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**OXY USA, Inc.
West Dollarhide Devonian Unit #101
Closure**

**Section 33, T24S, R38E
Lea County, New Mexico
June 01, 2015**

APPROVED

By OCD; Dr. Oberding at 11:22 am, Jun 04, 2015



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**

TABLE OF CONTENTS

| | |
|--------------------------------------------|----------|
| I. Company Contacts | 3 |
| II. Background | 3 |
| III. Surface and Ground Water | 3 |
| IV. Characterization | 3 |
| V. Work Performed | 3 |
| VI. Action Plan | 5 |
| Figure 1 – Vicinity Map | 8 |
| Figure 2 – Site Plan | 10 |
| Figure 3 – Lined Areas..... | 12 |
| Appendix A – Groundwater Study..... | 14 |
| Appendix B – Analytical Results | 16 |
| Appendix C – Site Photographs..... | 10 |
| Appendix D – C-141..... | 24 |

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 and cleanup a release area at the West Dollarhide Devonian Unit #101 located in Section 33 of Township 24 South, Range 38 East, Lea County, New Mexico.

According to the C-141 dated January 9, 2014 the cause of release was a tank spilling over. The release was approximately 5 bbls of crude oil and 5 bbls of produced water. Approximately 3 bbls of crude oil and 3bbls of produced water were recovered.

III. Surface and Ground Water

The nearest groundwater of record is approximately 8.0 miles Northwest 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 1000 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

BBC International Inc. was onsite to determine vertical extent of contamination. Samples were taken at site SP1 at the surface and at a depth of 1', 2', 3', 4' 6', 8', 10' and 12'. Samples were taken at site SP2 were taken at 1', 2', 4', 6', 8', 10' and 12'. 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⁻) (Method SM4500Cl-B). The results of the analysis are presented in the table below:

Laboratory Analytical Results Summary
West Dollarhide Devonian Unit 101

| Analyte | Method | Sample Date | SP1 @ SURFACE | SP1 @ 1' | SP1 @ 2' | SP1 @ 3' | SP1 @ 4' | SP1 @ 6' | SP1 @ 8' | SP1 @ 10' | SP1 @ 12' |
|---------------|------------|----------------|------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| | | | 12/12/13 | 12/12/13 | 12/12/13 | 12/12/13 | 1/22/14 | 1/22/14 | 1/22/14 | 1/22/14 | 1/22/14 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Chloride | SM4500Cl-B | | 1010 | 496 | 1840 | 1800 | 3560 | 4800 | 4720 | 6480 | 2200 |
| GRO | TPH 8015M | | <10.0 | <10.0 | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| DRO | TPH 8015M | | 288 | <10.0 | n/a | n/a | n/a | n/a | n/a | n/a | n/a |

| Analyte | Method | Sample Date | SP2 @ SURFACE | SP2 @ 1' | SP2 @ 2' | SP2 @ 4' | SP2 @ 6' | SP2 @ 8' | SP2 @ 10' | SP2 @ 12' |
|---------------|------------|----------------|------------------|----------|----------|----------|----------|----------|-----------|-----------|
| | | | 12/12/13 | 12/12/13 | 12/12/13 | 1/22/14 | 1/22/14 | 1/22/14 | 1/22/14 | 1/22/14 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | n/a | n/a | n/a | n/a | n/a | n/a |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | n/a | n/a | n/a | n/a | n/a | n/a |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | n/a | n/a | n/a | n/a | n/a | n/a |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | n/a | n/a | n/a | n/a | n/a | n/a |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | n/a | n/a | n/a | n/a | n/a | n/a |
| Chloride | SM4500Cl-B | | 1120 | 1150 | 1840 | 4080 | 4640 | 3920 | 5600 | 2600 |
| GRO | TPH 8015M | | <50.0 | <50.0 | n/a | n/a | n/a | n/a | n/a | n/a |
| DRO | TPH 8015M | | 613 | 551 | n/a | n/a | n/a | n/a | n/a | n/a |

The sample results indicate that the chloride concentration at 12' BGS is still between 2200ppm and 2600ppm.

On March 20, 2014, BBC International Inc. was onsite to determine vertical extent of contamination using a coring rig. A bore hole was advanced to a depth of 55' BGS with samples taken at 15', 25', 25', 45' and 55'. All samples were properly packaged, preserved and transported to the Laboratory, Hobbs New Mexico and analyzed for Chloride (Cl⁻) (Method SM4500Cl-B). The results of the analysis are presented in the table below:

Laboratory Analytical Results Summary
West Dollarhide Devonian Unit #101

| Analyte | Method | Sample Date | SB1 @ 15' | SB1 @ 25' | SB1 @ 35' | SB1 @ 45' | SB1 @ 55' |
|----------|------------|----------------|-----------|-----------|-----------|-----------|-----------|
| | | | 3/20/14 | 3/20/14 | 3/20/14 | 3/20/14 | 3/20/14 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Chloride | SM4500Cl-B | | 3280 | 704 | 816 | 464 | 128 |

The sample results indicate that the vertical extent of contamination was determined to be between 45' & 55'.

On September 24, 2014 SESI submitted a Delineation Report and Work plan to the NMOCD and BLM regulatory authorities. The following was the proposed plan of action:

VI. Action Plan

Due to the results listed above and the fact that this is an active location, the following action plan is proposed:

1. Excavate areas around NW SP-4, SW SP-2, NE SP-2 and SE SP-3 to the depth where the chloride concentrations are in the 500PPM range. Contaminated soil transported to an approved NMOCD facility for disposal. In the event that these areas do not reach the target of 500 PPM within 2' an impermeable liner will be installed in just that area. Otherwise, no liner was to be installed for this site.
2. The excavated area will be backfilled with caliche and returned to grade.

VII. Conclusion

On February 20, 2015 excavation began on the site. The site was excavated to a depth of approximately 2' bgs. On March 4, 2015 SESI collected 14 field samples, (refer to photo below for sample points). The results of the field samples are presented in the table below:

| Northwest | | Southwest | | Northeast | | Southeast | |
|-----------|--------|-----------|---------|-----------|--------|-----------|--------|
| SP-1 | 152PPM | SP-1 | 532PPM | SP-1 | 204PPM | SP-1 | 204PPM |
| SP-2 | 580PPM | SP-2 | 2444PPM | SP-2 | 864PPM | SP-2 | 404PPM |
| SP-3 | 532PPM | SP-3 | 204PPM | SP-3 | 204PPM | SP-3 | 864PPM |
| Sp-4 | 740PPM | Sp-4 | 364PPM | | | | |

On March 12, 2015 excavation activities were completed. SESI personnel retrieved representative soil samples of exaction sidewalls. These samples were field tested for Chloride in accordance with method SM4500Cl-B, preserved and taken to a commercial laboratory for confirmation of the analyses. The following is a recap of those results:

| North Wall | East Wall | West Wall | South Wall | Bottom |
|---------------|---------------|---------------|---------------|----------------|
| SW-SP2 304PPM | SW-SP2 144PPM | SE-SP3 480PPM | NW-SP4 160PPM | SW-SP2 1920PPM |
| SE-SP3 160PPM | NE-SP2 384PPM | NW-SP4 512PPM | NE-SP2 400PPM | NW-SP4 752PPM |
| NW-SP4 240PPM | | | | SE-SP3 1620PPM |
| NE-SP2 384PPM | | | | NE-SP2 752PPM |

Based on the above analyses: it was determined and agreed upon by the regulatory authorities that a 20 mil. Liner would be placed in the bottom of the excavated area at the following sample point positions: SW-SP2, SE-SP3, NE-SP2, and NW-SP4 respectively (Figure 3). The lined area was backfilled and returned to grade. All impacted soils were removed to an NMOCD approved facility. No further action is required. SESI on behalf of OXY Permian Ltd., respectfully requests regulatory closure of the incident associated with this location.

VII. Figures & Appendices

Figure 1 – Vicinity Map

Figure 2 – Site Plan

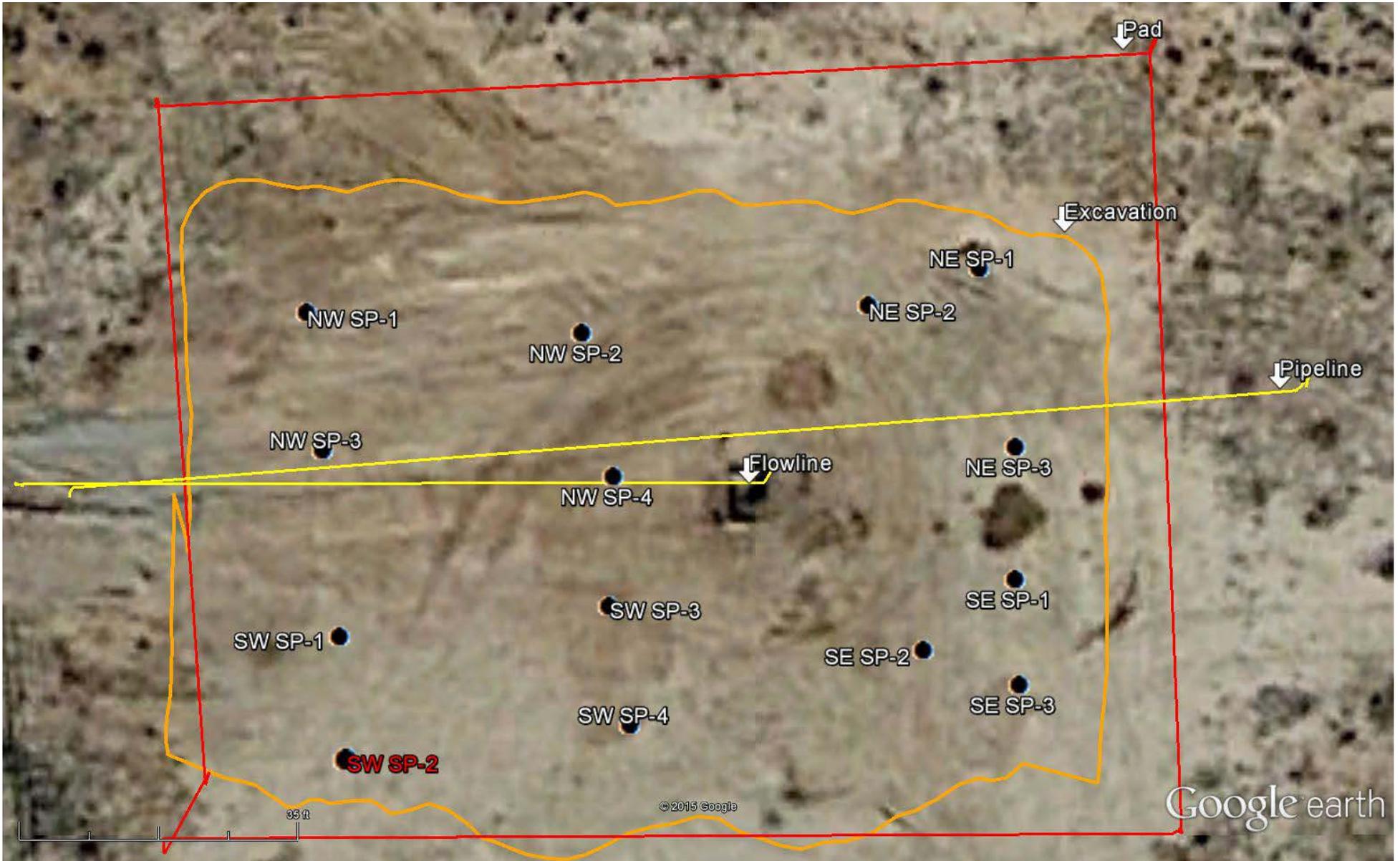
Figure 3 – Lined Areas

Appendix A – Groundwater

Appendix B – Analytical

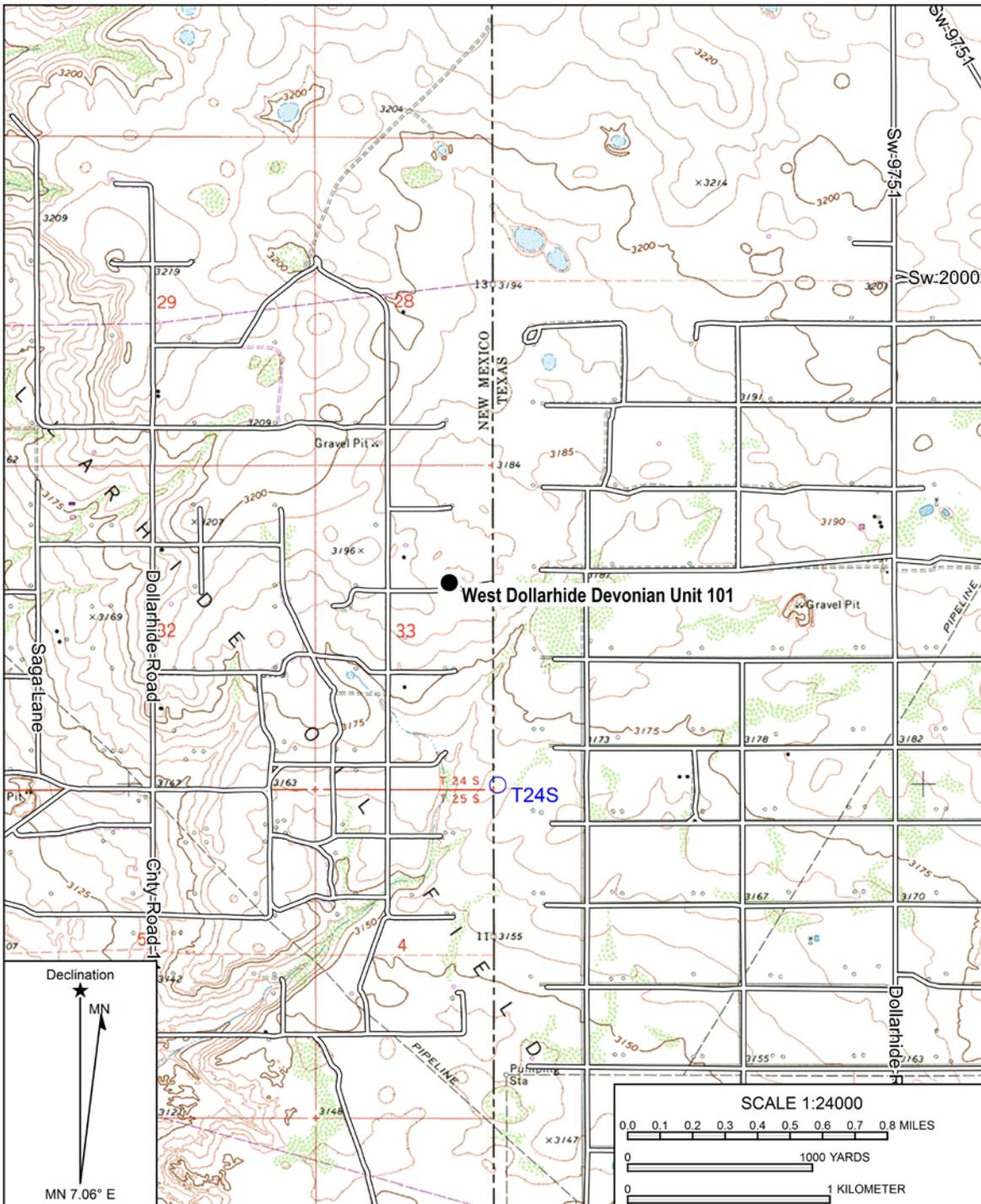
Appendix C – Photograph Documentation

Appendix D – C-141



West Dollarhide Devonian Unit 101

Figure 1
Vicinity Map



Name: JAL NE
 Date: 09/16/14
 Scale: 1 inch = 2,000 ft.

Location: 032.1747577° N, 103.0645567° W
 Caption: West Dollarhide Devonian Unit 101

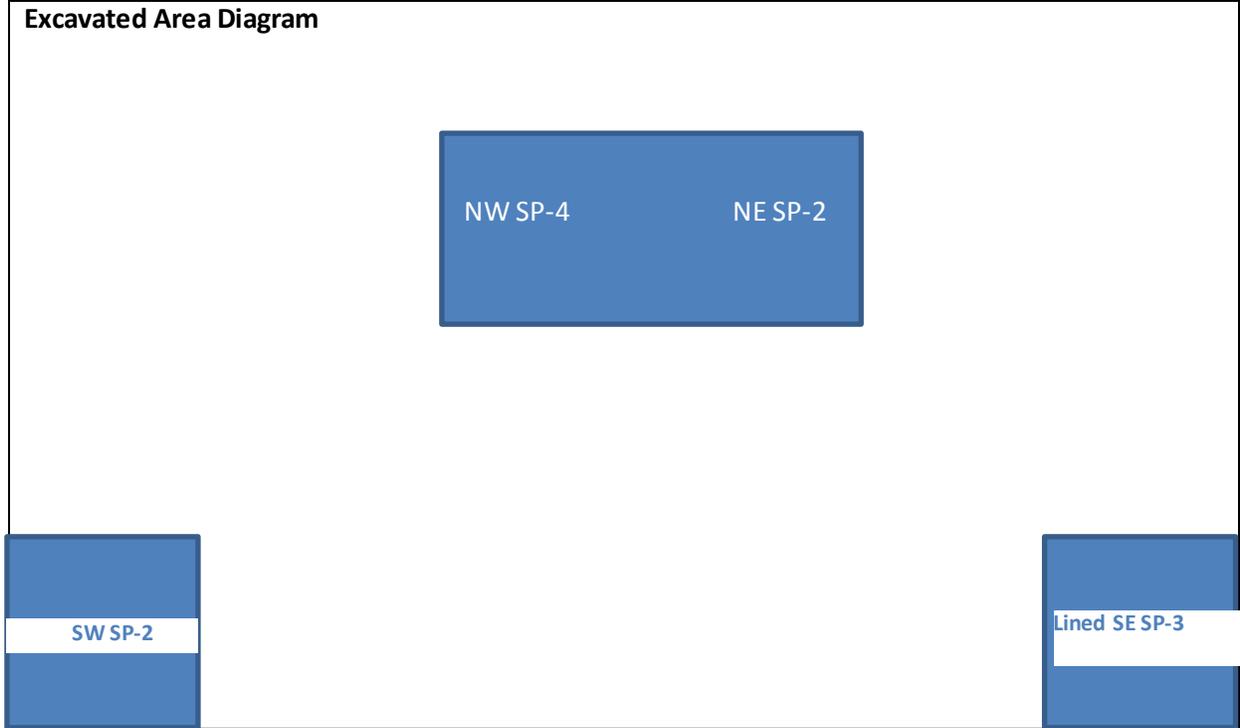
Figure 2
Site Plan



West Dollarhide Devonian Unit 101

Figure 3
Lined Areas

N



*LINED AREAS DENOTED IN BLUE

Appendix A

Groundwater Study



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters) (In feet)

| POD Number | POD Sub-Code | basin | County | Q Q Q | | | | X | Y | Depth Well | Depth Water | Water Column |
|--------------------|--------------|-------|--------|-------|----|-----|-----|--------|----------|------------|-------------|--------------|
| | | | | 64 | 16 | 4 | Sec | | | | | |
| CP 00455 | | | LE | 1 | 20 | 25S | 38E | 680497 | 3555267* | 100 | 75 | 25 |
| CP 00455 CLW473406 | O | | LE | 1 | 20 | 25S | 38E | 680497 | 3555267* | 115 | 80 | 35 |
| CP 00458 | | | LE | 1 | 20 | 25S | 38E | 680497 | 3555267* | 115 | 80 | 35 |

Average Depth to Water: **78 feet**
 Minimum Depth: **75 feet**
 Maximum Depth: **80 feet**

Record Count: 3

PLSS Search:

Section(s): 20

Township: 25S

Range: 38E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Appendix B Analytical Results

December 19, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WEST DOLLARHIDE

Enclosed are the results of analyses for samples received by the laboratory on 12/13/13 11:08.

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.

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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|-----------------|---------------------|----------------|
| Received: | 12/13/2013 | Sampling Date: | 12/12/2013 |
| Reported: | 12/19/2013 | Sampling Type: | Soil |
| Project Name: | WEST DOLLARHIDE | Sampling Condition: | ** (See Notes) |
| Project Number: | NONE GIVEN | Sample Received By: | Kathy Perez |
| Project Location: | JAL | | |

Sample ID: SP1 @ SURFACE (H303017-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/18/2013 | ND | 1.90 | 95.2 | 2.00 | 2.21 | |
| Toluene* | <0.050 | 0.050 | 12/18/2013 | ND | 1.90 | 95.0 | 2.00 | 2.67 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/18/2013 | ND | 1.88 | 93.8 | 2.00 | 4.04 | |
| Total Xylenes* | <0.150 | 0.150 | 12/18/2013 | ND | 5.50 | 91.7 | 6.00 | 3.57 | |
| Total BTEX | <0.300 | 0.300 | 12/18/2013 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1010 | 16.0 | 12/18/2013 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 12/18/2013 | ND | 206 | 103 | 200 | 6.55 | |
| DRO >C10-C28 | 288 | 10.0 | 12/18/2013 | ND | 206 | 103 | 200 | 7.48 | |

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 128 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|-----------------|---------------------|----------------|
| Received: | 12/13/2013 | Sampling Date: | 12/12/2013 |
| Reported: | 12/19/2013 | Sampling Type: | Soil |
| Project Name: | WEST DOLLARHIDE | Sampling Condition: | ** (See Notes) |
| Project Number: | NONE GIVEN | Sample Received By: | Kathy Perez |
| Project Location: | JAL | | |

Sample ID: SP1 @ 1 FT (H303017-02)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/18/2013 | ND | 1.90 | 95.2 | 2.00 | 2.21 | |
| Toluene* | <0.050 | 0.050 | 12/18/2013 | ND | 1.90 | 95.0 | 2.00 | 2.67 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/18/2013 | ND | 1.88 | 93.8 | 2.00 | 4.04 | |
| Total Xylenes* | <0.150 | 0.150 | 12/18/2013 | ND | 5.50 | 91.7 | 6.00 | 3.57 | |
| Total BTEX | <0.300 | 0.300 | 12/18/2013 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 89.4-126

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 496 | 16.0 | 12/18/2013 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 12/18/2013 | ND | 206 | 103 | 200 | 6.55 | |
| DRO >C10-C28 | <10.0 | 10.0 | 12/18/2013 | ND | 206 | 103 | 200 | 7.48 | |

Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

Sample ID: SP1 @ 2 FT (H303017-03)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1840 | 16.0 | 12/18/2013 | ND | 416 | 104 | 400 | 3.92 | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|-----------------|---------------------|----------------|
| Received: | 12/13/2013 | Sampling Date: | 12/12/2013 |
| Reported: | 12/19/2013 | Sampling Type: | Soil |
| Project Name: | WEST DOLLARHIDE | Sampling Condition: | ** (See Notes) |
| Project Number: | NONE GIVEN | Sample Received By: | Kathy Perez |
| Project Location: | JAL | | |

Sample ID: SP1 @ 3 FT (H303017-04)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1800 | 16.0 | 12/18/2013 | ND | 416 | 104 | 400 | 3.92 | |

Sample ID: SP2 @ SURFACE (H303017-05)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/18/2013 | ND | 1.90 | 95.2 | 2.00 | 2.21 | |
| Toluene* | <0.050 | 0.050 | 12/18/2013 | ND | 1.90 | 95.0 | 2.00 | 2.67 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/18/2013 | ND | 1.88 | 93.8 | 2.00 | 4.04 | |
| Total Xylenes* | <0.150 | 0.150 | 12/18/2013 | ND | 5.50 | 91.7 | 6.00 | 3.57 | |
| Total BTEX | <0.300 | 0.300 | 12/18/2013 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 89.4-126

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1120 | 16.0 | 12/18/2013 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <50.0 | 50.0 | 12/18/2013 | ND | 206 | 103 | 200 | 6.55 | |
| DRO >C10-C28 | 613 | 50.0 | 12/18/2013 | ND | 206 | 103 | 200 | 7.48 | |

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 122 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|-----------------|---------------------|----------------|
| Received: | 12/13/2013 | Sampling Date: | 12/12/2013 |
| Reported: | 12/19/2013 | Sampling Type: | Soil |
| Project Name: | WEST DOLLARHIDE | Sampling Condition: | ** (See Notes) |
| Project Number: | NONE GIVEN | Sample Received By: | Kathy Perez |
| Project Location: | JAL | | |

Sample ID: SP2 @ 1FT (H303017-06)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/18/2013 | ND | 1.90 | 95.2 | 2.00 | 2.21 | |
| Toluene* | <0.050 | 0.050 | 12/18/2013 | ND | 1.90 | 95.0 | 2.00 | 2.67 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/18/2013 | ND | 1.88 | 93.8 | 2.00 | 4.04 | |
| Total Xylenes* | <0.150 | 0.150 | 12/18/2013 | ND | 5.50 | 91.7 | 6.00 | 3.57 | |
| Total BTEX | <0.300 | 0.300 | 12/18/2013 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 89.4-126

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1150 | 16.0 | 12/18/2013 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <50.0 | 50.0 | 12/18/2013 | ND | 206 | 103 | 200 | 6.55 | |
| DRO >C10-C28 | 551 | 50.0 | 12/18/2013 | ND | 206 | 103 | 200 | 7.48 | |

Surrogate: 1-Chlorooctane 117 % 65.2-140

Surrogate: 1-Chlorooctadecane 129 % 63.6-154

Sample ID: SP2 @ 2FT (H303017-07)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1840 | 16.0 | 12/18/2013 | ND | 416 | 104 | 400 | 3.92 | |

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 |



Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES
 101 East Marland, Hobbs, NM 88240
 (505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. **BILL TO** ANALYSIS REQUEST

Project Manager: Cliff Brunson P.O. #: Company:

Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241

Phone #: 575-397-6388 Fax #: 575-397-0397 Attn: Address:

Project #: Project Owner: *DAV* City: State: Zip: *SMURRE*

Project Name: *West Belter High* Project Location: *Tal* State: Zip:

Sampler Name: *Geary Hwy* Phone #: Fax #:

FOR LAB USE ONLY

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | PRESERV. | SAMPLING | DATE | TIME | TPH | B-TPH | CL- |
|----------|---------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|----------|----------|-------|------|-----|-------|-----|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | | | |
| H303017 | SP1 @ surface | | 6 | X | | X | | | | | 8-8-13 | 10:15 | X | | | |
| | SP2 @ 1ft | | 6 | X | | X | | | | | 8-8-13 | 10:58 | X | | | |
| | SP2 @ 2ft | | 6 | X | | X | | | | | 8-8-13 | 11:00 | X | | | |
| | SP2 @ 3ft | | 6 | X | | X | | | | | 8-8-13 | 11:30 | X | | | |
| | SP2 @ surface | | 6 | X | | X | | | | | 8-8-13 | 1:15 | X | | | |
| | SP2 @ 1ft | | 6 | X | | X | | | | | 8-8-13 | 1:49 | X | | | |
| | SP2 @ 2ft | | 6 | X | | X | | | | | 8-8-13 | 2:05 | X | | | |

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Relinquished By: *[Signature]* Date: 12-13-13 Received By: *[Signature]* Date: 12/13/13
 Time: 11:00 am

Delivered By: (Circle One) *UPS* Sample Condition: Cool Intact Yes No

Sampler - UPS - Bus - Other: *6.4%* Checked By: *[Signature]* (Initials) *RP*

REMARKS: *#54*



January 30, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WEST DOLLARHIDE 101

Enclosed are the results of analyses for samples received by the laboratory on 01/24/14 8:15.

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.

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,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|---------------------|---------------------|---------------|
| Received: | 01/24/2014 | Sampling Date: | 01/22/2014 |
| Reported: | 01/30/2014 | Sampling Type: | Soil |
| Project Name: | WEST DOLLARHIDE 101 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | JAL | | |

Sample ID: SP 1 @ 4' (H400231-01)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3560 | 16.0 | 01/29/2014 | ND | 416 | 104 | 400 | 3.92 | |

Sample ID: SP 1 @ 6' (H400231-02)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4800 | 16.0 | 01/29/2014 | ND | 416 | 104 | 400 | 3.92 | |

Sample ID: SP 1 @ 8' (H400231-03)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4720 | 16.0 | 01/29/2014 | ND | 416 | 104 | 400 | 3.92 | |

Sample ID: SP 1 @ 10' (H400231-04)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6480 | 16.0 | 01/29/2014 | ND | 416 | 104 | 400 | 3.92 | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|---------------------|---------------------|---------------|
| Received: | 01/24/2014 | Sampling Date: | 01/22/2014 |
| Reported: | 01/30/2014 | Sampling Type: | Soil |
| Project Name: | WEST DOLLARHIDE 101 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | JAL | | |

Sample ID: SP 1 @ 12' (H400231-05)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2200 | 16.0 | 01/29/2014 | ND | 416 | 104 | 400 | 3.92 | |

Sample ID: SP 2 @ 4' (H400231-06)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4080 | 16.0 | 01/29/2014 | ND | 416 | 104 | 400 | 3.92 | |

Sample ID: SP 2 @ 6' (H400231-07)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4640 | 16.0 | 01/29/2014 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: SP 2 @ 8' (H400231-08)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3920 | 16.0 | 01/29/2014 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: SP 2 @ 10' (H400231-09)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5600 | 16.0 | 01/29/2014 | ND | 416 | 104 | 400 | 0.00 | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|---------------------|---------------------|---------------|
| Received: | 01/24/2014 | Sampling Date: | 01/22/2014 |
| Reported: | 01/30/2014 | Sampling Type: | Soil |
| Project Name: | WEST DOLLARHIDE 101 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | JAL | | |

Sample ID: SP 2 @ 12' (H400231-10)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2600 | 16.0 | 01/29/2014 | ND | 416 | 104 | 400 | 0.00 | |

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*=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



Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES
 101 East Marland, Hobbs, NM 88240
 (505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

1411

Company Name: **BBC International, Inc.** P.O. # _____

Project Manager: **Cliff Brunson** Company: _____

Address: **P.O. Box 805** Attn: _____

City: **Hobbs** State: **NM** Zip: **88241**

Phone #: **575-397-6388** Fax #: **575-397-0397** Address: **SAM**

Project #: _____ City: _____

Project Name: **WEST DOLLARIDE 1012** State: _____ Zip: _____

Project Location: _____ Phone #: _____

Sampler Name: **ROGER HEDRULZ** Fax #: _____

FOR LAB USE ONLY

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP | # CONTAINERS | MATRIX | | | | | | DATE | TIME | | | | | | | |
|----------|-------------|------------------|--------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------|------|--|--|--|--|--|--|--|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | | | | | | | | | |
| 1 | SPI @ 4' | | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1-22-14 | 815 | | | | | | | |
| 2 | @ 6' | | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1-22-14 | 838 | | | | | | | |
| 3 | @ 8' | | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1-21-14 | 859 | | | | | | | |
| 4 | @ 10' | | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1-22-14 | 920 | | | | | | | |
| 5 | @ 12' | | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1-22-14 | 951 | | | | | | | |
| 6 | SPT @ 4' | | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1-22-14 | 1071 | | | | | | | |
| 7 | @ 8' | | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1-22-14 | 1049 | | | | | | | |
| 8 | @ 10' | | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1-22-14 | 1109 | | | | | | | |
| 9 | @ 12' | | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1-22-14 | 1157 | | | | | | | |
| 12 | @ 12' | | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1-22-14 | 1219 | | | | | | | |

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Relinquished By: _____ Date: **1-21-14** Received By: **Wade Newman**

Time: **8:05**

Delivered By: (Circle One) **UPS** Sample Condition: Intact Cool Yes No

Sampler - UPS - Bus - Other: **3.6c** CHECKED BY: **[Signature]**

REMARKS: _____

Phone Result: Yes No Add'l Phone #: _____

Fax Result: Yes No Add'l Fax #: _____

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#54



April 01, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WEST DOLLARHIDE DU #101

Enclosed are the results of analyses for samples received by the laboratory on 03/24/14 16:30.

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.

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,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|-------------------------|---------------------|---------------|
| Received: | 03/24/2014 | Sampling Date: | 03/20/2014 |
| Reported: | 04/01/2014 | Sampling Type: | Soil |
| Project Name: | WEST DOLLARHIDE DU #101 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | LEA COUNTY, NM | | |

Sample ID: SB 1 @ 15' (H400869-01)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3280 | 16.0 | 03/26/2014 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SB 1 @ 25' (H400869-02)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 704 | 16.0 | 03/26/2014 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: SB 1 @ 35' (H400869-03)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 816 | 16.0 | 03/26/2014 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: SB 1 @ 45' (H400869-04)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 464 | 16.0 | 03/26/2014 | ND | 416 | 104 | 400 | 0.00 | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|-------------------------|---------------------|---------------|
| Received: | 03/24/2014 | Sampling Date: | 03/20/2014 |
| Reported: | 04/01/2014 | Sampling Type: | Soil |
| Project Name: | WEST DOLLARHIDE DU #101 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | LEA COUNTY, NM | | |

Sample ID: SB 1 @ 55' (H400869-05)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 03/26/2014 | ND | 416 | 104 | 400 | 0.00 | |

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



Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES
 101 East Marland, Hobbs, NM 88240
 (505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

104

Company Name: BBC International, Inc.

BILL TO

ANALYSIS REQUEST

Project Manager: Cliff Brunson

P.O. #:

Address: P.O. Box 805

Company:

City: Hobbs

State: NM Zip: 88241

Attn:

Phone #: 575-397-6388

Fax #: 575-397-0397

Address:

Project #:

Project Owner: Oxy

City:

Project Name: West Dollarhide Devonian Unit #101

State: Zip:

Project Location: Lea County, NM

Phone #:

Sampler Name: Jeff Ornelas

Fax #:

FOR LAB USE ONLY

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | PRESERV. | SAMPLING | DATE | TIME | | | | | | |
|------------------------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|----------|----------|---------|------|--|--|--|--|--|--|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | | | | | | |
| H4008181 | SB1 @ 15' | | 1 | | | ✓ | | | | | 3/20/14 | 2:22 PM | ✓ | | | | | | |
| | SB1 @ 25' | | 1 | | | ✓ | | | | | 3/20/14 | 2:48 PM | ✓ | | | | | | |
| | SB1 @ 35' | | 1 | | | ✓ | | | | | 3/20/14 | 2:58 PM | ✓ | | | | | | |
| | SB1 @ 45' | | 1 | | | ✓ | | | | | 3/20/14 | 3:10 PM | ✓ | | | | | | |
| | SB1 @ 55' | | 1 | | | ✓ | | | | | 3/20/14 | 3:25 PM | ✓ | | | | | | |
| LAB 3/21/14 | | | | | | | | | | | | | | | | | | | |

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Relinquished By: Jeff Ornelas

Date: 3/20/14

Received By: Jeff Ornelas

Delivered By: (Circle One)

Time: 4:30

Received By: Jeff Ornelas

Sampler - UPS - Bus - Other:

Time: 5:20

Received By: Jeff Ornelas

Sample Condition
 Cool Intact
 Yes No

CHECKED BY: (Initials) *JO*

REMARKS:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

March 18, 2015

Bob Allen
Safety & Environmental Solutions
703 East Clinton
Hobbs, NM 88240

Job No.
OXG 141-011

RE: WEST DOLLARHIDE #101

Enclosed are the results of analyses for samples received by the laboratory on 03/13/15 11:55.

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.

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,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

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

| | | | |
|-------------------|----------------------|---------------------|---------------|
| Received: | 03/13/2015 | Sampling Date: | 03/12/2015 |
| Reported: | 03/18/2015 | Sampling Type: | Soil |
| Project Name: | WEST DOLLARHIDE #101 | Sampling Condition: | Cool & Intact |
| Project Number: | OXY-14-016 | Sample Received By: | Jodi Henson |
| Project Location: | JAL, NM | | |

Sample ID: SW - SP 2 - NORTH WALL (H500705-01)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AP | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 304 | 16.0 | 03/18/2015 | ND | 416 | 104 | 400 | 0.00 | | |

Sample ID: SW - SP 2 - EAST WALL (H500705-02)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AP | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 144 | 16.0 | 03/18/2015 | ND | 416 | 104 | 400 | 0.00 | | |

Sample ID: SE - SP 3 - NORTH WALL (H500705-03)

| 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 | 03/18/2015 | ND | 416 | 104 | 400 | 0.00 | | |

Sample ID: SE - SP 3 - WEST WALL (H500705-04)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AP | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 480 | 16.0 | 03/18/2015 | ND | 416 | 104 | 400 | 0.00 | | |

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

| | | | |
|-------------------|----------------------|---------------------|---------------|
| Received: | 03/13/2015 | Sampling Date: | 03/12/2015 |
| Reported: | 03/18/2015 | Sampling Type: | Soil |
| Project Name: | WEST DOLLARHIDE #101 | Sampling Condition: | Cool & Intact |
| Project Number: | OXY-14-016 | Sample Received By: | Jodi Henson |
| Project Location: | JAL, NM | | |

Sample ID: NW - SP 4 - NORTH WALL (H500705-05)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 03/18/2015 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: NW - SP 4 - WEST WALL (H500705-06)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 512 | 16.0 | 03/18/2015 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: NW - SP 4 - SOUTH WALL (H500705-07)

| 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 | 03/18/2015 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: NE - SP 2 - NORTH WALL (H500705-08)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 384 | 16.0 | 03/18/2015 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: NE - SP 2 - EAST WALL (H500705-09)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 384 | 16.0 | 03/18/2015 | ND | 416 | 104 | 400 | 0.00 | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

| | | | |
|-------------------|----------------------|---------------------|---------------|
| Received: | 03/13/2015 | Sampling Date: | 03/12/2015 |
| Reported: | 03/18/2015 | Sampling Type: | Soil |
| Project Name: | WEST DOLLARHIDE #101 | Sampling Condition: | Cool & Intact |
| Project Number: | OXY-14-016 | Sample Received By: | Jodi Henson |
| Project Location: | JAL, NM | | |

Sample ID: NE - SP 2 - SOUTH WALL (H500705-10)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 400 | 16.0 | 03/18/2015 | ND | 416 | 104 | 400 | 0.00 | | |

Sample ID: SW - SP 2 - BOTTOM (H500705-11)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1920 | 16.0 | 03/18/2015 | ND | 416 | 104 | 400 | 0.00 | | |

Sample ID: NW - SP 4 - BOTTOM (H500705-12)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 752 | 16.0 | 03/18/2015 | ND | 416 | 104 | 400 | 0.00 | | |

Sample ID: SE - SP 3 - BOTTOM (H500705-13)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1620 | 16.0 | 03/18/2015 | ND | 416 | 104 | 400 | 0.00 | | |

Sample ID: NE - SP 2 - BOTTOM (H500705-14)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 752 | 16.0 | 03/18/2015 | ND | 416 | 104 | 400 | 0.00 | | |

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

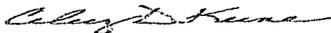
Notes and Definitions

- 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 Marland, Hobbs, NM 88240
(505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

Bill To

Company: Same Oxy

Address: 714 MCEL AUSTIN

City: Hobbs N

State: NM Zip: 88240

Phone #: 575-499-4919

Fax #:

Project Name: West DOLLARVILLE #101

Project Location: Lee County (JAI D.W)

Sampler Name: SOBE Jerry

For Lab Use Only

Lab I.D. Sample I.D.

| Lab I.D. | Sample I.D. | (GRAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | | DATE | TIME | | |
|----------|-------------------|------------------|--------------|-------------|------------|------|-----|--------|---------|------------|-------|------|------------|-----------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | | | ICE / COOL | OTHER : |
| HSW0705 | SW-SP-2 NORTHWALL | G | 1 | X | | | | | | | 03/12 | 1015 | X | CHLORIDES |
| | SW-SP-2 EASTWALL | G | 1 | X | | | | | | | 03/12 | 1030 | | |
| | SE-SP-3 NORTHWALL | G | 1 | X | | | | | | | 03/12 | 1120 | | |
| | SE-SP-3 WESTWALL | G | 1 | X | | | | | | | 03/12 | 1155 | | |
| | SW-SP-4 NORTHWALL | G | 1 | X | | | | | | | 03/12 | 1220 | | |
| | SW-SP-4 WESTWALL | G | 1 | X | | | | | | | 03/12 | 1250 | | |
| | SW-SP-4 SOUTHWALL | G | 1 | X | | | | | | | 03/12 | 1330 | | |
| | NE-SP-2 NORTHWALL | G | 1 | X | | | | | | | 03/12 | 1430 | | |
| | NE-SP-2 EASTWALL | G | 1 | X | | | | | | | 03/12 | 1455 | | |
| | NE-SP-2 SOUTHWALL | G | 1 | X | | | | | | | 03/12 | 1525 | | |

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Sampler: Rain/Quished: Date: 03/12/15 Received By: [Signature]

Delivered By: (Circle One) [Signature] Sample Condition: [Checked] Intact [Checked] Yes [Checked] No [Checked] Yes [Checked] No [Checked]

Sampler - UPS - Bus - Other: [Checked] No [Checked] No [Checked] No [Checked] No

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#54



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

Bill To

Company Name: Safety & Environmental Solutions, Inc.
Project Manager: Bob Allen

Address: 703 East Clinton
City: Hobbs State: NM zip: 88240

Phone #: 575-397-0510 Fax #: 575-393-4388

Project #: 084-14-D16 Project Owner: DXY
Project Name: WEST DOLLARVILLE (01)

Project Location: 102 Co. Jty (CAL N.M.)
Sampler Name: 5052 Jerry

Lab I.D. Sample I.D.
H500705

| Lab I.D. | Sample I.D. | (GRAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | | DATE | TIME | ANALYSIS REQUEST |
|----------|----------------|------------------|--------------|-------------|------------|------|-----|--------|---------|------------|-------|------|------------------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | | | |
| 11 | SW-SP-2 Bottom | G | 1 | | | | | | | | 09/12 | 0955 | CCLORING |
| 12 | NW-SP-4 Bottom | G | 1 | | | | | | | | 09/12 | 1600 | |
| 13 | BE-SP-3 Bottom | G | 1 | | | | | | | | 09/12 | 1610 | |
| 14 | NE-SP-2 Bottom | G | 1 | | | | | | | | 07/12 | 1625 | |

PLEASE NOTE: Usable and reliable containers only and clearly indicate volume for any container. Samples should be collected or held until they are analyzed by the analyst for the samples. All signs including those for refrigeration and any other labels which are not to be removed or tampered with. Samples must be written and received by Cardinal within 30 days after completion of the analysis. In the event that Cardinal is liable for incident or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or separate entities, or related to the performance of this contract, Cardinal shall be held liable for the full amount of such damages, including attorney's fees.

Sampler Relinquished By: *5052 Jerry* Received By: *[Signature]*

Relinquished By: *[Signature]* Date: *9/15* Time: *1:55*

Delivered By: (Circle One) UPS Bus Other:

Sample Collection: Yes No

Cool Inter: Yes No

Checked By: *[Signature]*

Phone Result: Yes No

Lab Phone #: *[Blank]*

ADD'l Phone #: *[Blank]*

ADD'l Fax #: *[Blank]*

REMARKS: *[Blank]*

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

H54

Laboratory Analytical Results Summary
West Dollarhide Devonian Unit #101

| Analyte | Method | Sample Date | SB1@15' | SB1@25' | SB1@35' | SB1@45' | SB1@55' |
|----------|------------|----------------|---------|---------|---------|---------|---------|
| | | | 3/20/14 | 3/20/14 | 3/20/14 | 3/20/14 | 3/20/14 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Chloride | SM4500Cl-B | | 3280 | 704 | 816 | 464 | 128 |

OXII-121-016 Job No.

Appendix C Site Photographs



West of wellhead looking Northeast (Photo # 1)



West of wellhead looking Northeast (Photo # 2)



West of wellhead looking Northeast (Photo # 3)



Wellhead facing Northeast (Photo # 4)



From wellhead looking Northwest (Photo # 5)



From wellhead looking Northwest (Photo # 6)



From North of wellhead looking West (Photo #7)



From North of wellhead looking South (Photo #8)



From North of wellhead looking West Excavated area



North of wellhead looking South Excavated area



Backfill of wellhead area



Site at Completion

Appendix D C-141 Final

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

| | |
|-------------------------------------------------|------------------------------|
| Name of Company: Oxy Permian Ltd. | Contact: Austin Trammell |
| Address: 1017 W Stanolind Road, Hobbs, NM 88240 | Telephone No. (575)499-4919 |
| Facility Name West Dollarhide Devonian Unit 101 | Facility Type: Well Location |
| Surface Owner: BLM | Mineral Owner: |
| API No. 30-025-12335 | |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| F | 33 | 24S | 38E | 1980 | North | 779 | West | Lea |

Latitude 32.175350° Longitude 103.0666°

NATURE OF RELEASE

| | | |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------|
| Type of Release: Produced Water | Volume of Release 35Bbls | Volume Recovered 0 |
| Source of Release: 2" riser on well head broke off | Date and Hour of Occurrence 09/24/13 | 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; Jennifer Van Curen BLM | |
| By Whom? Austin Trammell | Date and Hour 09/24/13 @2:31PM | |
| 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.*

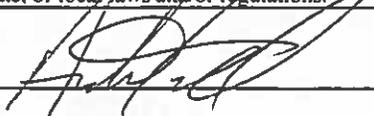
Describe Cause of Problem and Remedial Action Taken.*

A 2 inch riser on the well head broke off causing 35 bbls of produced water to leak onto the ground. No fluids were recovered and the riser was repaired/replaced..

Describe Area Affected and Cleanup Action Taken.*

The affected area was excavated according to the NMOCD approved work plan. The contaminated soil was transported to Sundance, a NMOCD approved disposal facility. The excavated area was backfilled with caliche transported from off-site.

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: Austin Trammell | Approved by District Supervisor: | |
| Title: HSE Coordinator | Approval Date: | Expiration Date: |
| E-mail Address: Austin.trammell@oxy.com | Conditions of Approval: | Attached <input type="checkbox"/> |
| Date: 05-15-2015 | Phone: 575-499-4919 | |

* Attach Additional Sheets If Necessary