



Oxy – SHU #155 (09/22/2016)

REMEDIATION PLAN, RP # 1RP-4495

Oxy will excavate the spill area as depicted on the following site diagram. The entire leak area will be excavated to a depth of 6 inches, except in two small areas around SP1 and SP2, excavation will be completed to a depth of 1.5 feet. The entire site will then be backfilled with clean soil.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.

APPROVED

By Olivia Yu at 10:02 am, Mar 02, 2017

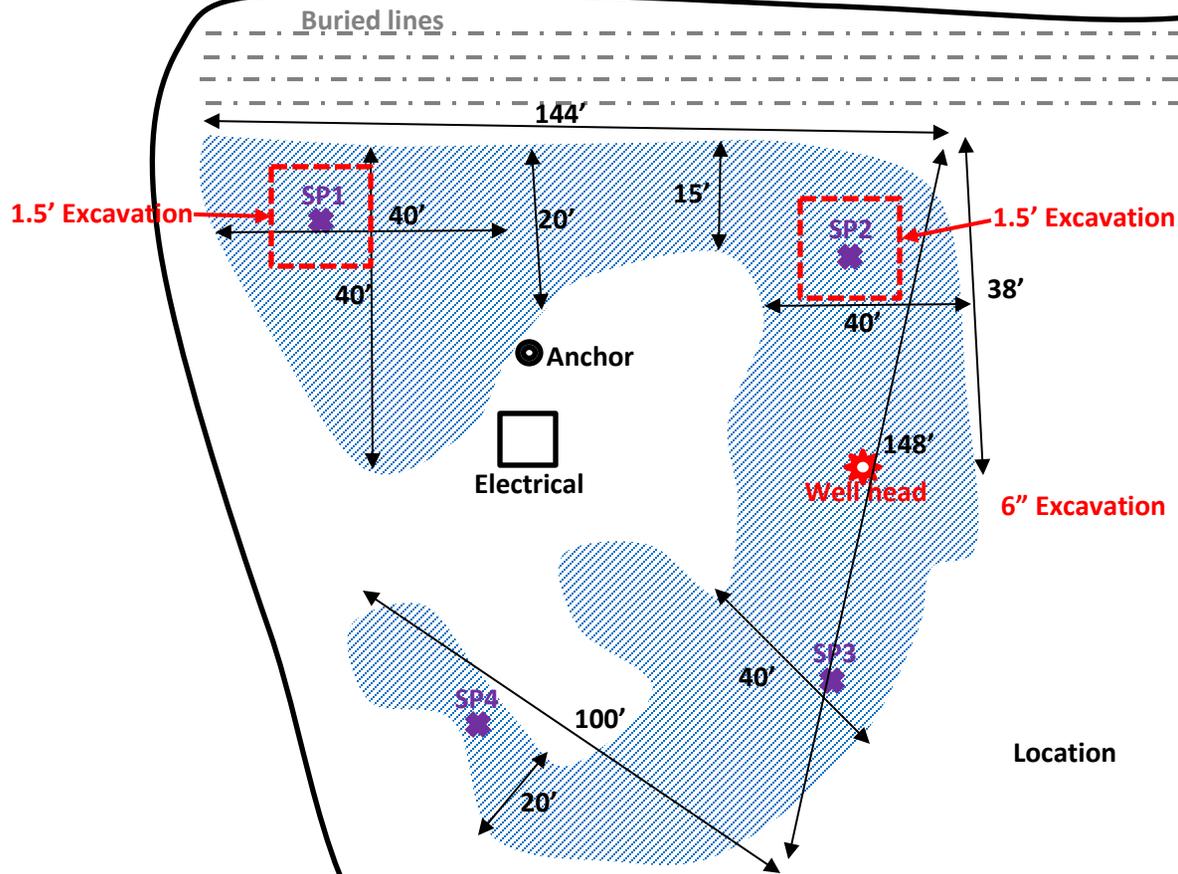
The delineation report for 1RP-4495 is approved with these conditions:

1. A scaled digital map with the extent of the release demarcated will be required for the closure report of this RP.
2. Due to the depth to groundwater, vertically delineate at all 4 sample locations until 250 mg/kg chloride level is obtained and maintained for 10 ft. bgs.



Oxy
SHU #155 (09/22/2016)

Road



U/L B, Section 9, T19S, R38E

Lea County, NM

N 32.67891° W 103.14986°

API# 30-025-28358

BBC International, Inc.

**Oxy
SHU #155**

Date: 10/05/2016

DRWG by: K. Purvis

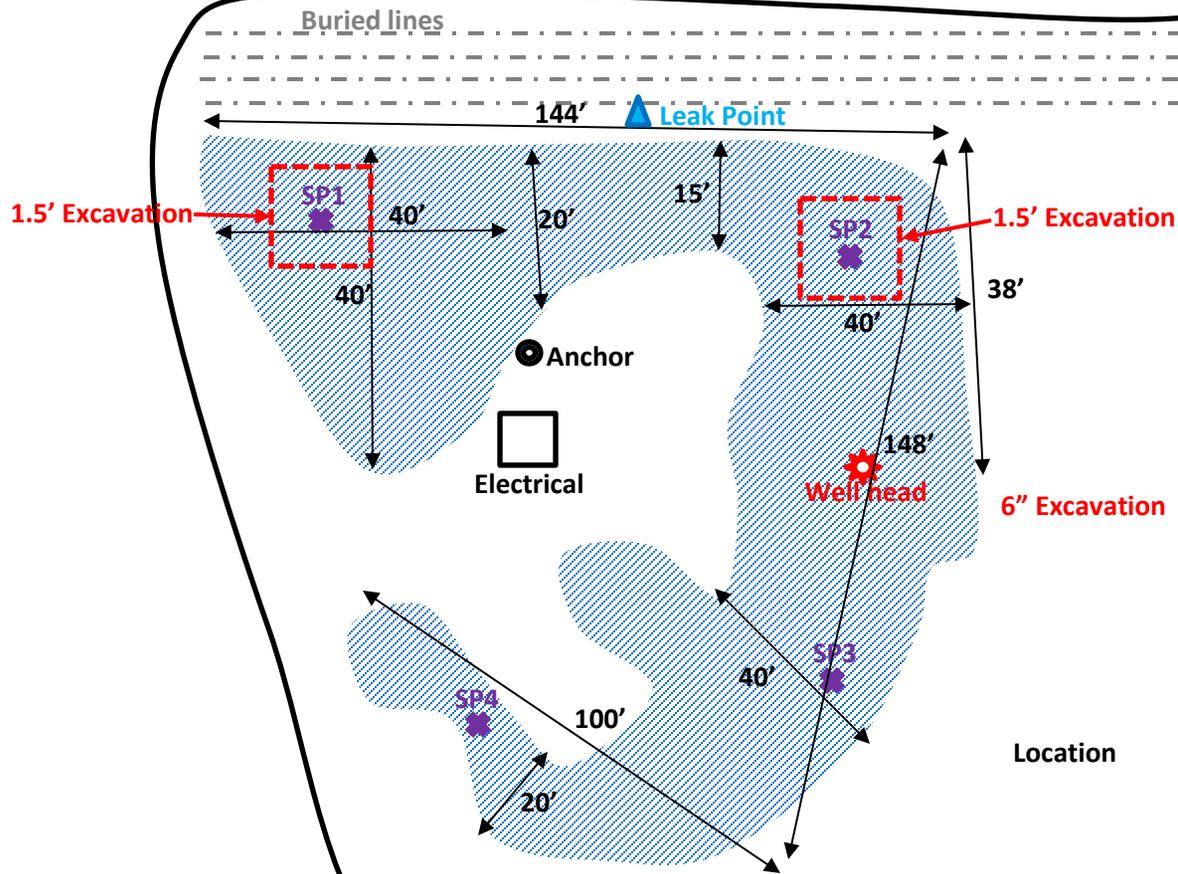
NOT TO SCALE

File: Wasson '16



Oxy
SHU #155 (09/22/2016)

Road



U/L B, Section 9, T19S, R38E

Lea County, NM

N 32.67891° W 103.14986°

API# 30-025-28358

BBC International, Inc.

**Oxy
SHU #155**

Date: 10/05/2016

DRWG by: K. Purvis

NOT TO SCALE

File: Wasson '16

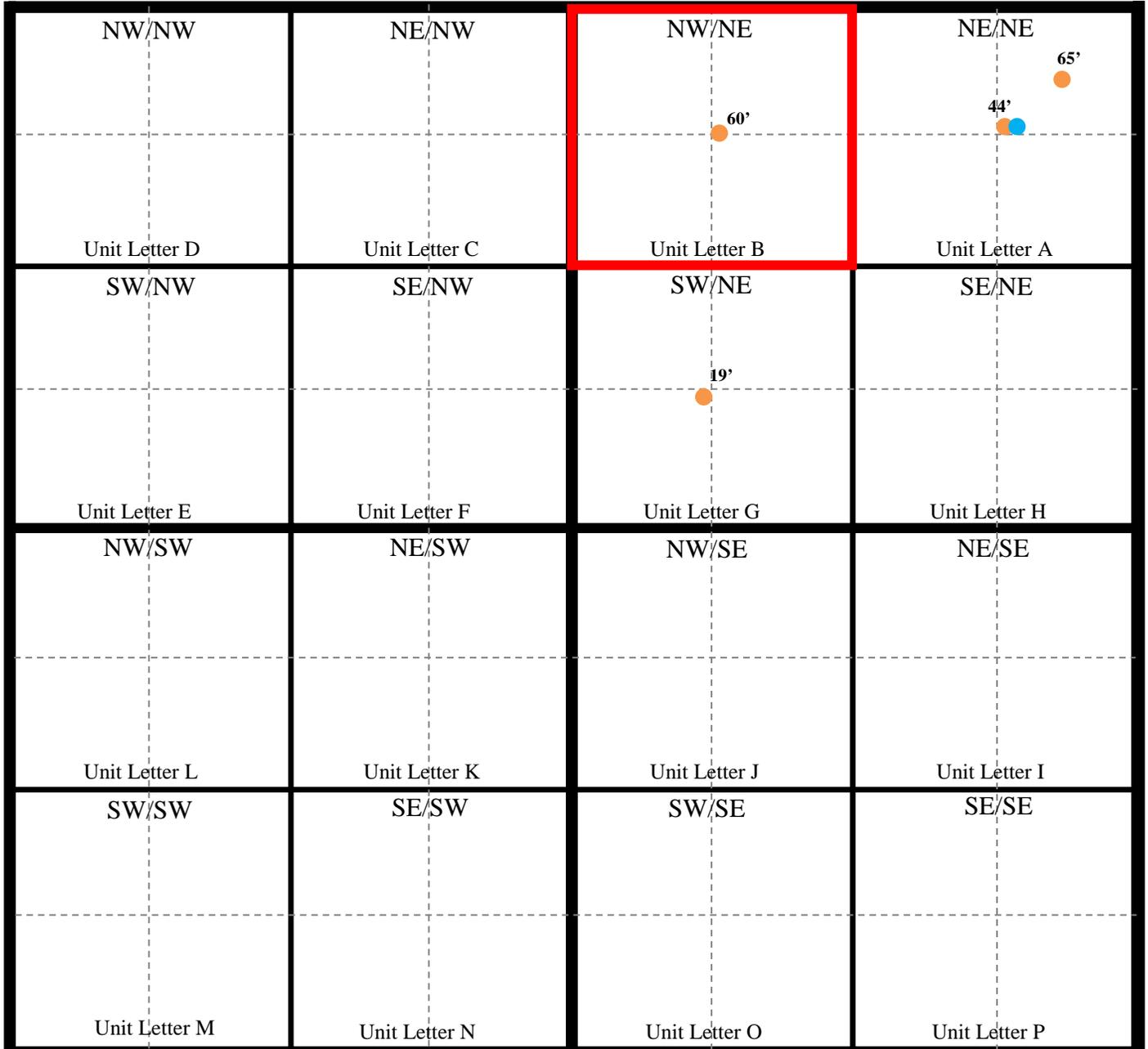
Oxy SHU #155

County: Lea Unit Letter: B Section: 9 Township: 19S Range: 38E

Trend Map <50'

1

2



3

4

**Laboratory Analytical Results Summary
SHU #155**

| | | Sample | SP1 @ SURFACE | SP1 @ 1' | SP1 @ 1.5' | SP1 @ 2' |
|----------------------|------------|--------|------------------|-------------|-------------|----------|
| Analyte | Method | Date | 9/29/16 | 9/29/16 | 9/29/16 | 11/7/16 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | n/a |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | n/a |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | n/a |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 | n/a |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | <0.300 | n/a |
| Chloride | SM4500Cl-B | | 1380 | 304 | 864 | <16.0 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | n/a |
| DRO | TPH 8015M | | 661 | 18.2 | 82.3 | n/a |

| | | Sample | SP2 @ SURFACE | SP2 @ 1' | SP2 @ 2' |
|----------------------|------------|--------|------------------|--------------|----------|
| Analyte | Method | Date | 9/29/16 | 9/29/16 | 11/7/16 |
| | | | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | n/a |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | n/a |
| Ethylbenzene | BTEX 8021B | | 0.053 | 0.065 | n/a |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | n/a |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | n/a |
| Chloride | SM4500Cl-B | | 7440 | 944 | <16.0 |
| GRO | TPH 8015M | | <10.0 | <10.0 | n/a |
| DRO | TPH 8015M | | 545 | 99.5 | n/a |

| | | Sample | SP3 @ SURFACE | SP3 @ 1' |
|----------------------|------------|--------|------------------|-----------|
| Analyte | Method | Date | 9/29/16 | 9/29/16 |
| | | | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 |
| Chloride | SM4500Cl-B | | 16 | 16 |
| GRO | TPH 8015M | | <10.0 | <10.0 |
| DRO | TPH 8015M | | <10.0 | <10.0 |

| | | Sample | SP4 @ SURFACE | SP4 @ 1' | SP4 @ 2' |
|----------------------|------------|--------|------------------|-------------|----------|
| Analyte | Method | Date | 9/29/16 | 9/29/16 | 11/7/16 |
| | | | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.100 | <0.050 | n/a |
| Toluene | BTEX 8021B | | 0.119 | <0.050 | n/a |
| Ethylbenzene | BTEX 8021B | | <0.100 | <0.050 | n/a |
| Total Xylenes | BTEX 8021B | | 1.87 | <0.150 | n/a |
| Total BTEX | BTEX 8021B | | 1.99 | <0.300 | n/a |
| Chloride | SM4500Cl-B | | 624 | 432 | <16.0 |
| GRO | TPH 8015M | | <10.0 | <10.0 | n/a |
| DRO | TPH 8015M | | 10400 | 16.8 | n/a |



October 05, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SHU #155

Enclosed are the results of analyses for samples received by the laboratory on 09/30/16 11:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 black ink that reads "Celey D. Keene". The signature is written in a cursive style.

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: | 09/30/2016 | Sampling Date: | 09/29/2016 |
| Reported: | 10/05/2016 | Sampling Type: | Soil |
| Project Name: | SHU #155 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP1 @ SURFACE (H602204-01)

| 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 | 10/04/2016 | ND | 2.26 | 113 | 2.00 | 0.650 | |
| Toluene* | <0.050 | 0.050 | 10/04/2016 | ND | 2.31 | 115 | 2.00 | 0.673 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/04/2016 | ND | 2.23 | 112 | 2.00 | 0.532 | |
| Total Xylenes* | <0.150 | 0.150 | 10/04/2016 | ND | 6.73 | 112 | 6.00 | 0.647 | |
| Total BTEX | <0.300 | 0.300 | 10/04/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.6-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1380 | 16.0 | 10/03/2016 | ND | 416 | 104 | 400 | 0.00 | |

| 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 | 10/03/2016 | ND | 184 | 92.0 | 200 | 2.29 | |
| DRO >C10-C28 | 661 | 10.0 | 10/03/2016 | ND | 189 | 94.6 | 200 | 8.65 | |

Surrogate: 1-Chlorooctane 78.8 % 35-147
Surrogate: 1-Chlorooctadecane 92.9 % 28-171

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: | 09/30/2016 | Sampling Date: | 09/29/2016 |
| Reported: | 10/05/2016 | Sampling Type: | Soil |
| Project Name: | SHU #155 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP1 @ 1' (H602204-02)

| 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 | 10/04/2016 | ND | 2.26 | 113 | 2.00 | 0.650 | |
| Toluene* | <0.050 | 0.050 | 10/04/2016 | ND | 2.31 | 115 | 2.00 | 0.673 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/04/2016 | ND | 2.23 | 112 | 2.00 | 0.532 | |
| Total Xylenes* | <0.150 | 0.150 | 10/04/2016 | ND | 6.73 | 112 | 6.00 | 0.647 | |
| Total BTEX | <0.300 | 0.300 | 10/04/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.6-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 10/03/2016 | ND | 416 | 104 | 400 | 0.00 | |

| 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 | 10/03/2016 | ND | 184 | 92.0 | 200 | 2.29 | |
| DRO >C10-C28 | 18.2 | 10.0 | 10/03/2016 | ND | 189 | 94.6 | 200 | 8.65 | |

Surrogate: 1-Chlorooctane 99.0 % 35-147

Surrogate: 1-Chlorooctadecane 109 % 28-171

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*=Accredited Analyte

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|------------|---------------------|---------------|
| Received: | 09/30/2016 | Sampling Date: | 09/29/2016 |
| Reported: | 10/05/2016 | Sampling Type: | Soil |
| Project Name: | SHU #155 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP1 @ 1.5' (H602204-03)

| 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 | 10/04/2016 | ND | 2.26 | 113 | 2.00 | 0.650 | | |
| Toluene* | <0.050 | 0.050 | 10/04/2016 | ND | 2.31 | 115 | 2.00 | 0.673 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/04/2016 | ND | 2.23 | 112 | 2.00 | 0.532 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/04/2016 | ND | 6.73 | 112 | 6.00 | 0.647 | | |
| Total BTEX | <0.300 | 0.300 | 10/04/2016 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.6-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 864 | 16.0 | 10/03/2016 | ND | 416 | 104 | 400 | 0.00 | | |

| 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 | 10/03/2016 | ND | 184 | 92.0 | 200 | 2.29 | | |
| DRO >C10-C28 | 82.3 | 10.0 | 10/03/2016 | ND | 189 | 94.6 | 200 | 8.65 | | |

Surrogate: 1-Chlorooctane 95.8 % 35-147

Surrogate: 1-Chlorooctadecane 107 % 28-171

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

 Received: 09/30/2016
 Reported: 10/05/2016
 Project Name: SHU #155
 Project Number: NONE GIVEN
 Project Location: OXY

 Sampling Date: 09/29/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP2 @ SURFACE (H602204-04)

| 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 | 10/04/2016 | ND | 2.26 | 113 | 2.00 | 0.650 | |
| Toluene* | <0.050 | 0.050 | 10/04/2016 | ND | 2.31 | 115 | 2.00 | 0.673 | |
| Ethylbenzene* | 0.053 | 0.050 | 10/04/2016 | ND | 2.23 | 112 | 2.00 | 0.532 | |
| Total Xylenes* | <0.150 | 0.150 | 10/04/2016 | ND | 6.73 | 112 | 6.00 | 0.647 | |
| Total BTEX | <0.300 | 0.300 | 10/04/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7440 | 16.0 | 10/03/2016 | ND | 416 | 104 | 400 | 0.00 | |

| 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 | 10/03/2016 | ND | 184 | 92.0 | 200 | 2.29 | |
| DRO >C10-C28 | 545 | 10.0 | 10/03/2016 | ND | 189 | 94.6 | 200 | 8.65 | |

Surrogate: 1-Chlorooctane 104 % 35-147

Surrogate: 1-Chlorooctadecane 128 % 28-171

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|------------|---------------------|---------------|
| Received: | 09/30/2016 | Sampling Date: | 09/29/2016 |
| Reported: | 10/05/2016 | Sampling Type: | Soil |
| Project Name: | SHU #155 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP2 @ 1' (H602204-05)

| 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 | 10/04/2016 | ND | 2.26 | 113 | 2.00 | 0.650 | |
| Toluene* | <0.050 | 0.050 | 10/04/2016 | ND | 2.31 | 115 | 2.00 | 0.673 | |
| Ethylbenzene* | 0.065 | 0.050 | 10/04/2016 | ND | 2.23 | 112 | 2.00 | 0.532 | |
| Total Xylenes* | <0.150 | 0.150 | 10/04/2016 | ND | 6.73 | 112 | 6.00 | 0.647 | |
| Total BTEX | <0.300 | 0.300 | 10/04/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 944 | 16.0 | 10/03/2016 | ND | 416 | 104 | 400 | 0.00 | |

| 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 | 10/03/2016 | ND | 184 | 92.0 | 200 | 2.29 | |
| DRO >C10-C28 | 99.5 | 10.0 | 10/03/2016 | ND | 189 | 94.6 | 200 | 8.65 | |

Surrogate: 1-Chlorooctane 98.3 % 35-147
Surrogate: 1-Chlorooctadecane 118 % 28-171

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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: 09/30/2016
 Reported: 10/05/2016
 Project Name: SHU #155
 Project Number: NONE GIVEN
 Project Location: OXY

 Sampling Date: 09/29/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP3 @ SURFACE (H602204-06)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.100 | 0.100 | 10/04/2016 | ND | 2.26 | 113 | 2.00 | 0.650 | |
| Toluene* | 0.119 | 0.100 | 10/04/2016 | ND | 2.31 | 115 | 2.00 | 0.673 | |
| Ethylbenzene* | <0.100 | 0.100 | 10/04/2016 | ND | 2.23 | 112 | 2.00 | 0.532 | |
| Total Xylenes* | 1.87 | 0.300 | 10/04/2016 | ND | 6.73 | 112 | 6.00 | 0.647 | |
| Total BTEX | 1.99 | 0.600 | 10/04/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 135 % 73.6-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 624 | 16.0 | 10/03/2016 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | S-06 |
|------------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | 316 | 100 | 10/04/2016 | ND | 184 | 92.0 | 200 | 2.29 | | |
| DRO >C10-C28 | 10400 | 100 | 10/04/2016 | ND | 189 | 94.6 | 200 | 8.65 | | |

Surrogate: 1-Chlorooctane 210 % 35-147

Surrogate: 1-Chlorooctadecane 277 % 28-171

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: | 09/30/2016 | Sampling Date: | 09/29/2016 |
| Reported: | 10/05/2016 | Sampling Type: | Soil |
| Project Name: | SHU #155 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP3 @ 1' (H602204-07)

| 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 | 10/04/2016 | ND | 2.26 | 113 | 2.00 | 0.650 | |
| Toluene* | <0.050 | 0.050 | 10/04/2016 | ND | 2.31 | 115 | 2.00 | 0.673 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/04/2016 | ND | 2.23 | 112 | 2.00 | 0.532 | |
| Total Xylenes* | <0.150 | 0.150 | 10/04/2016 | ND | 6.73 | 112 | 6.00 | 0.647 | |
| Total BTEX | <0.300 | 0.300 | 10/04/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.6-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 10/03/2016 | ND | 416 | 104 | 400 | 0.00 | |

| 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 | 10/03/2016 | ND | 184 | 92.0 | 200 | 2.29 | |
| DRO >C10-C28 | 16.8 | 10.0 | 10/03/2016 | ND | 189 | 94.6 | 200 | 8.65 | |

Surrogate: 1-Chlorooctane 109 % 35-147

Surrogate: 1-Chlorooctadecane 118 % 28-171

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: | 09/30/2016 | Sampling Date: | 09/29/2016 |
| Reported: | 10/05/2016 | Sampling Type: | Soil |
| Project Name: | SHU #155 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP4 @ SURFACE (H602204-08)

| 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 | 10/04/2016 | ND | 2.26 | 113 | 2.00 | 0.650 | |
| Toluene* | <0.050 | 0.050 | 10/04/2016 | ND | 2.31 | 115 | 2.00 | 0.673 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/04/2016 | ND | 2.23 | 112 | 2.00 | 0.532 | |
| Total Xylenes* | <0.150 | 0.150 | 10/04/2016 | ND | 6.73 | 112 | 6.00 | 0.647 | |
| Total BTEX | <0.300 | 0.300 | 10/04/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 73.6-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 10/03/2016 | ND | 416 | 104 | 400 | 0.00 | |

| 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 | 10/03/2016 | ND | 184 | 92.0 | 200 | 2.29 | |
| DRO >C10-C28 | 73.8 | 10.0 | 10/03/2016 | ND | 189 | 94.6 | 200 | 8.65 | |

Surrogate: 1-Chlorooctane 102 % 35-147

Surrogate: 1-Chlorooctadecane 103 % 28-171

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: 09/30/2016
 Reported: 10/05/2016
 Project Name: SHU #155
 Project Number: NONE GIVEN
 Project Location: OXY

 Sampling Date: 09/29/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP4 @ 1' (H602204-09)

| 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 | 10/04/2016 | ND | 2.26 | 113 | 2.00 | 0.650 | | |
| Toluene* | <0.050 | 0.050 | 10/04/2016 | ND | 2.31 | 115 | 2.00 | 0.673 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/04/2016 | ND | 2.23 | 112 | 2.00 | 0.532 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/04/2016 | ND | 6.73 | 112 | 6.00 | 0.647 | | |
| Total BTEX | <0.300 | 0.300 | 10/04/2016 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.6-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 432 | 16.0 | 10/03/2016 | ND | 416 | 104 | 400 | 0.00 | | |

| 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 | 10/03/2016 | ND | 184 | 92.0 | 200 | 2.29 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 10/03/2016 | ND | 189 | 94.6 | 200 | 8.65 | | |

Surrogate: 1-Chlorooctane 103 % 35-147

Surrogate: 1-Chlorooctadecane 109 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P. O. Box 805
 City: Hobbs
 Phone #: 575-397-6388
 Project #: SHL #155
 Project Location: *base Brunson*

P.O. #: _____
 Company: _____
 Attn: _____
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | TPH | BTEX | CL |
|----------|---------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|------|------|-----|------|----|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | |
| H1002104 | SP1 @ Surface | | 1 | | | | | | 9/29/16 | 815 | | | | |
| 01 | SP1 @ 1.5' | | 1 | | | | | | 9/29/16 | 830 | | | | |
| 02 | SP2 @ Surface | | 1 | | | | | | 9/29/16 | 845 | | | | |
| 03 | SP3 @ 1.5' | | 1 | | | | | | 9/29/16 | 930 | | | | |
| 04 | SP3 @ 1.5' | | 1 | | | | | | 9/29/16 | 947 | | | | |
| 05 | SP3 @ 1.5' | | 1 | | | | | | 9/29/16 | 1015 | | | | |
| 06 | SP4 @ Surface | | 1 | | | | | | 9/29/16 | 1047 | | | | |
| 07 | SP4 @ Surface | | 1 | | | | | | 9/29/16 | 1120 | | | | |
| 08 | SP4 @ 1.5' | | 1 | | | | | | 9/29/16 | 1150 | | | | |

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Relinquished By: _____
 Date: 1/21/16
 Time: 11:45
 Received By: *Arati Herndon*
 Date: _____
 Time: _____

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: 2.40
 Sample Condition: Cool Intact
 Checked By: *Arati Herndon*
 Phone Result: Yes No
 Fax Result: Yes No
 Add'l Phone #: _____
 Add'l Fax #: _____

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #75



November 11, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SHU #155

Enclosed are the results of analyses for samples received by the laboratory on 11/07/16 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 black ink 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: | 11/07/2016 | Sampling Date: | 11/07/2016 |
| Reported: | 11/11/2016 | Sampling Type: | Soil |
| Project Name: | SHU #155 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP1 @ 2' (H602513-01)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/08/2016 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SP2 @ 2' (H602513-02)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/08/2016 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SP4 @ 2' (H602513-03)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/08/2016 | ND | 432 | 108 | 400 | 0.00 | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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

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

Form C-141
Revised August 8, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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 | Contact | Tony Aguilar |
| Address | 1017 W. Stanolind Road | Telephone No. | (575) 397-8251 |
| Facility Name | SHU #155 | Facility Type | Well |
| Surface Owner | Oxy | Mineral Owner | |
| | | API No. | 30-025-28358 |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|----------------|
| B | 9 | 19S | 38E | | | | | Lea County, NM |

Latitude N 32.67891° Longitude W 103.14986°

NATURE OF RELEASE

| | | | | | |
|-----------------------------|---|---|---|----------------------------|---------------------------------------|
| Type of Release | Oil and produced water | Volume of Release | 2 bbl oil, 23 bbls of produced water | Volume Recovered | 2 bbls oil, 20 bbls produced water |
| Source of Release | Stress/fatigue of 4" fiberglass flow line | Date and Hour of Occurrence | 09/22/2016 | 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? | Kristen Lynch, Jamie Keyes- NMOCD | | |
| By Whom? | Tony Aguilar | Date and Hour | 09/22/2016 @ 1:10 pm | | |
| 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.*

Stress/fatigue of a 4" fiberglass flow line caused a leak of 2 bbls of oil and 23 bbls of produced water. A vacuum truck recovered 2 bbls of oil and 20 bbls of produced water and the line was repaired.

Describe Area Affected and Cleanup Action Taken.*

The area affected is approximately 150' x 200' on location. Remediation will be completed in accordance with a remediation plan approved by 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:  | OIL CONSERVATION DIVISION | | |
| Printed Name: Tony Aguilar | Approved by Environmental Specialist: | | |
| Title: HES Specialist | Approval Date: | Expiration Date: | |
| E-mail Address: Raymond_aguilar@oxy.com | Conditions of Approval: | | Attached <input type="checkbox"/> |
| Date: 10/5/16 | Phone: (575) 397-8251 | | |

* Attach Additional Sheets If Necessary