

Closure Report

Site Description

| | |
|--------------------|-------------------------------|
| Site Name: | Federal 12 #001 South CTB |
| Company: | Oxy Permian |
| Legal Description: | U/L M, Section 12, T22S, R31E |
| County: | Eddy County, NM |
| GPS Coordinates: | N 32.40031° W 103.73792° |

Release Data

| | |
|--------------------|--|
| Date of Release: | 08/05/2016 |
| Type of Release: | Oil and produced water |
| Source of Release: | Pump failure caused the tank to spill over |
| Volume of Release: | 2 bbls oil, 12 bbls produced water |
| Volume Recovered: | 7 bbls |

Remediation Specifications

| | | |
|-------------------------|---|---|
| Remediation Parameters: | Excavate the leak area to a depth of 1.5 feet. Backfill the excavation with clean soil. | |
| Remediation Activities: | December 2016 | |
| Plan Sent to OCD: | 09/23/2016 | Email from Cliff Brunson to Mike Bratcher |
| OCD Approval of Plan: | 09/28/2016 | Email from Mike Bratcher to Cliff Brunson |
| Plan Sent to BLM: | 09/23/2016 | Email from Cliff Brunson to Shelly Tucker |
| BLM Approval of Plan: | 10/04/2016 | Email from Shelly Tucker to Cliff Brunson |

Supporting Documentation

| | |
|------------------|--|
| Initial C-141 | Signed 08/18/2016 |
| Final C-141 | Signed 01/11/2017 |
| Site Diagram | August 2016 |
| Groundwater Plot | 150'-175' |
| TOPO Maps | August 2016 |
| Lab Summary | 08/25/2016-08/26/2016 and 10/25/2016 |
| Lab Analysis | 08/25/2016-08/26/2016 and 10/25/2016 |
| Correspondence | Request and approval of remediation plan via email |

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

01/20/2016

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 Ltd. | Contact | Casey Summers |
| Address | 6 Desta Drive, Midland, TX 79705 | Telephone No. | (575) 513-8289 |
| Facility Name | Federal 12 #001 South CTB | Facility Type | Battery |

| | | | | | |
|---------------|-----|---------------|--|---------|--------------|
| Surface Owner | BLM | Mineral Owner | | API No. | 30-015-26742 |
|---------------|-----|---------------|--|---------|--------------|

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|-----------------|
| M | 12 | 22S | 31E | | | | | Eddy County, NM |

Latitude N 32.40031° Longitude W 103.73792°

NATURE OF RELEASE

| | | | | | |
|-----------------------------|---|---|---|----------------------------|--------|
| Type of Release | Oil and Produced water | Volume of Release | 2 bbls oil, 12 bbls produced water | Volume Recovered | 7 bbls |
| Source of Release | Pump failure caused the tank to spill over | Date and Hour of Occurrence | 08/05/2016 | 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? | Mike Bratcher, Heather Patterson- NMOCD; Shelly Tucker- BLM | | |
| By Whom? | Kathy@ BBC International, Inc. | Date and Hour | 08/05/2016 @ 5:18 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.*

Pump failure caused the tank to spill over and leak 2 bbls of oil and 12 bbls of produced water. A vacuum truck recovered 7 bbls of fluids and the pump was restored back to working condition.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 48' x 117' on location inside the berm of the battery. Remediation will be completed in accordance with a plan approved by both NMOCD and the BLM.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | | | |
|---------------------------------------|---------------------------------------|------------------|-----------------------------------|
| Signature: | <u>OIL CONSERVATION DIVISION</u> | | |
| Printed Name: Casey Summers | Approved by Environmental Specialist: | | |
| Title: NM Environmental Advisor | Approval Date: | Expiration Date: | |
| E-mail Address: Casey_Summers@oxy.com | Conditions of Approval: | | Attached <input type="checkbox"/> |
| Date: 8-18-16 | Phone: (575) 513-8289 | | |

* Attach Additional Sheets If Necessary

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 Ltd. | Contact | Casey Summers |
| Address | PO Box 4294; Houston, TX 77210 | Telephone No. | (575) 513-8289 |
| Facility Name | Federal 12 #001 South CTB | Facility Type | Battery |

| | | | | | |
|---------------|-----|---------------|--|---------|--------------|
| Surface Owner | BLM | Mineral Owner | | API No. | 30-015-26742 |
|---------------|-----|---------------|--|---------|--------------|

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|-----------------|
| M | 12 | 22S | 31E | | | | | Eddy County, NM |

Latitude N 32.40031° Longitude W 103.73792°

NATURE OF RELEASE

| | | | | | |
|-----------------------------|---|---|---|----------------------------|--------|
| Type of Release | Oil and Produced water | Volume of Release | 2 bbls oil, 12 bbls produced water | Volume Recovered | 7 bbls |
| Source of Release | Pump failure caused the tank to spill over | Date and Hour of Occurrence | 08/05/2016 | 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? | Mike Bratcher, Heather Patterson- NMOCD; Shelly Tucker- BLM | | |
| By Whom? | Kathy@ BBC International, Inc. | Date and Hour | 08/05/2016 @ 5:18 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.*
Pump failure caused the tank to spill over and leak 2 bbls of oil and 12 bbls of produced water. A vacuum truck recovered 7 bbls of fluids and the pump was restored back to working condition.

Describe Area Affected and Cleanup Action Taken.*
The affected area is approximately 48' x 117' on location inside the berm of the battery. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 09/28/2016 and approved by Shelly Tucker of the BLM via email on 10/04/2016.

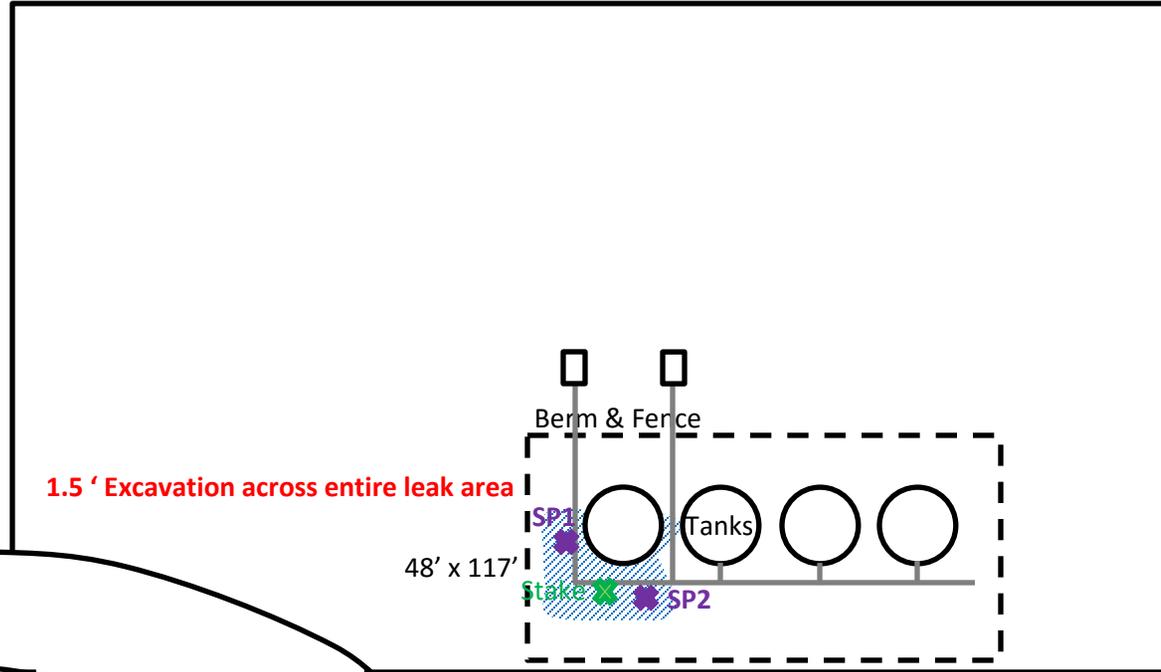
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | | | |
|---------------------------------------|---------------------------------------|------------------|-----------------------------------|
| Signature: | <u>OIL CONSERVATION DIVISION</u> | | |
| Printed Name: Casey Summers | Approved by Environmental Specialist: | | |
| Title: NM Environmental Advisor | Approval Date: | Expiration Date: | |
| E-mail Address: Casey_Summers@oxy.com | Conditions of Approval: | | Attached <input type="checkbox"/> |
| Date: 1-11-17 | Phone: (575) 513-8289 | | |

* Attach Additional Sheets If Necessary



Oxy
Federal 12 #001 South CTB (8/5/16)



U/L M, Section 12, T22S, R31E

Eddy County, NM

N 32.40031° W 103.73792°

API# 30-015-26742

BBC International, Inc.

Oxy
Federal 12 #001 South CTB

Date: 08/18/2016

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2016



Groundwater Plot

Oxy Federal 12 #001 South CTB

County
Eddy County

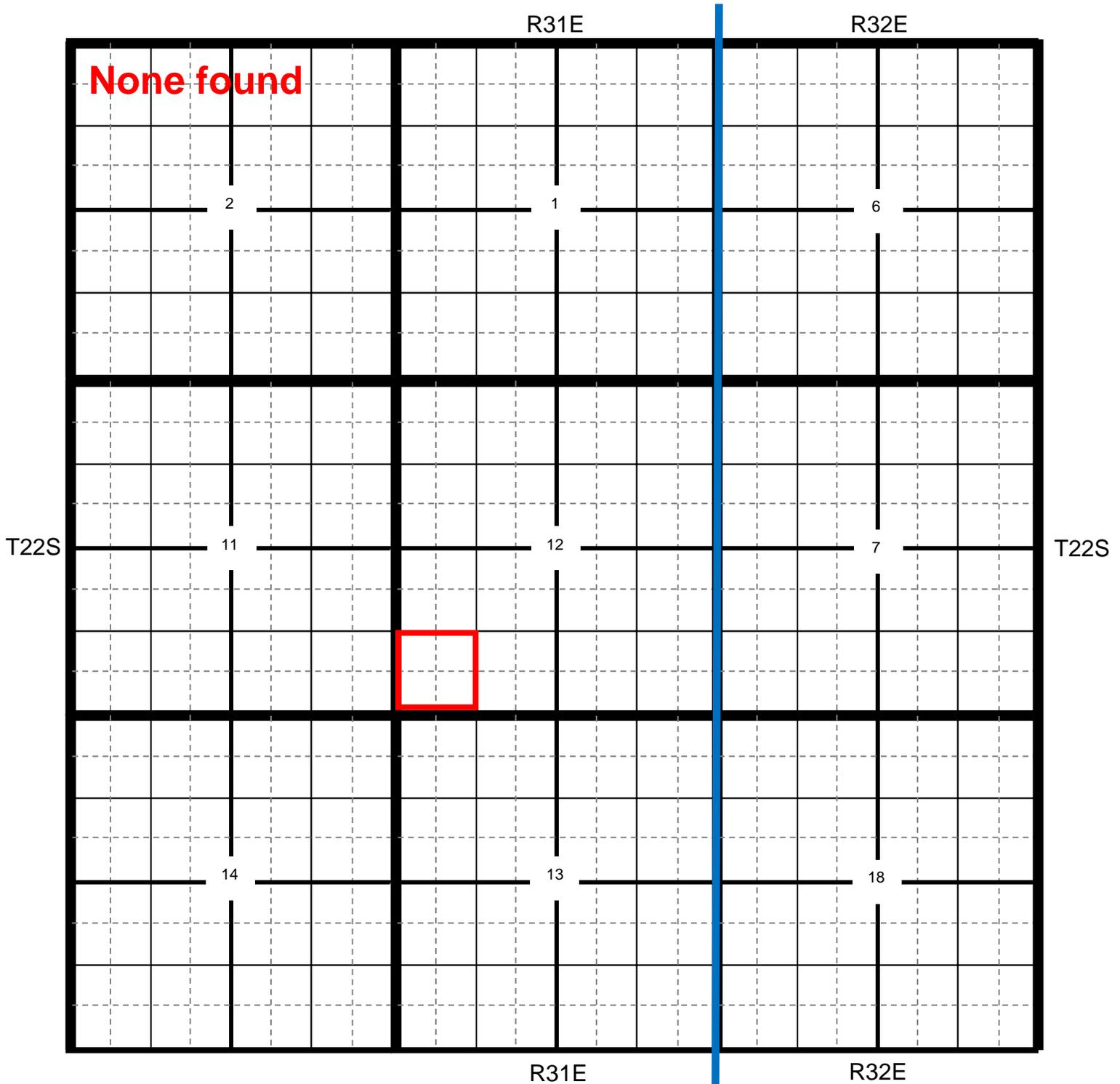
Unit Letter
M

Section
12

Township
22S

Range
31E

Trend Map 150'-175'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Federal 12 #001 South CTB

County Eddy Unit Letter M Section 12 Township 22 Range 31

Trend Map 150'-175'

1

2

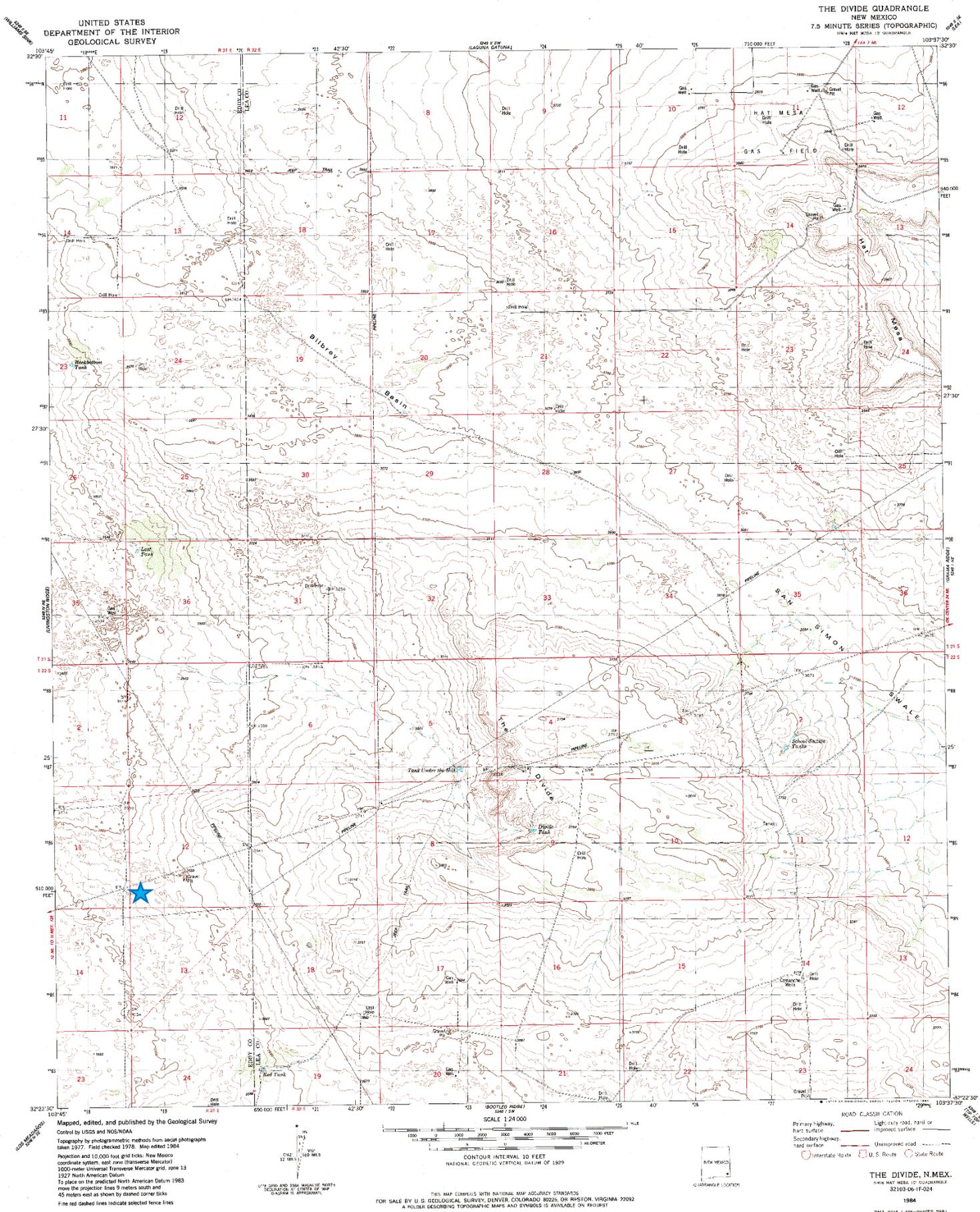
| | | | |
|----------------------------|---------------|---------------|---------------|
| NW/NW None found | NE/NW | NW/NE | NE/NE |
| Unit Letter D | Unit Letter C | Unit Letter B | Unit Letter A |
| SW/NW | SE/NW | SW/NE | SE/NE |
| Unit Letter E | Unit Letter F | Unit Letter G | Unit Letter H |
| NW/SW | NE/SW | NW/SE | NE/SE |
| Unit Letter L | Unit Letter K | Unit Letter J | Unit Letter I |
| SW/SW | SE/SW | SW/SE | SE/SE |
| Unit Letter M | Unit Letter N | Unit Letter O | Unit Letter P |

3

4

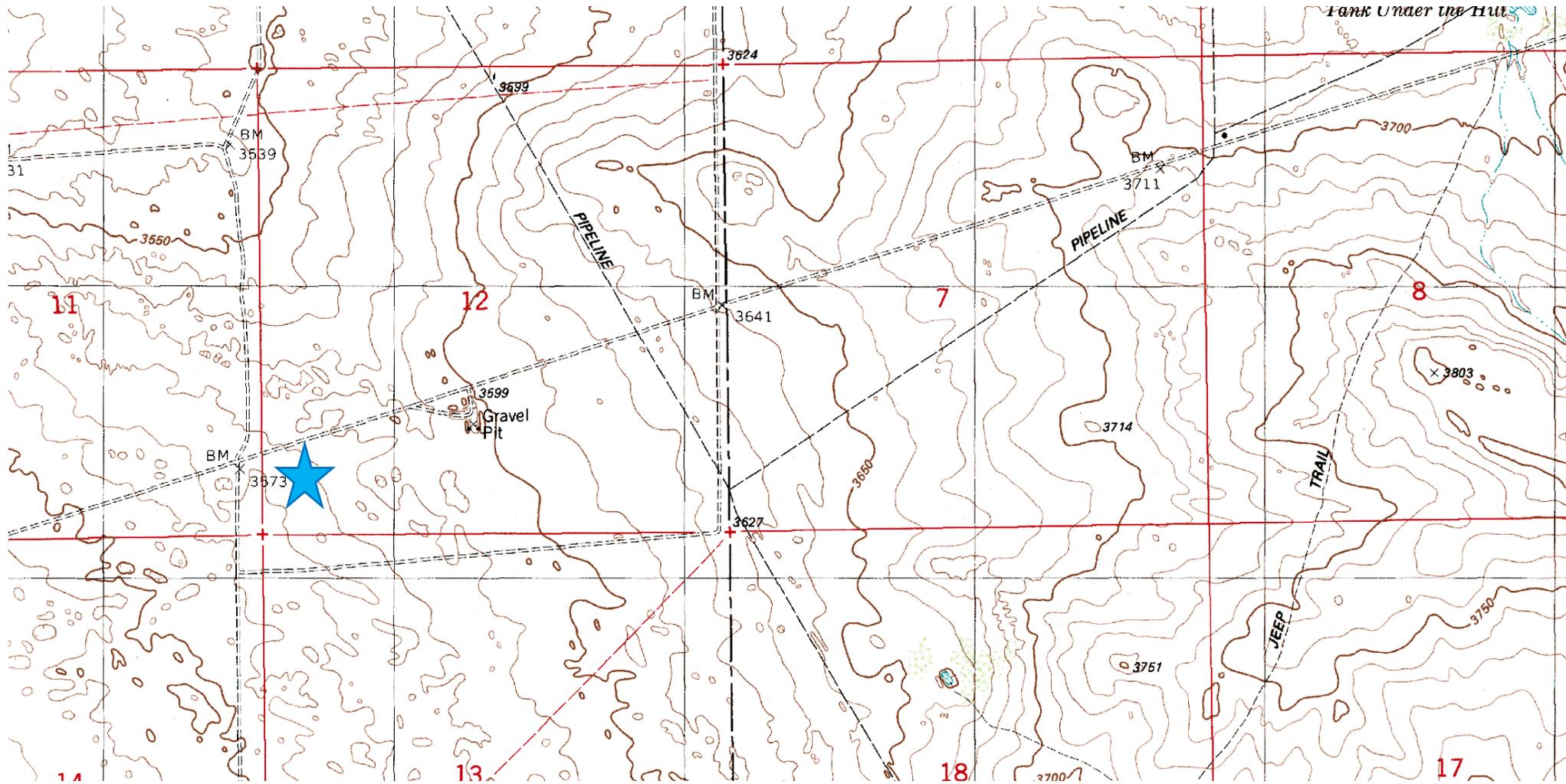
Oxy

Federal 12 #001 South CTB



Oxy

Federal 12 #001 South CTB



**Laboratory Analytical Results Summary
Federal 12 #001**

| | | Sample | SP1 @ 1' | SP1 @ 2' | SP1 @ 3' | SP1 @ 4' |
|----------------------|------------|--------|--------------|--------------|------------|------------|
| Analyte | Method | Date | 8/25/16 | 8/26/16 | 8/26/16 | 8/26/16 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | n/a | n/a |
| Toluene | BTEX 8021B | | 0.08 | <0.050 | n/a | n/a |
| Ethylbenzene | BTEX 8021B | | 0.807 | 0.391 | n/a | n/a |
| Total Xylenes | BTEX 8021B | | 2.08 | <0.150 | n/a | n/a |
| Total BTEX | BTEX 8021B | | 2.96 | 0.391 | n/a | n/a |
| Chloride | SM4500Cl-B | | 3840 | 736 | 480 | 464 |
| GRO | TPH 8015M | | 31.5 | <10.0 | n/a | n/a |
| DRO | TPH 8015M | | 1130 | 195 | n/a | n/a |

| | | Sample | SP2 @ 1' | SP2 @ 2' | SP2 @ 3' | SP2 @ 4' |
|----------------------|------------|--------|--------------|--------------|------------|------------|
| Analyte | Method | Date | 8/25/16 | 8/26/16 | 8/26/16 | 8/26/16 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | n/a | n/a |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | n/a | n/a |
| Ethylbenzene | BTEX 8021B | | 0.259 | 0.436 | n/a | n/a |
| Total Xylenes | BTEX 8021B | | 0.534 | <0.150 | n/a | n/a |
| Total BTEX | BTEX 8021B | | 0.793 | 0.436 | n/a | n/a |
| Chloride | SM4500Cl-B | | 6560 | 720 | 256 | 448 |
| GRO | TPH 8015M | | 15.2 | <10.0 | n/a | n/a |
| DRO | TPH 8015M | | 545 | 420 | n/a | n/a |



September 02, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 12 #001

Enclosed are the results of analyses for samples received by the laboratory on 08/29/16 11:50.

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: | 08/29/2016 | Sampling Date: | 08/25/2016 |
| Reported: | 09/02/2016 | Sampling Type: | Soil |
| Project Name: | FEDERAL 12 #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 1' (H601937-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/30/2016 | ND | 2.23 | 111 | 2.00 | 5.54 | |
| Toluene* | 0.080 | 0.050 | 08/30/2016 | ND | 2.32 | 116 | 2.00 | 5.42 | |
| Ethylbenzene* | 0.807 | 0.050 | 08/30/2016 | ND | 2.24 | 112 | 2.00 | 5.14 | |
| Total Xylenes* | 2.08 | 0.150 | 08/30/2016 | ND | 6.80 | 113 | 6.00 | 4.81 | |
| Total BTEX | 2.96 | 0.300 | 08/30/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 195 % 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 | 3840 | 16.0 | 08/30/2016 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 31.5 | 10.0 | 08/31/2016 | ND | 184 | 92.1 | 200 | 0.612 | |
| DRO >C10-C28 | 1130 | 10.0 | 08/31/2016 | ND | 181 | 90.5 | 200 | 0.466 | |

Surrogate: 1-Chlorooctane 112 % 35-147
Surrogate: 1-Chlorooctadecane 128 % 28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: | 08/29/2016 | Sampling Date: | 08/25/2016 |
| Reported: | 09/02/2016 | Sampling Type: | Soil |
| Project Name: | FEDERAL 12 #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 2 @ 1' (H601937-02)

| 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 | 08/30/2016 | ND | 2.23 | 111 | 2.00 | 5.54 | |
| Toluene* | <0.050 | 0.050 | 08/30/2016 | ND | 2.32 | 116 | 2.00 | 5.42 | |
| Ethylbenzene* | 0.259 | 0.050 | 08/30/2016 | ND | 2.24 | 112 | 2.00 | 5.14 | |
| Total Xylenes* | 0.534 | 0.150 | 08/30/2016 | ND | 6.80 | 113 | 6.00 | 4.81 | |
| Total BTEX | 0.793 | 0.300 | 08/30/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 138 % 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 | 6560 | 16.0 | 08/30/2016 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 15.2 | 10.0 | 08/31/2016 | ND | 184 | 92.1 | 200 | 0.612 | |
| DRO >C10-C28 | 545 | 10.0 | 08/31/2016 | ND | 181 | 90.5 | 200 | 0.466 | |

Surrogate: 1-Chlorooctane 96.9 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: | 08/29/2016 | Sampling Date: | 08/26/2016 |
| Reported: | 09/02/2016 | Sampling Type: | Soil |
| Project Name: | FEDERAL 12 #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 2' (H601937-03)

| 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 | 08/30/2016 | ND | 2.23 | 111 | 2.00 | 5.54 | |
| Toluene* | <0.050 | 0.050 | 08/30/2016 | ND | 2.32 | 116 | 2.00 | 5.42 | |
| Ethylbenzene* | 0.391 | 0.050 | 08/30/2016 | ND | 2.24 | 112 | 2.00 | 5.14 | |
| Total Xylenes* | <0.150 | 0.150 | 08/30/2016 | ND | 6.80 | 113 | 6.00 | 4.81 | |
| Total BTEX | 0.391 | 0.300 | 08/30/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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 | 736 | 16.0 | 08/30/2016 | ND | 416 | 104 | 400 | 3.77 | |

| 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 | 08/30/2016 | ND | 184 | 92.1 | 200 | 0.612 | |
| DRO >C10-C28 | 195 | 10.0 | 08/30/2016 | ND | 181 | 90.5 | 200 | 0.466 | |

Surrogate: 1-Chlorooctane 105 % 35-147

Surrogate: 1-Chlorooctadecane 115 % 28-171

Sample ID: SP 1 @ 3' (H601937-04)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 08/30/2016 | ND | 416 | 104 | 400 | 3.77 | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: | 08/29/2016 | Sampling Date: | 08/26/2016 |
| Reported: | 09/02/2016 | Sampling Type: | Soil |
| Project Name: | FEDERAL 12 #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 4' (H601937-05)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 464 | 16.0 | 08/30/2016 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP 2 @ 2' (H601937-06)

| 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 | 08/31/2016 | ND | 2.21 | 110 | 2.00 | 4.73 | |
| Toluene* | <0.050 | 0.050 | 08/31/2016 | ND | 2.24 | 112 | 2.00 | 5.31 | |
| Ethylbenzene* | 0.436 | 0.050 | 08/31/2016 | ND | 2.14 | 107 | 2.00 | 5.45 | |
| Total Xylenes* | <0.150 | 0.150 | 08/31/2016 | ND | 6.49 | 108 | 6.00 | 5.56 | |
| Total BTEX | 0.436 | 0.300 | 08/31/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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 | 720 | 16.0 | 08/30/2016 | ND | 416 | 104 | 400 | 3.77 | |

| 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 | 08/31/2016 | ND | 184 | 92.1 | 200 | 0.612 | |
| DRO >C10-C28 | 420 | 10.0 | 08/31/2016 | ND | 181 | 90.5 | 200 | 0.466 | |

Surrogate: 1-Chlorooctane 98.3 % 35-147

Surrogate: 1-Chlorooctadecane 115 % 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: | 08/29/2016 | Sampling Date: | 08/26/2016 |
| Reported: | 09/02/2016 | Sampling Type: | Soil |
| Project Name: | FEDERAL 12 #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 2 @ 3' (H601937-07)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 08/30/2016 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP 2 @ 4' (H601937-08)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 448 | 16.0 | 08/30/2016 | ND | 432 | 108 | 400 | 3.77 | |

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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 SM450Cl-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

Company Name: **BBC International, Inc.**
 Project Manager: **Cliff Brunson**
 Address: **P.O. Box 805**
 City: **Hobbs** State: **NM** Zip: **88241**
 Phone #: **575-397-6388** Fax #: **575-397-0397**
 Project #: _____ Project Owner: **OKM**
 Project Name: **FEDERAL #12 # 001**
 Project Location: _____
 Sampler Name: **DAGER HERNANDEZ**
 FOR LAB USE ONLY

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

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME | TPH | BTEX | CL |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|---------|------------|------------|---------|------|------|-----|------|----|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV | | | | | | | | |
| H001937 | SP101 | | 1 | | | | | | | | | | 8.15.10 | 1109 | | | | |
| | SP102 | | 2 | | | | | | | | | | 8.15.10 | 1100 | | | | |
| | SP103 | | 3 | | | | | | | | | | 8.26.10 | 1105 | | | | |
| | SP104 | | 4 | | | | | | | | | | 8.26.10 | 1105 | | | | |
| | SP105 | | 5 | | | | | | | | | | 8.26.10 | 1109 | | | | |
| | SP106 | | 6 | | | | | | | | | | 8.26.10 | 1109 | | | | |
| | SP107 | | 7 | | | | | | | | | | 8.26.10 | 1109 | | | | |
| | SP108 | | 8 | | | | | | | | | | 8.26.10 | 1130 | | | | |

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Relinquished By: _____ Date: **8.29.10** Time: _____
 Received By: _____ Date: **8.29.10** Time: **11:50**
 Delivered By: (Circle One) **W.C. Brunson**
 Sampler - UPS - Bus - Other: **2.900**
 Sample Condition: Intact Cool Yes No
 CHECKED BY: _____ (Initials)

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

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

From: [Bratcher, Mike, EMNRD](#)
To: [Cliff Brunson](#)
Cc: [Patterson, Heather, EMNRD](#); [Casey Summers](#); [Jennifer_Duarte@oxy.com](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: RE: OXY - Federal 12 #001 South CTB - Remediation Plan
Date: Wednesday, September 28, 2016 3:55:47 PM

RE: OXY USA * Fed 12 1 South CTB * **2RP-3837** * DOR: 8/5/16

Cliff,

Your proposal for remediation of the above referenced release is approved. Please advise once remedial activities have been scheduled. Federal sites require like approval from BLM.

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

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Friday, September 23, 2016 11:13 AM
To: Bratcher, Mike, EMNRD
Cc: Patterson, Heather, EMNRD; Casey Summers; Jennifer_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY - Federal 12 #001 South CTB - Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the OXY Federal 12 #001 South CTB release. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you would please reply back via e-mail with your concurrence on this plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
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E-Mail: cbrunson@bbcinternational.com



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From: [Tucker, Shelly](#)
To: [Cliff Brunson](#)
Cc: [Casey Summers](#); [Jennifer Duarte@oxy.com](mailto:Jennifer_Duarte@oxy.com); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: Re: OXY - Federal 12 #001 South CTB - Remediation Plan
Date: Tuesday, October 4, 2016 2:28:02 PM

BLM accepts your work plan as written.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist
Bureau of Land Management

620 E. Greene St
Carlsbad, NM 88220

575.234.5905 - Direct
575.361.0084 - Cellular

stucker@blm.gov



The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Fri, Sep 23, 2016 at 11:13 AM, Cliff Brunson <cbrunson@bbcinternational.com> wrote:

Shelly,

I have attached a remediation plan for the Oxy Federal 12 #001 South CTB release. This

plan has been approved by Mike Bratcher of the NMOCD. Oxy is requesting the BLM's approval of this plan as well. Upon your review of the materials, it would be appreciated if you would respond via email with the BLM's approval.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

BBC International, Inc.

World-Wide Environmental Specialists

Mailing Address:

P. O. Box 805

Hobbs, NM 88241-0805 USA

Shipping Address:

1324 W. Marland St.

Hobbs, NM 88240 USA

Phone: (575) 397-6388

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