  
**1017 W Stanolind Road**  
**Hobbs, New Mexico 88240**

**By:**

**Safety & Environmental Solutions, Inc.**  
**703 East Clinton Street**  
**Hobbs, New Mexico 88240**  
**(575) 397-0510**

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## I. Company Contacts

| Representative | Company       | Telephone    | E-mail                 |
|----------------|---------------|--------------|------------------------|
| Austin Tramell | OXY USA, INC. | 575-499-4919 | Austin_Tramell@oxy.com |
| Bob Allen      | SESI          | 575-397-0510 | ballen@sesi-nm.com     |

## II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by OXY USA, INC to perform site assessment of a release area at the West Dollarhide Devonian Unit #121 located in Section 33 of Township 24 South, Range 38 East, Lea County, New Mexico.

According to the C-141 the cause of release was a tank spill over.

## III. Surface and Ground Water

The nearest groundwater of record is approximately 4.0 miles South Southwest of the site. The New Mexico Office of State Engineer record is in Section 20 Range 38 East and Township 25 South. The reported depth was 75 feet below ground surface (BGS).

## IV. Characterization

The target cleanup levels are determined using the *Guidelines for Remediation of Leaks, Spills and Releases* published by the NMOCD (August 13, 1993). Based on the ranking criteria presented below, the applicable Recommended Remediation Action Levels (RRAL) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 5,000 ppm Total Petroleum Hydrocarbons (TPH).

| Depth to Ground Water:   |                       |           |    |
|--|-----------------------|-----------|----|
| (Vertical distance from contaminants to seasonal high water elevation of groundwater)                          | Less than 50 feet     | 20 points |    |
|  | 50 feet to 99 feet    | 10 points | X  |
|  | >100 feet             | 0 points  |    |
| Wellhead Protection Area:  |                       |           |    |
| (Less than 200 feet from a private domestic water source; or less than 1000 feet from all other water sources) | Yes                   | 20 points |    |
|  | No                    | 0 points  | X  |
| Distance to Surface Water:   |                       |           |    |
| (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)        | Less than 200 feet    | 20 points |    |
|  | 200 feet to 1000 feet | 10 points |    |
|  | >1000 feet            | 0 points  | X  |
| RANKING SCORE (TOTAL POINTS)   |                       |           | 10 |

## V. Work Performed

On February 13, 2014, BBC International Inc. was onsite to determine vertical extent of contamination. Samples SP1 was taken at the surface and at a depth of 1' ft., 2.5' ft., 3' ft. and 5' ft. Samples SP2 were taken at 1' ft., 3' ft. and 5' ft. All samples were properly packaged, preserved and transported to the Laboratory, Hobbs New Mexico and analyzed for Benzene, Toluene, Ethylbenzene, Xylenes, Total BTEX and Chloride (Cl<sup>-</sup>) (Method SM4500Cl-B). The results of the analysis are presented in the table below:

| Sample Date<br>2/13/2014 | Sample ID  | Benzene<br>(mg/kg) | Toluene<br>(mg/kg) | Ethylbenzene<br>(mg/kg) | Xylenes<br>(mg/kg) | Total<br>BTEX |
|--------------------------|------------|--------------------|--------------------|-------------------------|--------------------|---------------|
| Depth                    | Method     |                    |                    |                         |                    |               |
| SP1 at 1'                | BTEX 8021B | <0.050             | <0.050             | <0.056                  | <0.150             | <0.300        |
| SP1 at 2.5'              | BTEX 8021B | <0.050             | <0.050             | <0.050                  | <0.150             | <0.300        |
| SP1 at 3'                | BTEX 8021B | <0.050             | <0.050             | <0.050                  | <0.150             | <0.300        |
| SP1 at 5'                | BTEX 8021B | <0.050             | <0.050             | <0.050                  | <0.150             | <0.300        |
| SP2 at 1'                | BTEX 8021B | <0.050             | <0.050             | <0.050                  | <0.150             | <0.300        |
| SP2 at 3'                | BTEX 8021B | <0.050             | <0.050             | <0.050                  | <0.150             | <0.300        |
| SP2 at 5'                | BTEX 8021B | <0.050             | <0.050             | <0.050                  | <0.150             | <0.300        |

| Sample Date<br>05/03/2014 | Sample ID  | Chloride<br>(CI) | Sample ID | GRO<br>(C <sub>6</sub> -C <sub>10</sub> )<br>(mg/kg) | DRO<br>(>C <sub>10</sub> -C <sub>28</sub> )<br>(mg/kg) |
|---------------------------|------------|------------------|-----------|--|--|
| Depth                     | Method     |                  | Method    |  |  |
| SP1 at 1'                 | SM4500CI-B | 3080             | TPH 8015M | <10.0  | 264  |
| SP1 at 2.5'               | SM4500CI-B | 384              | TPH 8015M | <10.0  | <10.0  |
| SP1 at 3'                 | SM4500CI-B | 256              | TPH 8015M | <10.0  | 12.7   |
| SP1 at 5'                 | SM4500CI-B | 96               | TPH 8015M | <10.0  | <10.0  |
| SP2 at 1'                 | SM4500CI-B | 2720             | TPH 8015M | <10.0  | <10.0  |
| SP2 at 3'                 | SM4500CI-B | 336              | TPH 8015M | <10.0  | <10.0  |
| SP2 at 5'                 | SM4500CI-B | 96               | TPH 8015M | <10.0  | <10.0  |

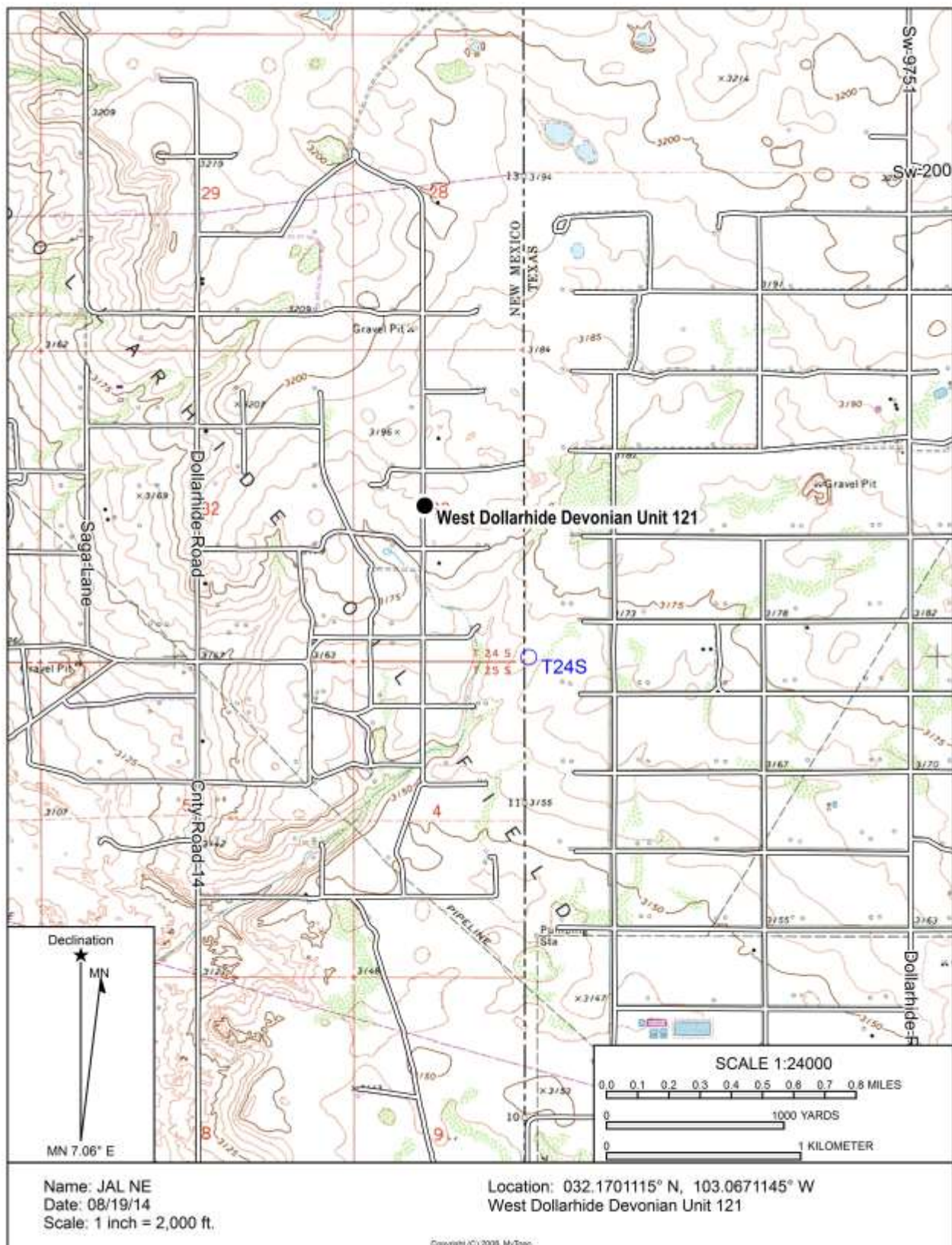
## VI. Closure

Excavated approximately 1' and removed all the contaminated soil from the spill area, transported to Sundance. The excavated has been backfilled with native soil and returned to natural grade.

## VII. Figures & Appendices

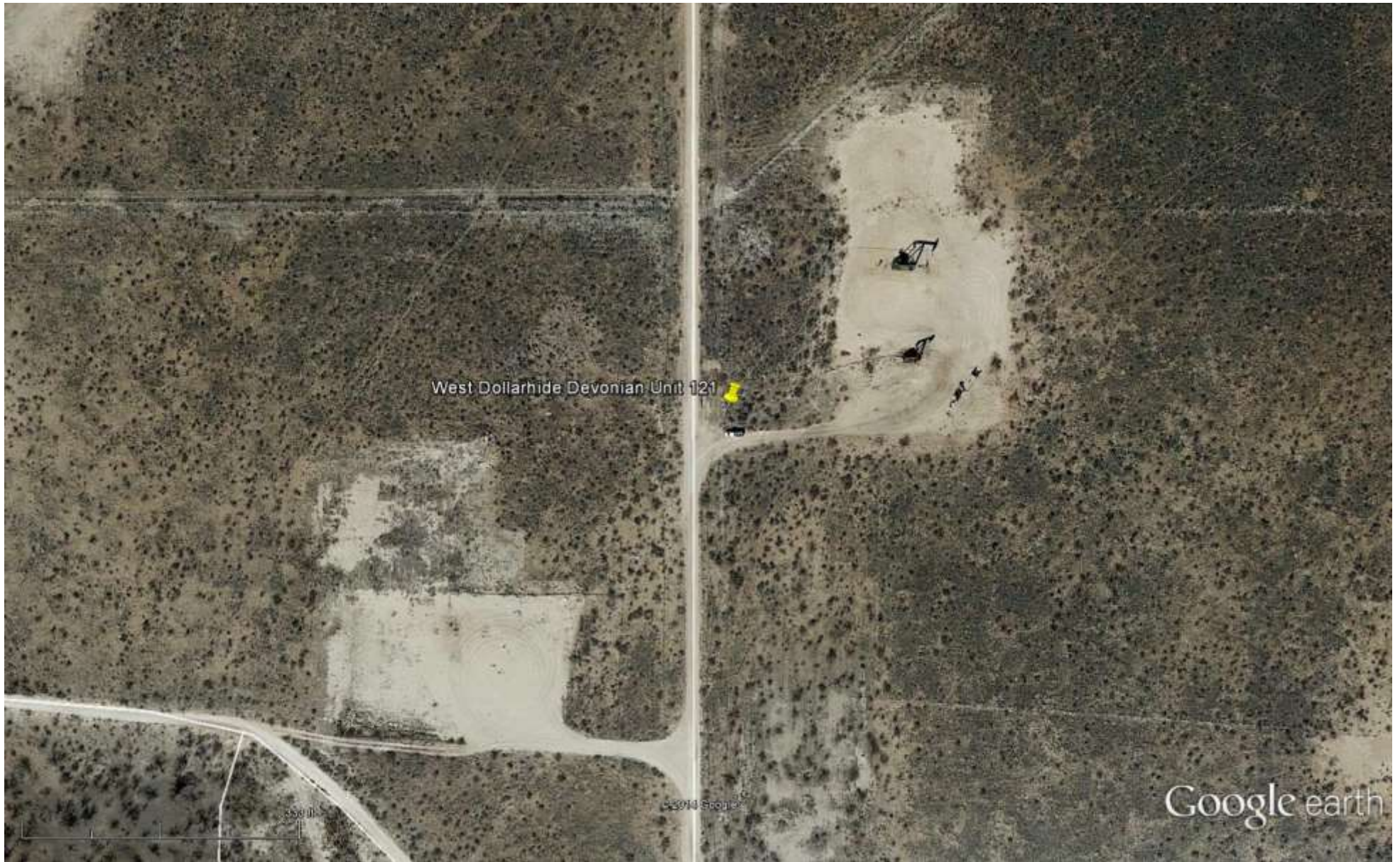
Figure 1 – Vicinity Map  
Figure 2 – Site Plan  
Figure 3 – NMOCD Trend Map  
Appendix A – Analytical Results  
Appendix B – C-141

**Figure 1**  
**Vicinity Map**



**Figure 2**  
**Site Plan**





West Dollarhide Devonian Unit 121



## **Appendix A Analytical Results**



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

August 27, 2014

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: DOLLARHIDE UNIT 121

Enclosed are the results of analyses for samples received by the laboratory on 08/26/14 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celest D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

Safety & Environmental Solutions  
Bob Allen  
703 East Clinton  
Hobbs NM, 88240  
Fax To: (575) 393-4388

|                   |                     |                     |               |
|-------------------|---------------------|---------------------|---------------|
| Received:         | 08/26/2014          | Sampling Date:      | 08/25/2014    |
| Reported:         | 08/27/2014          | Sampling Type:      | Soil          |
| Project Name:     | DOLLARHIDE UNIT 121 | Sampling Condition: | Cool & Intact |
| Project Number:   | OXY-14-             | Sample Received By: | Jodi Henson   |
| Project Location: | JAL, NM             |                     |               |

**Sample ID: AH-1 1.5' BGS (H402609-01)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 08/27/2014 | ND              | 432 | 108        | 400           | 7.69 |           |  |

**Sample ID: AH-2 1.5' BGS (H402609-02)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 08/27/2014 | ND              | 432 | 108        | 400           | 7.69 |           |

**Sample ID: AH-3 1.5' BGS (H402609-03)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 160    | 16.0            | 08/27/2014 | ND              | 432 | 108        | 400           | 7.69 |           |  |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

|     |  |
|-----|--|
| ND  | Analyte NOT DETECTED at or above the reporting limit                             |
| RPD | Relative Percent Difference  |
| **  | Samples not received at proper temperature of 6°C or below.                      |
| *** | Insufficient time to reach temperature.  |
| -   | Chloride by SM4500Cl-B does not require samples be received at or below 6°C      |
|     | Samples reported on an as received basis (wet) unless otherwise noted on report. |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES  
101 East Marlton, Hobbs, NM 88240  
(505) 393-2328 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

|  |  |                                       |  |                       |  |                              |  |
|--|--|---------------------------------------|--|-----------------------|--|------------------------------|--|
| Company Name: Safety & Environmental Solutions, Inc. |  | P.O. #:                               |  | BILL TO               |  | ANALYSIS REQUEST             |  |
| Project Manager: Bob Allen                           |  | City: Hobbs                           |  | State: NM Zip: 88240  |  | Company: <del>same</del> Oxy |  |
| Address: 703 East Clinton                            |  | City: Hobbs                           |  | State: NM Zip: 88240  |  | Address: 6 Desha Drive       |  |
| Phone #: 575-397-0510 Fax #: 575-393-4388            |  | City: Moberg                          |  | State: TX Zip: 79710  |  | City: Moberg                 |  |
| Project #: OXY-14                                    |  | Project Owner: Oxy                    |  | State: TX Zip: 79710  |  | City: Moberg                 |  |
| Project Name: BOLLARUE CREEK C21                     |  | Project Location: Lez County JAL N.W. |  | Phone #: 492-250-2716 |  | City: Moberg                 |  |
| Sample Name: Sose Juvary                             |  | FAX #:                                |  | DATE                  |  | TIME                         |  |
| Lab I.D. H02629                                      |  | Sample I.D.                           |  | DATE                  |  | TIME                         |  |
| 1 AH-1 1.5A BGS                                      |  | 1                                     |  | DATE                  |  | TIME                         |  |
| 2 AH-2 1.5A BGS                                      |  | 2                                     |  | DATE                  |  | TIME                         |  |
| 3 AH-3 1.5A BGS                                      |  | 3                                     |  | DATE                  |  | TIME                         |  |
| 4 AH-4 1.5A BGS                                      |  | 4                                     |  | DATE                  |  | TIME                         |  |
| 5 AH-5 1.5A BGS                                      |  | 5                                     |  | DATE                  |  | TIME                         |  |
| 6 AH-6 1.5A BGS                                      |  | 6                                     |  | DATE                  |  | TIME                         |  |
| 7 AH-7 1.5A BGS                                      |  | 7                                     |  | DATE                  |  | TIME                         |  |
| 8 AH-8 1.5A BGS                                      |  | 8                                     |  | DATE                  |  | TIME                         |  |
| 9 AH-9 1.5A BGS                                      |  | 9                                     |  | DATE                  |  | TIME                         |  |
| 10 AH-10 1.5A BGS                                    |  | 10                                    |  | DATE                  |  | TIME                         |  |
| 11 AH-11 1.5A BGS                                    |  | 11                                    |  | DATE                  |  | TIME                         |  |
| 12 AH-12 1.5A BGS                                    |  | 12                                    |  | DATE                  |  | TIME                         |  |
| 13 AH-13 1.5A BGS                                    |  | 13                                    |  | DATE                  |  | TIME                         |  |
| 14 AH-14 1.5A BGS                                    |  | 14                                    |  | DATE                  |  | TIME                         |  |
| 15 AH-15 1.5A BGS                                    |  | 15                                    |  | DATE                  |  | TIME                         |  |
| 16 AH-16 1.5A BGS                                    |  | 16                                    |  | DATE                  |  | TIME                         |  |
| 17 AH-17 1.5A BGS                                    |  | 17                                    |  | DATE                  |  | TIME                         |  |
| 18 AH-18 1.5A BGS                                    |  | 18                                    |  | DATE                  |  | TIME                         |  |
| 19 AH-19 1.5A BGS                                    |  | 19                                    |  | DATE                  |  | TIME                         |  |
| 20 AH-20 1.5A BGS                                    |  | 20                                    |  | DATE                  |  | TIME                         |  |
| 21 AH-21 1.5A BGS                                    |  | 21                                    |  | DATE                  |  | TIME                         |  |
| 22 AH-22 1.5A BGS                                    |  | 22                                    |  | DATE                  |  | TIME                         |  |
| 23 AH-23 1.5A BGS                                    |  | 23                                    |  | DATE                  |  | TIME                         |  |
| 24 AH-24 1.5A BGS                                    |  | 24                                    |  | DATE                  |  | TIME                         |  |
| 25 AH-25 1.5A BGS                                    |  | 25                                    |  | DATE                  |  | TIME                         |  |
| 26 AH-26 1.5A BGS                                    |  | 26                                    |  | DATE                  |  | TIME                         |  |
| 27 AH-27 1.5A BGS                                    |  | 27                                    |  | DATE                  |  | TIME                         |  |
| 28 AH-28 1.5A BGS                                    |  | 28                                    |  | DATE                  |  | TIME                         |  |
| 29 AH-29 1.5A BGS                                    |  | 29                                    |  | DATE                  |  | TIME                         |  |
| 30 AH-30 1.5A BGS                                    |  | 30                                    |  | DATE                  |  | TIME                         |  |
| 31 AH-31 1.5A BGS                                    |  | 31                                    |  | DATE                  |  | TIME                         |  |
| 32 AH-32 1.5A BGS                                    |  | 32                                    |  | DATE                  |  | TIME                         |  |
| 33 AH-33 1.5A BGS                                    |  | 33                                    |  | DATE                  |  | TIME                         |  |
| 34 AH-34 1.5A BGS                                    |  | 34                                    |  | DATE                  |  | TIME                         |  |
| 35 AH-35 1.5A BGS                                    |  | 35                                    |  | DATE                  |  | TIME                         |  |
| 36 AH-36 1.5A BGS                                    |  | 36                                    |  | DATE                  |  | TIME                         |  |
| 37 AH-37 1.5A BGS                                    |  | 37                                    |  | DATE                  |  | TIME                         |  |
| 38 AH-38 1.5A BGS                                    |  | 38                                    |  | DATE                  |  | TIME                         |  |
| 39 AH-39 1.5A BGS                                    |  | 39                                    |  | DATE                  |  | TIME                         |  |
| 40 AH-40 1.5A BGS                                    |  | 40                                    |  | DATE                  |  | TIME                         |  |
| 41 AH-41 1.5A BGS                                    |  | 41                                    |  | DATE                  |  | TIME                         |  |
| 42 AH-42 1.5A BGS                                    |  | 42                                    |  | DATE                  |  | TIME                         |  |
| 43 AH-43 1.5A BGS                                    |  | 43                                    |  | DATE                  |  | TIME                         |  |
| 44 AH-44 1.5A BGS                                    |  | 44                                    |  | DATE                  |  | TIME                         |  |
| 45 AH-45 1.5A BGS                                    |  | 45                                    |  | DATE                  |  | TIME                         |  |
| 46 AH-46 1.5A BGS                                    |  | 46                                    |  | DATE                  |  | TIME                         |  |
| 47 AH-47 1.5A BGS                                    |  | 47                                    |  | DATE                  |  | TIME                         |  |
| 48 AH-48 1.5A BGS                                    |  | 48                                    |  | DATE                  |  | TIME                         |  |
| 49 AH-49 1.5A BGS                                    |  | 49                                    |  | DATE                  |  | TIME                         |  |
| 50 AH-50 1.5A BGS                                    |  | 50                                    |  | DATE                  |  | TIME                         |  |
| 51 AH-51 1.5A BGS                                    |  | 51                                    |  | DATE                  |  | TIME                         |  |
| 52 AH-52 1.5A BGS                                    |  | 52                                    |  | DATE                  |  | TIME                         |  |
| 53 AH-53 1.5A BGS                                    |  | 53                                    |  | DATE                  |  | TIME                         |  |
| 54 AH-54 1.5A BGS                                    |  | 54                                    |  | DATE                  |  | TIME                         |  |
| 55 AH-55 1.5A BGS                                    |  | 55                                    |  | DATE                  |  | TIME                         |  |
| 56 AH-56 1.5A BGS                                    |  | 56                                    |  | DATE                  |  | TIME                         |  |
| 57 AH-57 1.5A BGS                                    |  | 57                                    |  | DATE                  |  | TIME                         |  |
| 58 AH-58 1.5A BGS                                    |  | 58                                    |  | DATE                  |  | TIME                         |  |
| 59 AH-59 1.5A BGS                                    |  | 59                                    |  | DATE                  |  | TIME                         |  |
| 60 AH-60 1.5A BGS                                    |  | 60                                    |  | DATE                  |  | TIME                         |  |
| 61 AH-61 1.5A BGS                                    |  | 61                                    |  | DATE                  |  | TIME                         |  |
| 62 AH-62 1.5A BGS                                    |  | 62                                    |  | DATE                  |  | TIME                         |  |
| 63 AH-63 1.5A BGS                                    |  | 63                                    |  | DATE                  |  | TIME                         |  |
| 64 AH-64 1.5A BGS                                    |  | 64                                    |  | DATE                  |  | TIME                         |  |
| 65 AH-65 1.5A BGS                                    |  | 65                                    |  | DATE                  |  | TIME                         |  |
| 66 AH-66 1.5A BGS                                    |  | 66                                    |  | DATE                  |  | TIME                         |  |
| 67 AH-67 1.5A BGS                                    |  | 67                                    |  | DATE                  |  | TIME                         |  |
| 68 AH-68 1.5A BGS                                    |  | 68                                    |  | DATE                  |  | TIME                         |  |
| 69 AH-69 1.5A BGS                                    |  | 69                                    |  | DATE                  |  | TIME                         |  |
| 70 AH-70 1.5A BGS                                    |  | 70                                    |  | DATE                  |  | TIME                         |  |
| 71 AH-71 1.5A BGS                                    |  | 71                                    |  | DATE                  |  | TIME                         |  |
| 72 AH-72 1.5A BGS                                    |  | 72                                    |  | DATE                  |  | TIME                         |  |
| 73 AH-73 1.5A BGS                                    |  | 73                                    |  | DATE                  |  | TIME                         |  |
| 74 AH-74 1.5A BGS                                    |  | 74                                    |  | DATE                  |  | TIME                         |  |
| 75 AH-75 1.5A BGS                                    |  | 75                                    |  | DATE                  |  | TIME                         |  |
| 76 AH-76 1.5A BGS                                    |  | 76                                    |  | DATE                  |  | TIME                         |  |
| 77 AH-77 1.5A BGS                                    |  | 77                                    |  | DATE                  |  | TIME                         |  |
| 78 AH-78 1.5A BGS                                    |  | 78                                    |  | DATE                  |  | TIME                         |  |
| 79 AH-79 1.5A BGS                                    |  | 79                                    |  | DATE                  |  | TIME                         |  |
| 80 AH-80 1.5A BGS                                    |  | 80                                    |  | DATE                  |  | TIME                         |  |
| 81 AH-81 1.5A BGS                                    |  | 81                                    |  | DATE                  |  | TIME                         |  |
| 82 AH-82 1.5A BGS                                    |  | 82                                    |  | DATE                  |  | TIME                         |  |
| 83 AH-83 1.5A BGS                                    |  | 83                                    |  | DATE                  |  | TIME                         |  |
| 84 AH-84 1.5A BGS                                    |  | 84                                    |  | DATE                  |  | TIME                         |  |
| 85 AH-85 1.5A BGS                                    |  | 85                                    |  | DATE                  |  | TIME                         |  |
| 86 AH-86 1.5A BGS                                    |  | 86                                    |  | DATE                  |  | TIME                         |  |
| 87 AH-87 1.5A BGS                                    |  | 87                                    |  | DATE                  |  | TIME                         |  |
| 88 AH-88 1.5A BGS                                    |  | 88                                    |  | DATE                  |  | TIME                         |  |
| 89 AH-89 1.5A BGS                                    |  | 89                                    |  | DATE                  |  | TIME                         |  |
| 90 AH-90 1.5A BGS                                    |  | 90                                    |  | DATE                  |  | TIME                         |  |
| 91 AH-91 1.5A BGS                                    |  | 91                                    |  | DATE                  |  | TIME                         |  |
| 92 AH-92 1.5A BGS                                    |  | 92                                    |  | DATE                  |  | TIME                         |  |
| 93 AH-93 1.5A BGS                                    |  | 93                                    |  | DATE                  |  | TIME                         |  |
| 94 AH-94 1.5A BGS                                    |  | 94                                    |  | DATE                  |  | TIME                         |  |
| 95 AH-95 1.5A BGS                                    |  | 95                                    |  | DATE                  |  | TIME                         |  |
| 96 AH-96 1.5A BGS                                    |  | 96                                    |  | DATE                  |  | TIME                         |  |
| 97 AH-97 1.5A BGS                                    |  | 97                                    |  | DATE                  |  | TIME                         |  |
| 98 AH-98 1.5A BGS                                    |  | 98                                    |  | DATE                  |  | TIME                         |  |
| 99 AH-99 1.5A BGS                                    |  | 99                                    |  | DATE                  |  | TIME                         |  |
| 100 AH-100 1.5A BGS                                  |  | 100                                   |  | DATE                  |  | TIME                         |  |
| 101 AH-101 1.5A BGS                                  |  | 101                                   |  | DATE                  |  | TIME                         |  |
| 102 AH-102 1.5A BGS                                  |  | 102                                   |  | DATE                  |  | TIME                         |  |
| 103 AH-103 1.5A BGS                                  |  | 103                                   |  | DATE                  |  | TIME                         |  |
| 104 AH-104 1.5A BGS                                  |  | 104                                   |  | DATE                  |  | TIME                         |  |
| 105 AH-105 1.5A BGS                                  |  | 105                                   |  | DATE                  |  | TIME                         |  |
| 106 AH-106 1.5A BGS                                  |  | 106                                   |  | DATE                  |  | TIME                         |  |
| 107 AH-107 1.5A BGS                                  |  | 107                                   |  | DATE                  |  | TIME                         |  |
| 108 AH-108 1.5A BGS                                  |  | 108                                   |  | DATE                  |  | TIME                         |  |
| 109 AH-109 1.5A BGS                                  |  | 109                                   |  | DATE                  |  | TIME                         |  |
| 110 AH-110 1.5A BGS                                  |  | 110                                   |  | DATE                  |  | TIME                         |  |
| 111 AH-111 1.5A BGS                                  |  | 111                                   |  | DATE                  |  | TIME                         |  |
| 112 AH-112 1.5A BGS                                  |  | 112                                   |  | DATE                  |  | TIME                         |  |
| 113 AH-113 1.5A BGS                                  |  | 113                                   |  | DATE                  |  | TIME                         |  |
| 114 AH-114 1.5A BGS                                  |  | 114                                   |  | DATE                  |  | TIME                         |  |
| 115 AH-115 1.5A BGS                                  |  | 115                                   |  | DATE                  |  | TIME                         |  |
| 116 AH-116 1.5A BGS                                  |  | 116                                   |  | DATE                  |  | TIME                         |  |
| 117 AH-117 1.5A BGS                                  |  | 117                                   |  | DATE                  |  | TIME                         |  |
| 118 AH-118 1.5A BGS                                  |  | 118                                   |  | DATE                  |  | TIME                         |  |
| 119 AH-119 1.5A BGS                                  |  | 119                                   |  | DATE                  |  | TIME                         |  |
| 120 AH-120 1.5A BGS                                  |  | 120                                   |  | DATE                  |  | TIME                         |  |
| 121 AH-121 1.5A BGS                                  |  | 121                                   |  | DATE                  |  | TIME                         |  |
| 122 AH-122 1.5A BGS                                  |  | 122                                   |  | DATE                  |  | TIME                         |  |
| 123 AH-123 1.5A BGS                                  |  | 123                                   |  | DATE                  |  | TIME                         |  |
| 124 AH-124 1.5A BGS                                  |  | 124                                   |  | DATE                  |  | TIME                         |  |
| 125 AH-125 1.5A BGS                                  |  | 125                                   |  | DATE                  |  | TIME                         |  |
| 126 AH-126 1.5A BGS                                  |  | 126                                   |  | DATE                  |  | TIME                         |  |
| 127 AH-127 1.5A BGS                                  |  | 127                                   |  | DATE                  |  | TIME                         |  |
| 128 AH-128 1.5A BGS                                  |  | 128                                   |  | DATE                  |  | TIME                         |  |
| 129 AH-129 1.5A BGS                                  |  | 129                                   |  | DATE                  |  | TIME                         |  |
| 130 AH-130 1.5A BGS                                  |  | 130                                   |  | DATE                  |  | TIME                         |  |
| 131 AH-131 1.5A BGS                                  |  | 131                                   |  | DATE                  |  | TIME                         |  |
| 132 AH-132 1.5A BGS                                  |  | 132                                   |  | DATE                  |  | TIME                         |  |
| 133 AH-133 1.5A BGS                                  |  | 133                                   |  | DATE                  |  | TIME                         |  |
| 134 AH-134 1.5A BGS                                  |  | 134                                   |  | DATE                  |  | TIME                         |  |
| 135 AH-135 1.5A BGS                                  |  | 135                                   |  | DATE                  |  | TIME                         |  |
| 136 AH-136 1.5A BGS                                  |  | 136                                   |  | DATE                  |  | TIME                         |  |
| 137 AH-137 1.5A BGS                                  |  | 137                                   |  | DATE                  |  | TIME                         |  |
| 138 AH-138 1.5A BGS                                  |  | 138                                   |  | DATE                  |  | TIME                         |  |
| 139 AH-139 1.5A BGS                                  |  | 139                                   |  | DATE                  |  | TIME                         |  |
| 140 AH-140 1.5A BGS                                  |  | 140                                   |  | DATE                  |  | TIME                         |  |
| 141 AH-141 1.5A BGS                                  |  | 141                                   |  | DATE                  |  | TIME                         |  |
| 142 AH-142 1.5A BGS                                  |  | 142                                   |  | DATE                  |  | TIME                         |  |
| 143 AH-143 1.5A BGS                                  |  | 143                                   |  | DATE                  |  | TIME                         |  |
| 144 AH-144 1.5A BGS                                  |  | 144                                   |  | DATE                  |  | TIME                         |  |
| 145 AH-145 1.5A BGS                                  |  | 145                                   |  | DATE                  |  | TIME                         |  |
| 146 AH-146 1.5A BGS                                  |  | 146                                   |  | DATE                  |  | TIME                         |  |
| 147 AH-147 1.5A BGS                                  |  | 147                                   |  | DATE                  |  | TIME                         |  |
| 148 AH-148 1.5A BGS                                  |  | 148                                   |  | DATE                  |  | TIME                         |  |
| 149 AH-149 1.5A BGS                                  |  | 149                                   |  | DATE                  |  | TIME                         |  |
| 150 AH-150 1.5A BGS                                  |  | 150                                   |  | DATE                  |  | TIME                         |  |
| 151 AH-151 1.5A BGS                                  |  | 151                                   |  | DATE                  |  | TIME                         |  |
| 152 AH-152 1.5A BGS                                  |  | 152                                   |  | DATE                  |  | TIME                         |  |
| 153 AH-153 1.5A BGS                                  |  | 153                                   |  | DATE                  |  | TIME                         |  |
| 154 AH-154 1.5A BGS                                  |  | 154                                   |  | DATE                  |  | TIME                         |  |
| 155 AH-155 1.5A BGS                                  |  | 155                                   |  | DATE                  |  | TIME                         |  |
| 156 AH-156 1.5A BGS                                  |  | 156                                   |  | DATE                  |  | TIME                         |  |
| 157 AH-157 1.5A BGS                                  |  | 157                                   |  | DATE                  |  | TIME                         |  |
| 158 AH-158 1.5A BGS                                  |  | 158                                   |  | DATE                  |  | TIME                         |  |
| 159 AH-159 1.5A BGS                                  |  | 159                                   |  | DATE                  |  | TIME                         |  |
| 160 AH-160 1.5A BGS                                  |  | 160                                   |  | DATE                  |  | TIME                         |  |
| 161 AH-161 1.5A BGS                                  |  | 161                                   |  | DATE                  |  | TIME                         |  |
| 162 AH-162 1.5A BGS                                  |  | 162                                   |  | DATE                  |  | TIME                         |  |
| 163 AH-163 1.5A BGS                                  |  | 163                                   |  | DATE                  |  | TIME                         |  |
| 164 AH-164 1.5A BGS                                  |  | 164                                   |  | DATE                  |  | TIME                         |  |
| 165 AH-165 1.5A BGS                                  |  | 165                                   |  | DATE                  |  | TIME                         |  |
| 166 AH-166 1.5A BGS                                  |  | 166                                   |  | DATE                  |  | TIME                         |  |
| 167 AH-167 1.5A BGS                                  |  | 167                                   |  | DATE                  |  | TIME                         |  |
| 168 AH-168 1.5A BGS                                  |  | 168                                   |  | DATE                  |  | TIME                         |  |
| 169 AH-169 1.5A BGS                                  |  | 169                                   |  | DATE                  |  | TIME                         |  |
| 170 AH-170 1.5A BGS                                  |  | 170                                   |  | DATE                  |  | TIME                         |  |
| 171 AH-171 1.5A BGS                                  |  | 171                                   |  | DATE                  |  | TIME                         |  |
| 172 AH-172 1.5A BGS                                  |  | 172                                   |  | DATE                  |  | TIME                         |  |
| 173 AH-173 1.5A BGS                                  |  | 173                                   |  | DATE                  |  | TIME                         |  |
| 174 AH-174 1.5A BGS                                  |  | 174                                   |  | DATE                  |  | TIME                         |  |
| 175 AH-175 1.5A BGS                                  |  | 175                                   |  | DATE                  |  | TIME                         |  |
| 176 AH-176 1.5A BGS                                  |  | 176                                   |  | DATE                  |  | TIME                         |  |
| 177 AH-177 1.5A BGS                                  |  | 177                                   |  | DATE                  |  | TIME                         |  |
| 178 AH-178 1.5A BGS                                  |  | 178                                   |  | DATE                  |  | TIME                         |  |
| 179 AH-179 1.5A BGS                                  |  | 179                                   |  | DATE                  |  | TIME                         |  |
| 180 AH-180 1.5A BGS                                  |  | 180                                   |  | DATE                  |  | TIME                         |  |
| 181 AH-181 1.5A BGS                                  |  | 181                                   |  | DATE                  |  | TIME                         |  |
| 182 AH-182 1.5A BGS                                  |  | 182                                   |  | DATE                  |  | TIME                         |  |
| 183 AH-183 1.5A BGS                                  |  | 183                                   |  | DATE                  |  | TIME                         |  |
| 184 AH-184 1.5A BGS                                  |  | 184                                   |  | DATE                  |  | TIME                         |  |
| 185 AH-185 1.5A BGS                                  |  | 185                                   |  | DATE                  |  | TIME                         |  |
| 186 AH-186 1.5A BGS                                  |  | 186                                   |  | DATE                  |  | TIME                         |  |
| 187 AH-187 1.5A BGS                                  |  | 187                                   |  | DATE                  |  | TIME                         |  |
| 188 AH-188 1.5A BGS                                  |  | 188                                   |  | DATE                  |  | TIME                         |  |
| 189 AH-189 1.5A BGS                                  |  | 189                                   |  | DATE                  |  | TIME                         |  |
| 190 AH-190 1.5A BGS                                  |  | 190                                   |  | DATE                  |  | TIME                         |  |
| 191 AH-191 1.5A BGS                                  |  | 191                                   |  | DATE                  |  | TIME                         |  |
| 192 AH-192 1.5A BGS                                  |  | 192                                   |  | DATE                  |  | TIME                         |  |
| 193 AH-193 1.5A BGS                                  |  | 193                                   |  | DATE                  |  | TIME                         |  |
| 194 AH-194 1.5A BGS                                  |  | 194                                   |  | DATE                  |  | TIME                         |  |
| 195 AH-195 1.5A BGS                                  |  | 195                                   |  | DATE                  |  | TIME                         |  |
| 196 AH-196 1.5A BGS                                  |  | 196                                   |  | DATE                  |  | TIME                         |  |
| 197 AH-197 1.5A BGS                                  |  | 197                                   |  | DATE                  |  | TIME                         |  |
| 198 AH-198 1.5A BGS                                  |  | 198                                   |  | DATE                  |  | TIME                         |  |
| 199 AH-199 1.5A BGS                                  |  | 199                                   |  | DATE                  |  | TIME                         |  |
| 200 AH-200 1.5A BGS                                  |  | 200                                   |  | DATE                  |  | TIME                         |  |
| 201 AH-201 1.5A BGS                                  |  | 201                                   |  | DATE                  |  | TIME                         |  |
| 202 AH-202 1.5A BGS                                  |  | 202                                   |  | DATE                  |  | TIME                         |  |
| 203 AH-203 1.5A BGS                                  |  | 203                                   |  | DATE                  |  | TIME                         |  |
| 204 AH-204 1.5A BGS                                  |  | 204                                   |  | DATE                  |  | TIME                         |  |
| 205 AH-205 1.5A BGS                                  |  | 205                                   |  | DATE                  |  | TIME                         |  |
| 206 AH-206 1.5A BGS                                  |  | 206                                   |  | DATE                  |  | TIME                         |  |
| 207 AH-207 1.5A BGS                                  |  | 207                                   |  | DATE                  |  | TIME                         |  |
| 208 AH-208 1.5A BGS                                  |  | 208                                   |  | DATE                  |  | TIME                         |  |
| 209 AH-209 1.5A BGS                                  |  | 209                                   |  | DATE                  |  | TIME                         |  |
| 210 AH-210 1.5A BGS                                  |  | 210                                   |  | DATE                  |  | TIME                         |  |
| 211 AH-211 1.5A BGS                                  |  | 211                                   |  | DATE                  |  | TIME                         |  |
| 212 AH-212 1.5A BGS                                  |  | 212                                   |  | DATE                  |  | TIME                         |  |
| 213 AH-213 1.5A BGS                                  |  | 213                                   |  | DATE                  |  | TIME                         |  |
| 214  |  |                                       |  |                       |  |                              |  |

## **Appendix B**

### **C-141**



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

|                 |                                       |                      |                 |
|-----------------|---------------------------------------|----------------------|-----------------|
| Name of Company | Oxy Permian Ltd.                      | Contact              | Austin Trammell |
| Address         | 1017 W. Stanolind Rd, Hobbs, NM 88240 | Telephone No.        | (575) 499-4919  |
| Facility Name   | West Dollarhide Devonian Unit #121    | Facility Type        | Well location   |
| Surface Owner   | Mineral Owner                         | API No. 30-025-28771 |                 |

#### LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| C           | 33      | 24S      | 38E   | 1285          | North            | 1650          | West           | Lea    |

Latitude N 32.17727° Longitude W 103.06815°

#### NATURE OF RELEASE

|  |   |   |                                      |                                   |                                      |
|--|---|---|--------------------------------------|-----------------------------------|--------------------------------------|
| Type of Release  | Oil and Produced water  | Volume of Release                         | 5 bbls oil,<br>5 bbls produced water | Volume Recovered                  | 3 bbls oil,<br>3 bbls produced water |
| Source of Release  | Tank spilled over   | 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?                          | Geoffrey Leking-NMOCD                |                                   |                                      |
| By Whom?   | Austin Trammell   | Date and Hour                             | 01/09/2014 @ 10:54 am                |                                   |                                      |
| 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.*  |   |   |                                      |                                   |                                      |
| A tank spilled over and leak 5 bbls of oil and 5 bbls of produced water onto the ground. 3 bbls of oil and 3 bbls of produced water were recovered via vacuum truck and the cause of the tank spill was corrected.   |   |   |                                      |                                   |                                      |
| Describe Area Affected and Cleanup Action Taken.*  |   |   |                                      |                                   |                                      |
| The affected area is approximately 10' x 30' on location. Remediation will be completed in accordance with an approved remediation plan from NMOCD.  |   |   |                                      |                                   |                                      |
| 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:    |   | <b>OIL CONSERVATION DIVISION</b>          |                                      |                                   |                                      |
| Printed Name: Austin Trammell  |   | Approved by Environmental Specialist:     |                                      |                                   |                                      |
| Title: HES Coordinator   |   | Approval Date:                            |                                      | Expiration Date:                  |                                      |
| E-mail Address: Austin.Trammell@oxy.com  |   | Conditions of Approval:                   |                                      | Attached <input type="checkbox"/> |                                      |
| Date: _____ Phone: (575) 499-4919  |   |   |                                      |                                   |                                      |

\* Attach Additional Sheets If Necessary

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
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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 August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

|   |                            |
|---|----------------------------|
| Name of Company: Oxy USA Inc.                     | Contact: Austin Trammell   |
| Address: 1017 W Stanolind Road                    | Telephone No. 575-499-4919 |
| Facility Name: West Dollahide Devonian Unit # 121 | Facility Type: Gathering   |
| Surface Owner:                                    | Mineral Owner              |
| API No. 30-025-28771                              |                            |

**LOCATION OF RELEASE**

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| C           | 33      | 24S      | 38E   | 1285'         | N                | 1650'         | W              | Lea    |

Latitude 32.17727 Longitude -103.06815

**NATURE OF RELEASE**

|  |  |  |
|--|--|--|
| Type of Release: Oil and Produced Water  | Volume of Release: 5 BBLs Oil<br>5 bbls Produced Water | Volume Recovered: 3 BBLs Oil,<br>3 bbls Produced Water |
| Source of Release: Tank spilled over   | Date and Hour of Occurrence:<br>01/08/2014             | Date and Hour of Discovery:                            |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>Geoff Leking NMOCD                 |  |
| By Whom? Austin Trammell   | Date and Hour: 01/09/2014 @ 10:54 AM                   |  |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse.              |  |

If a Watercourse was Impacted, Describe Fully.\*

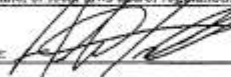
Describe Cause of Problem and Remedial Action Taken.\*

A tank spilled over and leak 5 bbls of oil and 5 bbls of produced water onto the ground. 3 bbls of oil and 3 bbls of produced water were recovered via vacuum truck and the cause of the tank spill was corrected.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 10' x 30' on location. Remediation has been completed in accordance with the approved remediation plan from the NMOCD

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:  | <b>OIL CONSERVATION DIVISION</b>      |                                   |
| Printed Name: Austin Trammell  | Approved by Environmental Specialist: |                                   |
| Title: HES Specialist  | Approval Date:                        | Expiration Date:                  |
| E-mail Address: Austin_trammell@oxy.com  | Conditions of Approval:               | Attached <input type="checkbox"/> |
| Date: 12/2/2014 Phone: 575-499-4919  |                                       |                                   |

\* Attach Additional Sheets If Necessary

Final C-141

## **Appendix C**

### **Site Photographs**



Looking south from leak following removal of stained surficial soil



Soil staining remaining near leak location





Looking northeast from lease road. Leak was from rear pipe



Looking north toward leak release point



Clamp on pipe which leaked