# **Closure Report**

| Site Description   |                              |  |  |  |  |  |  |  |
|--------------------|------------------------------|--|--|--|--|--|--|--|
| Site Name:         | Lost Tank 3 Federal #21      |  |  |  |  |  |  |  |
| Company:           | Oxy Permian Ltd.             |  |  |  |  |  |  |  |
| Legal Description: | U/L E, Section 3, T22S, R31E |  |  |  |  |  |  |  |
| County:            | Eddy County, NM              |  |  |  |  |  |  |  |
| GPS Coordinates:   | N 32.42074° W 103.77336°     |  |  |  |  |  |  |  |

| Release Data       |                                    |  |  |  |  |  |  |  |  |
|--------------------|------------------------------------|--|--|--|--|--|--|--|--|
| Date of Release:   | 05/03/2016                         |  |  |  |  |  |  |  |  |
| Type of Release:   | Oil and produced water             |  |  |  |  |  |  |  |  |
| Source of Release: | Stuffing box blow out              |  |  |  |  |  |  |  |  |
| Volume of Release: | 15 bbls oil, 5 bbls produced water |  |  |  |  |  |  |  |  |
| Volume Recovered:  | 14 bbls                            |  |  |  |  |  |  |  |  |

| Remediation Specifications |  |   |  |  |  |  |  |  |  |
|----------------------------|--|---|--|--|--|--|--|--|--|
| Remediation<br>Parameters: | Excavate to a depth of 3 feet in the area of SP1. Excavate to a depth of 1 foot at SP2 and take a re-sample at 4 feet. No excavation around SP3, but take a re-sample at 4 feet. Excavate to a depth of 1 foot in the areas of SP4, SP5, & SP6. Backfill the site with clean soil. |   |  |  |  |  |  |  |  |
| Remediation Activities:    | 09/05/2016 to 1  | 0/10/2016                                 |  |  |  |  |  |  |  |
| Plan Sent to OCD:          | 08/26/2016   | Email from Cliff Brunson to Mike Bratcher |  |  |  |  |  |  |  |
| OCD Approval of Plan:      | 09/02/2016   | Email from Mike Bratcher to Cliff Brunson |  |  |  |  |  |  |  |
| Plan Sent to BLM:          | lan Sent to BLM: 08/26/2016 Email from Cliff Brunson to Shelly Tucker  |   |  |  |  |  |  |  |  |
| BLM Approval of Plan:      | 08/29/2016   | Email from Shelly Tucker to Cliff Brunson |  |  |  |  |  |  |  |

| Supporting Documentation |  |  |  |  |  |  |  |
|--------------------------|--|--|--|--|--|--|--|
| Initial C-141            | Signed 05/16/2016                                  |  |  |  |  |  |  |
| Final C-141              | Signed 10/12/2016                                  |  |  |  |  |  |  |
| Site Diagram             | May 2016   |  |  |  |  |  |  |
| Groundwater Plot         | 150'   |  |  |  |  |  |  |
| TOPO Maps                | May 2016   |  |  |  |  |  |  |
| Lab Summary              | 05/18/2016 and 10/07/2016                          |  |  |  |  |  |  |
| Lab Analysis             | 05/18/2016 and 10/01/2016                          |  |  |  |  |  |  |
| 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. 10/17/2016

<u>District I</u> 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**

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

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

Form C-141 Revised August 8, 2011

| Release Notification and Corrective Action |  |                                |                        |                                    |                     |   |   |                                     |                     |                          |                         |               |
|--|--|--------------------------------|------------------------|------------------------------------|---------------------|---|---|-------------------------------------|---------------------|--------------------------|-------------------------|---------------|
|  |  |                                |                        |                                    |                     | <b>OPERA</b>                              | ΓOR                                       | ⊠ I                                 | nitial R            | Report                   | ☐ Fir                   | nal Repor     |
|  | Name of Company Oxy Permian Ltd.  Address 6 Desta Drive, Midland, TX 79705 |                                |                        |                                    |                     |   | Casey Summers                             | 0200                                |                     |                          |                         |               |
| Address (<br>Facility Nat                  |  | Tank 3 Fede                    |                        | 705                                |                     | Telephone N<br>Facility Typ               |   | -8289                               |                     |                          |                         |               |
|  |  |                                |                        | 134116                             |                     | rueinty ryp                               | - 11011                                   | 4 757                               |                     | 20.015                   | 25050                   |               |
| Surface Ow                                 | ner State  | 8                              |                        | Mineral C                          | )wner               |   |   | API                                 | No.                 | 30-015-3                 | 37920                   |               |
|  |  |                                |                        |                                    |                     | N OF REI                                  | LEASE                                     |                                     | <del></del>         |                          |                         |               |
| Unit Letter                                | Section  | Township                       | Range                  | Feet from the                      | North               | /South Line                               | Feet from the                             | East/West Li                        | ne Co               | ounty                    |                         |               |
| E  | 3  | 22S                            | 31E                    |                                    |                     |   |   |                                     | Ed                  | ddy Coun                 | ty, NM                  |               |
|  |  |                                | ]                      | Latitude N 32.4                    | 2074°               | Longitu                                   | de W 103.7733                             | 6°                                  |                     |                          |                         |               |
|  |  |                                |                        |                                    |                     |   | ,   | -                                   |                     |                          |                         |               |
| Type of Rele                               | ase Oil ar   | nd produced v                  | vater                  | NAI                                | UKE                 | OF RELI                                   | Release 15 bbls                           | oil. Volu                           | ne Reco             | overed                   | 14 bbls                 |               |
|  |  |                                |                        |                                    |                     | 5 bbls prod                               | luced water                               |                                     |                     |                          |                         |               |
| Source of Re<br>the wellhead               |  |                                | aused the              | stuffing box pack                  | cing on             | Date and H<br>05/03/2016                  | lour of Occurrenc                         | e Date                              | and Hou             | ur of Disc               | overy                   |               |
| Was Immedia                                |  | iven?                          |                        |                                    |                     | If YES, To                                | Whom?                                     |                                     |                     |                          |                         |               |
|  |  |                                |                        | No Not Re                          | equired             |   | her, Heather Patt                         | erson- NMOCI                        | D, Shell            | y Tucker-                | BLM                     |               |
| By Whom?<br>Was a Water                    |  | vis, BBC Inte                  | rnational              |                                    |                     | Date and H                                |   | 6 @ 4:01 pm                         |                     |                          |                         |               |
| Was a Water                                | course Neac  |                                | Yes 🗵                  | No                                 |                     | If YES, Volume Impacting the Watercourse. |   |                                     |                     |                          |                         |               |
| If a Watercou                              | irse was Im  | pacted, Descri                 | be Fully.              | <b>*</b>                           |                     | 1   |   |                                     | 1816                |                          |                         |               |
|  |  |                                | _                      |                                    |                     |   |   |                                     |                     |                          |                         |               |
|  |  |                                |                        |                                    |                     |   |   |                                     |                     |                          |                         |               |
| D 11 0                                     | 65 11  | 1.0                            | P. A                   | P99 6 at-                          |                     |   | 142                                       | 4,389                               |                     |                          |                         |               |
| Describe Cau                               | ise of Proble  | m and Reme                     | nal Actio              | n Taken,*                          |                     |   |   |                                     |                     |                          |                         |               |
|  |  |                                |                        | on the wellhead t                  |                     | out 15 bbls of                            | oil and 5 bbls of                         | produced wate                       | r onto k            | ocation.                 | A vacuum                | truck         |
| recovered 14                               | bbis of flute  | is and the stu                 | iling box j            | packing was repla                  | iced.               |   |   |                                     |                     |                          |                         |               |
| Describe Are                               | a Affected a   | ind Cleanup A                  | Action Tak             | cen.*                              |                     |   |   |                                     |                     |                          |                         |               |
| The affected                               | area is appr   | oximately 175                  | i' x 150' v            | with most of the le                | eak stavi           | ing on locatio                            | n. Remediation v                          | vill be complete                    | ed in acc           | cordance                 | with a ren              | nediation     |
| plan approve                               |  |                                |                        |                                    | oun oug             | ing on location                           | iii kaliiaajaijaii v                      | viii oo compiet                     | DG 111 MC           | cordunce                 | witti                   | Caration      |
| I hereby certi                             | fy that the i  | nformation gi                  | ven ahove              | is true and comp                   | lete to t           | he hest of my                             | knowledge and u                           | nderstand that                      | DUTSHAN             | it to NMC                | CD rules                | and           |
| regulations al                             | operators  | are required to                | report ar              | nd/or file certain r               | elease n            | otifications ar                           | nd perform correc                         | tive actions for                    | release             | s which r                | nay endan               | ger           |
|  |  |                                |                        | ce of a C-141 repo                 |                     |   |   |                                     |                     |                          |                         |               |
| or the enviro                              | operations n<br>nment. In a  | ave raned to a<br>ddition, NMO | idequatery<br>CD accen | investigate and rotance of a C-141 | emediai<br>report d | e contaminati<br>loes not reliev          | on that pose a thr<br>e the operator of i | eat to ground v<br>responsibility f | ater, su<br>or comp | irtace wat<br>iliance wi | er, numan<br>th anv oth | nealth<br>ier |
|  |  | vs and or regu                 |                        |                                    |                     |   |   |                                     |                     |                          |                         |               |
|  | A  | / \                            |                        |                                    |                     |   | OIL CON:                                  | SERVATIO                            | N DI                | VISIO                    | <u>N</u>                |               |
| Signature:                                 |  |                                |                        |                                    |                     |   |   |                                     |                     |                          |                         |               |
| Printed Name                               | . Caray  | Summers                        |                        |                                    |                     | Approved by                               | Environmental S                           | pecialist:                          |                     |                          |                         |               |
|  |  |                                |                        |                                    |                     |   |   |                                     |                     |                          |                         |               |
| Title: NM                                  | Environmer   | ital Advisor                   |                        |                                    | -                   | Approval Dat                              | e:  | Expirat                             | ion Date            | e:                       |                         |               |
| E-mail Addre                               |  | /.Summers@c                    | oxy.com                |                                    |                     | Conditions of                             | Approval:                                 |                                     |                     | Attached                 | П                       |               |
| Date:                                      | 5-16   | -14                            | Phone:                 | (575) 513-828                      | 19                  |   |   |                                     |                     |                          |                         |               |

Phone: (575) 513-8289

<sup>\*</sup> Attach Additional Sheets If Necessary

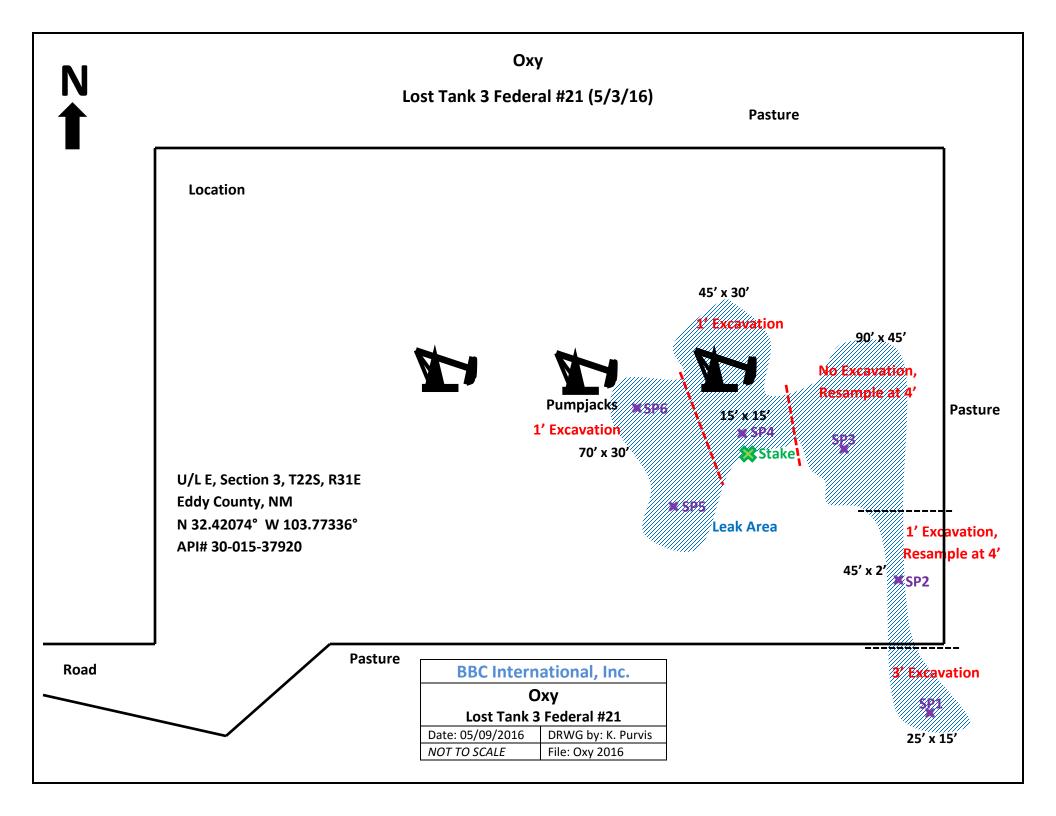
<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

### State of New Mexico **Energy Minerals and Natural Resources**

Form C-141 Revised August 8, 2011 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

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

|                 |   |   | Kele                   | ease Notific        | catioi        | n and Co              | orrective A                 | ction       | 1             |              |             |               |
|-----------------|---|---|------------------------|---------------------|---------------|-----------------------|-----------------------------|-------------|---------------|--------------|-------------|---------------|
|                 |   |   |                        |                     |               | OPERA'                | ГOR                         |             | ☐ Initia      | al Report    | $\boxtimes$ | Final Repo    |
| Name of Co      |   | Oxy Permia                              |                        |                     |               | Contact Casey Summers |                             |             |               |              |             |               |
|                 |   | 94, Houston                             |                        | 10                  |               | Telephone I           |                             | -8289       |               |              |             |               |
| Facility Nan    | ne Lost   | Tank 3 Fede                             | eral #21               |                     |               | Facility Typ          | e Well                      |             |               |              |             |               |
| Surface Ow      | Surface Owner State Mineral Own                                   |   |                        |                     |               |                       |                             |             | API No        | . 30-015     | -3792       | 20            |
|                 |   |   |                        | LOCA                | TIO           | N OF REI              | LEASE                       |             |               |              |             |               |
| Unit Letter     | Section   | Township                                | Range                  | Feet from the       | North         | South Line            | Feet from the               | East/\      | West Line     | County       |             |               |
| E               | 3   | 22S                                     | 31E                    |                     |               |                       |                             |             |               | Eddy Cou     | nty, N      | IM            |
|                 |   |   | 1                      | Latitude N 32.4     | 2074°         | Longitu               | de <u>W_103.7733</u> (      | 5°          |               |              |             | •             |
|                 |   |   |                        | NAT                 | URE           | OF REL                | EASE                        |             |               |              |             |               |
| Type of Relea   | ase Oil a   | nd produced v                           | vater                  |                     |               |                       | Release 15 bbls luced water | oil,        | Volume F      | Recovered    | 14 bt       | bls           |
| Source of Rel   |   |   | aused the              | stuffing box pack   | ing on        |                       | lour of Occurrenc           | e           | Date and      | Hour of Dis  | cover       | у             |
| Was Immedia     |   |   |                        |                     |               | If YES, To            |                             |             |               |              |             |               |
|                 |   | ×                                       |                        | No Not Re           | equired       |                       | cher, Heather Patte         | erson- N    | NMOCD, S      | helly Tucke  | r- BL!      | M             |
| By Whom?        |   | vis, BBC Inte                           | rnational              |                     |               | Date and H            |                             |             |               |              |             |               |
| Was a Watero    | course Read   |   | Yes 🗵                  | No                  |               | If YES, Vo            | olume Impacting t           | he Wate     | ercourse.     |              |             |               |
| If a Watercou   | rse was Im  | nacted Descr                            | ibe Fully <sup>3</sup> |                     |               |                       |                             |             |               |              |             |               |
|                 |   | pactod, Doset                           | oo i diiy.             |                     |               |                       |                             |             |               |              |             |               |
|                 |   |   |                        |                     |               |                       |                             |             |               |              |             |               |
|                 |   |   |                        |                     |               |                       |                             |             |               |              |             |               |
| Describe Cau    | se of Proble  | em and Reme                             | dial Actio             | n Taken.*           |               |                       |                             |             |               |              |             | - X           |
| Evenes pressu   | re caused t   | ke stuffina bo                          | v nackina              | on the wellhead t   | o blow        | out 15 bbls of        | oil and 5 bbls of           | produc      | ad water on   | to location  | A 112       | auum tenak    |
|                 |   |   |                        | packing was repla   |               | Out 15 obta of        | on and 5 bots of            | product     | ed water on   | io iocation. | A Val       | Cuulii uuck   |
|                 |   |   |                        | 2 174               |               |                       | 100                         |             |               |              |             |               |
| Describe Area   | a Affected a  | and Cleanup A                           | Action Tak             | ten.*               |               |                       |                             |             |               |              |             |               |
| The affected a  | area is appr  | oximately 17:                           | 5" x 150" v            | vith most of the le | ak stayi      | ing on locatio        | n. Remediation w            | vas com     | pleted in ac  | cordance w   | ith the     | e remediation |
|                 |   |   |                        |                     |               |                       | Shelly Tucker of            |             |               |              |             |               |
| I hereby certi  | fy that the i   | nformation of                           | ven above              | is true and comp    | lata to t     | ha bact of my         | knowledge and u             | ndoreto     | nd that murr  | want to NIM  | OCD         | miles and     |
|                 |   |   |                        |                     |               |                       | nd perform correc           |             |               |              |             |               |
| public health   | or the envir  | ronment. The                            | acceptano              | e of a C-141 repo   | ort by th     | e NMOCD m             | arked as "Final Re          | eport" d    | loes not reli | eve the ope  | rator o     | of liability  |
| should their o  | perations h   | ave failed to a                         | idequately             | investigate and re  | emediat       | e contaminati         | on that pose a thre         | eat to gi   | round water   | , surface wa | iter, hi    | uman health   |
| federal, state. | or local lay  | vs and/or rem                           | OD accept              | tance of a C-141    | report d      | oes not reliev        | e the operator of r         | espons      | ibility for c | ompliance v  | vith an     | ny other      |
| Toolius, Statos |   | - I I I I I I I I I I I I I I I I I I I |                        |                     | T             |                       | OIL CONS                    | SERV        | ATION         | DIVISIO      | )N          |               |
|                 | 11  |   |                        |                     | 1             |                       | 012 00111                   | <del></del> |               | DIVIDIO      |             |               |
| Signature:      | Signature:  |   |                        |                     |               |                       |                             |             |               |              |             |               |
| Printed Name    | Printed Name: Casey Summers Approved by Environmental Specialist: |   |                        |                     |               |                       |                             |             |               |              |             |               |
| Title: NM       | Title: NM Environmental Advisor Approval Date: Expiration Date:   |   |                        |                     |               |                       |                             |             |               |              |             |               |
| E-mail Addre    | cs: Caca  | v.Summers@c                             | nxv com                |                     | T             | Conditions of         | Approval:                   |             |               |              |             |               |
| E mail route    | 10  | 0 !                                     | A PROVIDE              |                     | $\overline{}$ | CONGRIOUS UI          | Approval,                   |             |               | Attached     |             |               |
| Date:           | 10-   | 12 14                                   | Phone                  | (575) 513-828       | 9             |                       |                             |             |               |              |             |               |
| Attach Addit    | ional Shee  | ets If Necess                           | агу                    |                     |               |                       |                             |             |               | 125          | -37         |               |



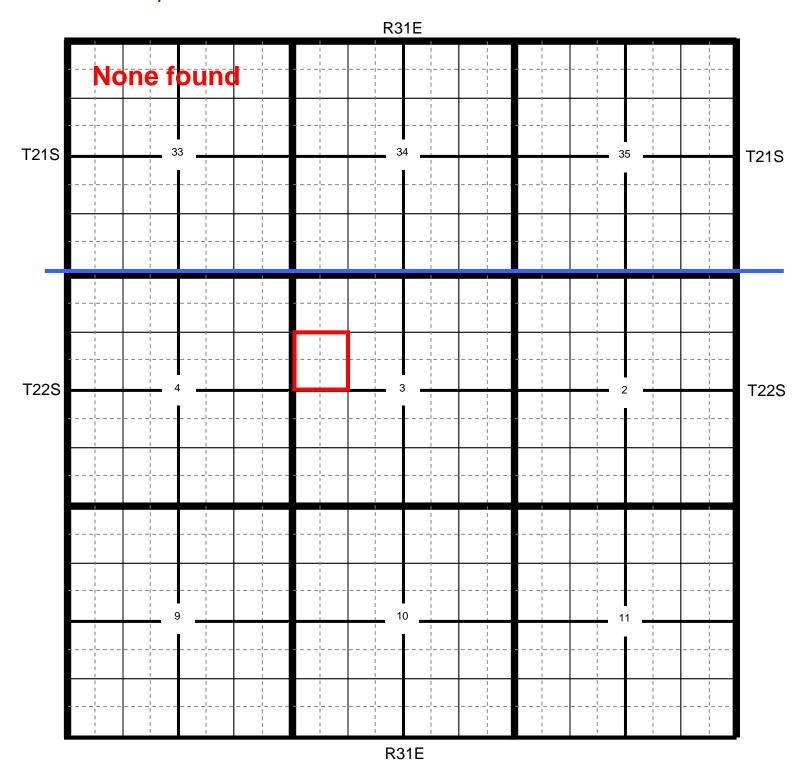


## **Groundwater Plot**

# Oxy Lost Tank 3 Federal #21

CountyUnit LetterSectionTownshipRangeEddyE322S31E

Trend Map 150'

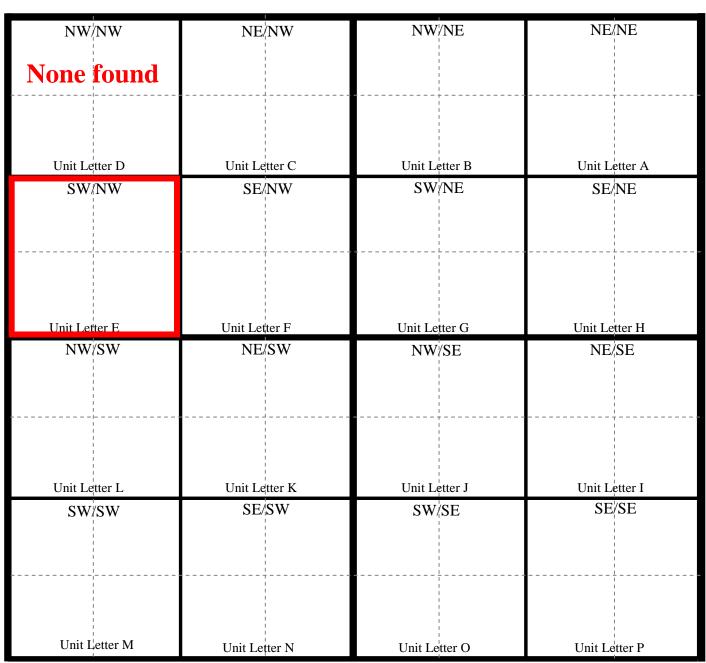


## Oxy Lost Tank 3 Federal #21

CountyUnit LetterSectionTownshipRangeEddyE322S31E

Trend Map 150'

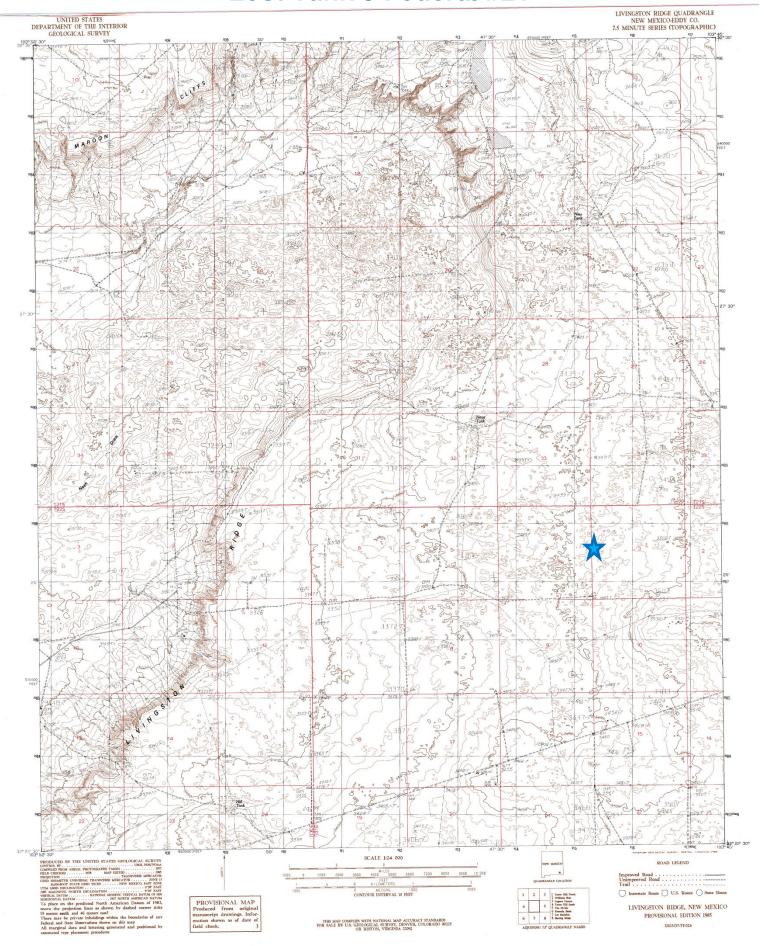
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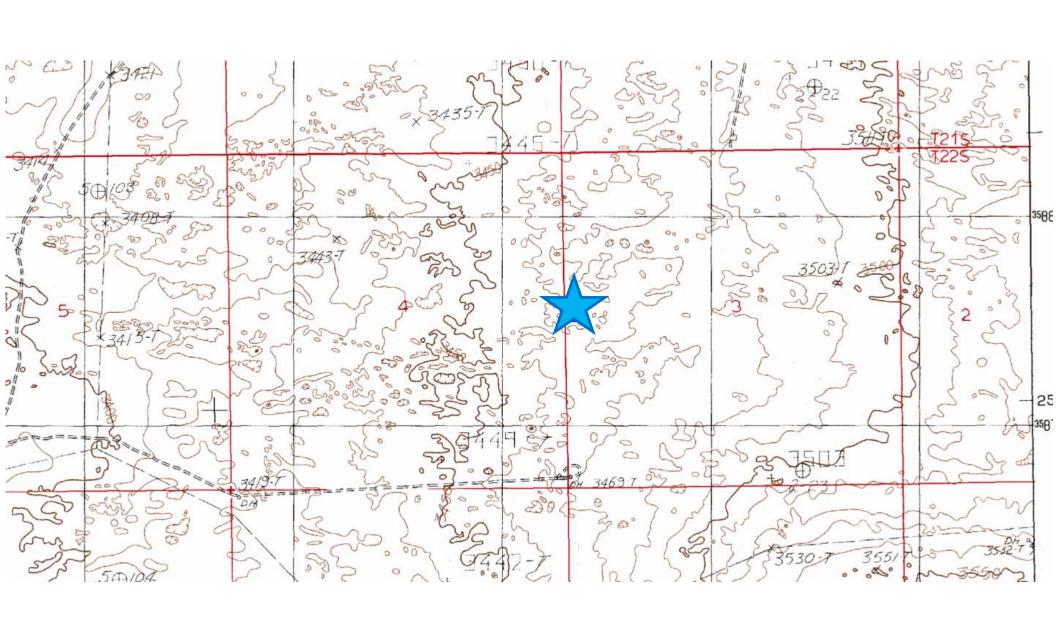
3

# Oxy

# Lost Tank 3 Federal #21



# Oxy Lost Tank 3 Federal #21



### Laboratory Analytical Results Summary Lost Tank 3 Fed #21

|                      |            | Sample | SP1 @ 1' | SP1 @ 3' | SP1 @ 5' | SP1 @ 6' |
|----------------------|------------|--------|----------|----------|----------|----------|
| Analyte              | Method     | Date   | 5/18/16  | 5/18/16  | 5/18/16  | 5/18/16  |
|                      |            |        | mg/Kg    | mg/Kg    | mg/Kg    | mg/Kg    |
| Benzene              | BTEX 8021B |        | <0.500   | < 0.050  | n/a      | n/a      |
| Toluene              | BTEX 8021B |        | 1.05     | < 0.050  | n/a      | n/a      |
| Ethylbenzene         | BTEX 8021B |        | 2.32     | < 0.050  | n/a      | n/a      |
| <b>Total Xylenes</b> | BTEX 8021B |        | 11       | < 0.150  | n/a      | n/a      |
| Total BTEX           | BTEX 8021B |        | 14.4     | < 0.300  | n/a      | n/a      |
| Chloride             | SM4500CI-B |        | 6800     | 7460     | 244      | 208      |
| GRO                  | TPH 8015M  |        | 699      | <10.0    | n/a      | n/a      |
| DRO                  | TPH 8015M  |        | 4610     | 72.2     | n/a      | n/a      |

|                      |            | Sample | SP2 @ 1' | SP2 @ 3' | SP2 @ 4' | SP2 @ 5' |
|----------------------|------------|--------|----------|----------|----------|----------|
| Analyte              | Method     | Date   | 5/18/16  | 5/18/16  | 5/18/16  | 5/18/16  |
|                      |            |        | 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 |        | < 0.050  | < 0.050  | n/a      | n/a      |
| <b>Total Xylenes</b> | BTEX 8021B |        | <0.150   | < 0.150  | n/a      | n/a      |
| Total BTEX           | BTEX 8021B |        | < 0.300  | < 0.300  | n/a      | n/a      |
| Chloride             | SM4500CI-B |        | 5680     | 32       | 3600     | 32       |
| GRO                  | TPH 8015M  |        | <10.0    | <10.0    | n/a      | n/a      |
| DRO                  | TPH 8015M  |        | 16.9     | <10.0    | n/a      | n/a      |

|                      |            | Sample | SP3 @ 1' | SP3 @ 3' | SP3 @ 4' | SP3 @ 5' |
|----------------------|------------|--------|----------|----------|----------|----------|
| Analyte              | Method     | Date   | 5/18/16  | 5/18/16  | 5/18/16  | 5/18/16  |
|                      |            |        | 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 |        | < 0.050  | < 0.050  | n/a      | n/a      |
| <b>Total Xylenes</b> | BTEX 8021B |        | < 0.150  | < 0.150  | n/a      | n/a      |
| Total BTEX           | BTEX 8021B |        | < 0.300  | < 0.300  | n/a      | n/a      |
| Chloride             | SM4500CI-B |        | 192      | 64       | 3520     | 32       |
| GRO                  | TPH 8015M  |        | <10.0    | <10.0    | n/a      | n/a      |
| DRO                  | TPH 8015M  |        | <10.0    | <10.0    | n/a      | n/a      |

|                   |           | Sample | SP4 @ 1' | SP4 @ 2' | SP4 @ 3' |
|-------------------|-----------|--------|----------|----------|----------|
| Analyte           | Method    | Date   | 5/18/16  | 5/18/16  | 5/18/16  |
|                   |           |        | mg/Kg    | mg/Kg    | mg/Kg    |
| Benzene           | BTEX 802  | 1B     | < 0.050  | < 0.050  | n/a      |
| Toluene           | BTEX 802  | 1B     | < 0.050  | < 0.050  | n/a      |
| Ethylbenz         | BTEX 802  | 1B     | < 0.050  | < 0.050  | n/a      |
| <b>Total Xyle</b> | BTEX 802  | 1B     | < 0.150  | < 0.150  | n/a      |
| Total BTE         | BTEX 802  | 1B     | < 0.300  | < 0.300  | n/a      |
| Chloride          | SM4500CI- | -B     | 624      | 16       | 32       |
| GRO               | TPH 8015  | И      | <10.0    | <10.0    | n/a      |
| DRO               | TPH 8015  | И      | <10.0    | <10.0    | n/a      |

|                   |           | Sample | SP5 @ 1' | SP5 @ 2' | SP5 @ 3' |
|-------------------|-----------|--------|----------|----------|----------|
| Analyte           | Method    | Date   | 5/18/16  | 5/18/16  | 5/18/16  |
|                   |           |        | mg/Kg    | mg/Kg    | mg/Kg    |
| Benzene           | BTEX 802  | IB     | < 0.050  | < 0.050  | n/a      |
| Toluene           | BTEX 802  | IB     | < 0.050  | < 0.050  | n/a      |
| Ethylbenz         | BTEX 802  | IB     | < 0.050  | < 0.050  | n/a      |
| <b>Total Xyle</b> | BTEX 802  | IB     | < 0.150  | < 0.150  | n/a      |
| Total BTE         | BTEX 802  | IB     | < 0.300  | < 0.300  | n/a      |
| Chloride          | SM4500CI- | В      | 2920     | 16       | 32       |
| GRO               | TPH 8015  | Л      | <10.0    | <10.0    | n/a      |
| DRO               | TPH 8015  | Л      | <10.0    | <10.0    | n/a      |

|            |           | Sample | SP6 @ 1' | SP6 @ 2' | SP6 @ 3' |
|------------|-----------|--------|----------|----------|----------|
| Analyte    | Method    | Date   | 5/18/16  | 5/18/16  | 5/18/16  |
|            |           |        | mg/Kg    | mg/Kg    | mg/Kg    |
| Benzene    | BTEX 802  | 1B     | < 0.050  | < 0.050  | n/a      |
| Toluene    | BTEX 802  | 1B     | < 0.050  | < 0.050  | n/a      |
| Ethylbenz  | BTEX 802  | 1B     | < 0.050  | < 0.050  | n/a      |
| Total Xyle | BTEX 802  | 1B     | < 0.150  | < 0.150  | n/a      |
| Total BTE  | BTEX 802  | 1B     | < 0.300  | < 0.300  | n/a      |
| Chloride   | SM4500CI- | -B     | 4960     | 16       | 32       |
| GRO        | TPH 8015  | M      | <10.0    | <10.0    | n/a      |
| DRO        | TPH 8015  | И      | 10.9     | <10.0    | n/a      |

### Laboratory Analytical Results Summary Lost Tank 3 Federal #21

| Confirmation |            | Sample | SP2 @ 4' |
|--------------|------------|--------|----------|
| Analyte      | Method     | Date   | 10/7/16  |
|              |            |        | mg/Kg    |
| Chloride     | SM4500CI-B |        | 112      |

| Confirmation |            | Sample | SP3 @ 4' |
|--------------|------------|--------|----------|
| Analyte      | Method     | Date   | 10/7/16  |
|              |            |        | mg/Kg    |
| Chloride     | SM4500CI-B |        | 112      |



May 26, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LOST TANK 3 FEDERAL #21

Enclosed are the results of analyses for samples received by the laboratory on 05/20/16 11:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keine

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



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/20/2016 Sampling Date: 05/18/2016

Reported: 05/26/2016 Sampling Type: Soil

Project Name: LOST TANK 3 FEDERAL #21 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

### Sample ID: SP 1 @ 1' (H601105-01)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.500 | 0.500           | 05/20/2016 | ND           | 1.79 | 89.4       | 2.00          | 1.76 |           |
| Toluene*                             | 1.05   | 0.500           | 05/20/2016 | ND           | 1.72 | 86.0       | 2.00          | 2.15 |           |
| Ethylbenzene*                        | 2.32   | 0.500           | 05/20/2016 | ND           | 1.55 | 77.7       | 2.00          | 1.46 |           |
| Total Xylenes*                       | 11.0   | 1.50            | 05/20/2016 | ND           | 4.93 | 82.1       | 6.00          | 1.55 |           |
| Total BTEX                           | 14.4   | 3.00            | 05/20/2016 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113 9  | % 73.6-14       | 0          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg             | Analyze    | d By: AP     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 6800   | 16.0            | 05/23/2016 | ND           | 432  | 108        | 400           | 3.77 | QM-07     |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      | S-06      |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | 699    | 50.0            | 05/20/2016 | ND           | 188  | 94.2       | 200           | 1.60 |           |
| DRO >C10-C28                         | 4610   | 50.0            | 05/20/2016 | ND           | 208  | 104        | 200           | 4.73 |           |
| Surrogate: 1-Chlorooctane            | 153 9  | % 35-147        | 7          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 160 9  | % 28-171        |            |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/20/2016 Sampling Date: 05/18/2016

Reported: 05/26/2016 Sampling Type: Soil

Project Name: LOST TANK 3 FEDERAL #21 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: OXY

### Sample ID: SP 1 @ 3' (H601105-02)

| BTEX 8021B                           | mg/kg  |                 | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 05/20/2016 | ND           | 1.79 | 89.4       | 2.00          | 1.76 |           |
| Toluene*                             | <0.050 | 0.050           | 05/20/2016 | ND           | 1.72 | 86.0       | 2.00          | 2.15 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 05/20/2016 | ND           | 1.55 | 77.7       | 2.00          | 1.46 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 05/20/2016 | ND           | 4.93 | 82.1       | 6.00          | 1.55 |           |
| Total BTEX                           | <0.300 | 0.300           | 05/20/2016 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 99.9   | % 73.6-14       | 0          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyze    | d By: AP     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 7460   | 16.0            | 05/23/2016 | ND           | 432  | 108        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 05/20/2016 | ND           | 188  | 94.2       | 200           | 1.60 |           |
| DRO >C10-C28                         | 72.2   | 10.0            | 05/20/2016 | ND           | 208  | 104        | 200           | 4.73 |           |
| Surrogate: 1-Chlorooctane            | 90.9   | % 35-147        | 7          |              |      |            |               |      |           |
|                                      | 100 (  | 20.17           | ,          |              |      |            |               |      |           |

### 109 % 28-171 Surrogate: 1-Chlorooctadecane

### Sample ID: SP 1 @ 5' (H601105-03)

| Chloride, SM4500Cl-B mg/kg |        | Analyze         | d By: AP   |              |     |            |               |      |           |
|----------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                   | 224    | 16.0            | 05/23/2016 | ND           | 432 | 108        | 400           | 3.77 |           |

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/20/2016 Sampling Date: 05/18/2016

Reported: 05/26/2016 Sampling Type: Soil

Project Name: LOST TANK 3 FEDERAL #21 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

### Sample ID: SP 1 @ 6' (H601105-04)

| Chloride, SM4500Cl-B mg/kg |        |                 | Analyze    | d By: AP     |     |            |               |      |           |
|----------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                   | 208    | 16.0            | 05/23/2016 | ND           | 432 | 108        | 400           | 3.77 |           |
|                            |        |                 |            |              |     |            |               |      |           |

### Sample ID: SP 2 @ 1' (H601105-05)

| BTEX 8021B     | mg,    | 'kg             | Analyze    | d By: MS     |      |            |               |      |           |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/20/2016 | ND           | 1.79 | 89.4       | 2.00          | 1.76 |           |
| Toluene*       | <0.050 | 0.050           | 05/20/2016 | ND           | 1.72 | 86.0       | 2.00          | 2.15 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/20/2016 | ND           | 1.55 | 77.7       | 2.00          | 1.46 |           |
| Total Xylenes* | <0.150 | 0.150           | 05/20/2016 | ND           | 4.93 | 82.1       | 6.00          | 1.55 |           |
| Total BTEX     | <0.300 | 0.300           | 05/20/2016 | ND           |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID 100 % 73.6-140

| Chloride, SM4500Cl-B | mg     | mg/kg           |                 | d By: AP     |     |            |               |      |           |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 5680   | 16.0            | 05/23/2016      | ND           | 432 | 108        | 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            | 05/20/2016      | ND           | 188 | 94.2       | 200           | 1.60 |           |
|                      | 16.9   | 10.0            | 05/20/2016      | ND           | 208 | 104        | 200           | 4.73 |           |

Surrogate: 1-Chlorooctane 75.2 % 35-147
Surrogate: 1-Chlorooctadecane 98.5 % 28-171

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/20/2016 Sampling Date: 05/18/2016

Reported: 05/26/2016 Sampling Type: Soil

Project Name: LOST TANK 3 FEDERAL #21 Sampling Condition: Cool & Intact NONE GIVEN Sample Received By: Project Number: Jodi Henson

Project Location: OXY

### Sample ID: SP 2 @ 3' (H601105-06)

| BTEX 8021B                           | mg/     | kg              | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | < 0.050 | 0.050           | 05/20/2016 | ND           | 1.79 | 89.4       | 2.00          | 1.76 |           |
| Toluene*                             | <0.050  | 0.050           | 05/20/2016 | ND           | 1.72 | 86.0       | 2.00          | 2.15 |           |
| Ethylbenzene*                        | <0.050  | 0.050           | 05/20/2016 | ND           | 1.55 | 77.7       | 2.00          | 1.46 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 05/20/2016 | ND           | 4.93 | 82.1       | 6.00          | 1.55 |           |
| Total BTEX                           | <0.300  | 0.300           | 05/20/2016 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 99.7    | % 73.6-14       | 0          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/     | kg              | Analyze    | d By: AP     |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0    | 16.0            | 05/23/2016 | ND           | 432  | 108        | 400           | 3.77 |           |
| TPH 8015M                            | mg/     | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0   | 10.0            | 05/20/2016 | ND           | 188  | 94.2       | 200           | 1.60 |           |
| DRO >C10-C28                         | <10.0   | 10.0            | 05/20/2016 | ND           | 208  | 104        | 200           | 4.73 |           |
| Surrogate: 1-Chlorooctane            | 80.2 9  | % 35-147        | ,          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 98.7    | % 28-171        |            |              |      |            |               |      |           |

### Sample ID: SP 2 @ 4' (H601105-07)

| Chloride, SM4500CI-B | hloride, SM4500Cl-B mg/kg |                 | Analyze    | d By: AP     |     |            |               |      |           |
|----------------------|---------------------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result                    | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3600                      | 16.0            | 05/23/2016 | ND           | 432 | 108        | 400           | 3.77 |           |

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Keene



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/20/2016 Sampling Date: 05/18/2016

Reported: 05/26/2016 Sampling Type: Soil

Project Name: LOST TANK 3 FEDERAL #21 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: AP

Project Location: OXY

mg/kg

### Sample ID: SP 2 @ 5' (H601105-08)

Chloride, SM4500Cl-B

DRO >C10-C28

| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Chloride                             | 32.0   | 16.0            | 05/23/2016 | ND           | 432  | 108        | 400           | 3.77 |           |
| Sample ID: SP 3 @ 1' (H60110         | 5-09)  |                 |            |              |      |            |               |      |           |
| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 05/20/2016 | ND           | 1.79 | 89.4       | 2.00          | 1.76 |           |
| Toluene*                             | <0.050 | 0.050           | 05/20/2016 | ND           | 1.72 | 86.0       | 2.00          | 2.15 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 05/20/2016 | ND           | 1.55 | 77.7       | 2.00          | 1.46 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 05/20/2016 | ND           | 4.93 | 82.1       | 6.00          | 1.55 |           |
| Total BTEX                           | <0.300 | 0.300           | 05/20/2016 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.6   | % 73.6-14       | 0          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg             | Analyze    | d By: AP     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 192    | 16.0            | 05/23/2016 | ND           | 432  | 108        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | 'kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 05/20/2016 | ND           | 188  | 94.2       | 200           | 1.60 |           |

Surrogate: 1-Chlorooctane 81.9 % 35-147
Surrogate: 1-Chlorooctadecane 98.1 % 28-171

<10.0

10.0

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ND

208

104

200

4.73

05/20/2016

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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/20/2016 Sampling Date: 05/18/2016

Reported: 05/26/2016 Sampling Type: Soil

Project Name: LOST TANK 3 FEDERAL #21 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: OXY

ma/ka

### Sample ID: SP 3 @ 3' (H601105-10)

RTFY 8021R

| B1EX 8021B                           | mg/     | кд              | Anaiyze         | а ву: мѕ     |      |            |               |      |           |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 05/20/2016      | ND           | 1.79 | 89.4       | 2.00          | 1.76 |           |
| Toluene*                             | < 0.050 | 0.050           | 05/20/2016      | ND           | 1.72 | 86.0       | 2.00          | 2.15 |           |
| Ethylbenzene*                        | < 0.050 | 0.050           | 05/20/2016      | ND           | 1.55 | 77.7       | 2.00          | 1.46 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 05/20/2016      | ND           | 4.93 | 82.1       | 6.00          | 1.55 |           |
| Total BTEX                           | <0.300  | 0.300           | 05/20/2016      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.7 9  | 73.6-140        | )               |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/     | kg              | Analyzed By: AP |              |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 64.0    | 16.0            | 05/23/2016      | ND           | 432  | 108        | 400           | 3.77 |           |
| TPH 8015M                            | mg/     | kg              | Analyze         | d By: MS     |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0   | 10.0            | 05/20/2016      | ND           | 188  | 94.2       | 200           | 1.60 |           |
| DRO >C10-C28                         | <10.0   | 10.0            | 05/20/2016      | ND           | 208  | 104        | 200           | 4.73 |           |
| Surrogate: 1-Chlorooctane            | 83.9 9  | % 35-147        |                 |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 101 %   | 6 28-171        |                 |              |      |            |               |      |           |

### Sample ID: SP 3 @ 4' (H601105-11)

| Chloride, SM4500CI-B | mg/kg  |                 | Analyze    | d By: AP     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3520   | 16.0            | 05/23/2016 | ND           | 432 | 108        | 400           | 3.77 |           |

Cardinal Laboratories \*=Accredited Analyte

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/20/2016 Sampling Date: 05/18/2016

Reported: 05/26/2016 Sampling Type: Soil

Project Name: LOST TANK 3 FEDERAL #21 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

### Sample ID: SP 3 @ 5' (H601105-12)

| Chloride, SM4500Cl-B | I-B mg/kg |                 | Analyzed By: AP |              |     |            |               |      |           |
|----------------------|-----------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result    | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0      | 16.0            | 05/23/2016      | ND           | 432 | 108        | 400           | 3.77 |           |
|                      |           |                 |                 |              |     |            |               |      |           |

### Sample ID: SP 4 @ 1' (H601105-13)

| BTEX 8021B     | mg/kg Ana |                 | Analyze    | d By: MS     |      |            |               |      |           |
|----------------|-----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte        | Result    | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050    | 0.050           | 05/20/2016 | ND           | 1.79 | 89.4       | 2.00          | 1.76 |           |
| Toluene*       | <0.050    | 0.050           | 05/20/2016 | ND           | 1.72 | 86.0       | 2.00          | 2.15 |           |
| Ethylbenzene*  | <0.050    | 0.050           | 05/20/2016 | ND           | 1.55 | 77.7       | 2.00          | 1.46 |           |
| Total Xylenes* | <0.150    | 0.150           | 05/20/2016 | ND           | 4.93 | 82.1       | 6.00          | 1.55 |           |
| Total BTEX     | <0.300    | 0.300           | 05/20/2016 | ND           |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID 99.4 % 73.6-140

| Surrogate. 4-Bromojiuorovenzene (F1D | 99.4        | /0 /3.0-14      | U               |                 |     |            |               |      |           |
|--------------------------------------|-------------|-----------------|-----------------|-----------------|-----|------------|---------------|------|-----------|
| Chloride, SM4500Cl-B                 | mg/kg       |                 | Analyzed By: AP |                 |     |            |               |      |           |
| Analyte                              | Result      | Reporting Limit | Analyzed        | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 624         | 16.0            | 05/23/2016      | ND              | 432 | 108        | 400           | 3.77 |           |
| TPH 8015M                            | 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            | 05/20/2016      | ND              | 188 | 94.2       | 200           | 1.60 |           |
| DRO >C10-C28                         | <10.0       | 10.0            | 05/20/2016      | ND              | 208 | 104        | 200           | 4.73 |           |
| Surrogate: 1-Chlorooctane            | 77.7        | % 35-147        | 7               |                 |     |            |               |      |           |

Surrogate: 1-Chlorooctane 77.7 % 35-147
Surrogate: 1-Chlorooctadecane 96.4 % 28-171

Cardinal Laboratories \*=Accredited Analyte

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/20/2016 Sampling Date: 05/18/2016

Reported: 05/26/2016 Sampling Type: Soil

Project Name: LOST TANK 3 FEDERAL #21 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: OXY

ma/ka

### Sample ID: SP 4 @ 2' (H601105-14)

RTFY 8021R

| B1EX 8021B                           | mg/l   | kg              | Anaiyze         | а ву: мѕ     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 05/20/2016      | ND           | 1.79 | 89.4       | 2.00          | 1.76 |           |
| Toluene*                             | <0.050 | 0.050           | 05/20/2016      | ND           | 1.72 | 86.0       | 2.00          | 2.15 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 05/20/2016      | ND           | 1.55 | 77.7       | 2.00          | 1.46 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 05/20/2016      | ND           | 4.93 | 82.1       | 6.00          | 1.55 |           |
| Total BTEX                           | <0.300 | 0.300           | 05/20/2016      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 99.3 % | 6 73.6-140      | 9               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/l   | kg              | Analyzed By: AP |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 16.0   | 16.0            | 05/23/2016      | ND           | 432  | 108        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | kg              | Analyze         | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 05/20/2016      | ND           | 188  | 94.2       | 200           | 1.60 |           |
| DRO >C10-C28                         | <10.0  | 10.0            | 05/20/2016      | ND           | 208  | 104        | 200           | 4.73 |           |
| Surrogate: 1-Chlorooctane            | 81.8 % | 6 35-147        |                 |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 100 %  | 6 28-171        |                 |              |      |            |               |      |           |

### Sample ID: SP 4 @ 3' (H601105-15)

| Chloride, SM4500CI-B | mg/kg  |                 |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 05/23/2016 | ND              | 432 | 108        | 400           | 3.77 |           |

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/20/2016 Sampling Date: 05/18/2016

Reported: 05/26/2016 Sampling Type: Soil

Project Name: LOST TANK 3 FEDERAL #21 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

### Sample ID: SP 5 @ 1' (H601105-16)

| BTEX 8021B                           | mg/kg  |                 | Analyze    | Analyzed By: MS |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 05/20/2016 | ND              | 1.79 | 89.4       | 2.00          | 1.76 |           |
| Toluene*                             | <0.050 | 0.050           | 05/20/2016 | ND              | 1.72 | 86.0       | 2.00          | 2.15 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 05/20/2016 | ND              | 1.55 | 77.7       | 2.00          | 1.46 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 05/20/2016 | ND              | 4.93 | 82.1       | 6.00          | 1.55 |           |
| Total BTEX                           | <0.300 | 0.300           | 05/20/2016 | ND              |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.8   | % 73.6-14       | 0          |                 |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyze    | d By: AP        |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 2920   | 16.0            | 05/23/2016 | ND              | 432  | 108        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS        |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 05/20/2016 | ND              | 188  | 94.2       | 200           | 1.60 |           |
| DRO >C10-C28                         | <10.0  | 10.0            | 05/20/2016 | ND              | 208  | 104        | 200           | 4.73 |           |
| Surrogate: 1-Chlorooctane            | 75.9   | % 35-147        | ,          |                 |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 93.9   | % 28-171        |            |                 |      |            |               |      |           |

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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/20/2016 Sampling Date: 05/18/2016

Reported: 05/26/2016 Sampling Type: Soil

Project Name: LOST TANK 3 FEDERAL #21 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: OXY

ma/ka

### Sample ID: SP 5 @ 2' (H601105-17)

RTFY 8021R

| B1EX 8021B                           | mg/     | кд              | Anaiyze    | а ву: мѕ     |      |            |               |      |           |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 05/20/2016 | ND           | 1.79 | 89.4       | 2.00          | 1.76 |           |
| Toluene*                             | < 0.050 | 0.050           | 05/20/2016 | ND           | 1.72 | 86.0       | 2.00          | 2.15 |           |
| Ethylbenzene*                        | < 0.050 | 0.050           | 05/20/2016 | ND           | 1.55 | 77.7       | 2.00          | 1.46 |           |
| Total Xylenes*                       | < 0.150 | 0.150           | 05/20/2016 | ND           | 4.93 | 82.1       | 6.00          | 1.55 |           |
| Total BTEX                           | <0.300  | 0.300           | 05/20/2016 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 99.4 9  | 73.6-140        | 0          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/     | kg              | Analyze    | d By: AP     |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 16.0    | 16.0            | 05/23/2016 | ND           | 432  | 108        | 400           | 3.77 |           |
| TPH 8015M                            | mg/     | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0   | 10.0            | 05/20/2016 | ND           | 188  | 94.2       | 200           | 1.60 |           |
| DRO >C10-C28                         | <10.0   | 10.0            | 05/20/2016 | ND           | 208  | 104        | 200           | 4.73 |           |
| Surrogate: 1-Chlorooctane            | 84.9 9  | % 35-147        |            |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 114 %   | 6 28-171        |            |              |      |            |               |      |           |

### Sample ID: SP 5 @ 3' (H601105-18)

| Chloride, SM4500CI-B | mg/kg  |                 |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 05/23/2016 | ND              | 432 | 108        | 400           | 3.77 |           |

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/20/2016 Sampling Date: 05/18/2016

Reported: 05/26/2016 Sampling Type: Soil

Project Name: LOST TANK 3 FEDERAL #21 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

### Sample ID: SP 6 @ 1' (H601105-19)

| BTEX 8021B                           | mg/    | kg              | Analyze    | Analyzed By: MS |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 05/20/2016 | ND              | 1.79 | 89.4       | 2.00          | 1.76 |           |
| Toluene*                             | <0.050 | 0.050           | 05/20/2016 | ND              | 1.72 | 86.0       | 2.00          | 2.15 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 05/20/2016 | ND              | 1.55 | 77.7       | 2.00          | 1.46 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 05/20/2016 | ND              | 4.93 | 82.1       | 6.00          | 1.55 |           |
| Total BTEX                           | <0.300 | 0.300           | 05/20/2016 | ND              |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 99.9   | % 73.6-14       | 0          |                 |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AP        |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 4960   | 16.0            | 05/23/2016 | ND              | 432  | 108        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS        |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 05/20/2016 | ND              | 188  | 94.2       | 200           | 1.60 |           |
| DRO >C10-C28                         | 10.9   | 10.0            | 05/20/2016 | ND              | 208  | 104        | 200           | 4.73 |           |
| Surrogate: 1-Chlorooctane            | 81.75  | % 35-147        | 7          |                 |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 106 9  | 6 28-171        |            |                 |      |            |               |      |           |

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/20/2016 Sampling Date: 05/18/2016

Reported: 05/26/2016 Sampling Type: Soil

Project Name: LOST TANK 3 FEDERAL #21 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: OXY

ma/ka

### Sample ID: SP 6 @ 2' (H601105-20)

RTFY 8021R

| B1EX 8021B                           | mg/     | кд              | Anaiyze         | а ву: мѕ     |      |            |               |      |           |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 05/20/2016      | ND           | 1.79 | 89.4       | 2.00          | 1.76 |           |
| Toluene*                             | < 0.050 | 0.050           | 05/20/2016      | ND           | 1.72 | 86.0       | 2.00          | 2.15 |           |
| Ethylbenzene*                        | <0.050  | 0.050           | 05/20/2016      | ND           | 1.55 | 77.7       | 2.00          | 1.46 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 05/20/2016      | ND           | 4.93 | 82.1       | 6.00          | 1.55 |           |
| Total BTEX                           | <0.300  | 0.300           | 05/20/2016      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 99.7    | % 73.6-140      | 9               |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/     | kg              | Analyzed By: AP |              |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 16.0    | 16.0            | 05/23/2016      | ND           | 432  | 108        | 400           | 3.77 |           |
| TPH 8015M                            | mg/     | kg              | Analyze         | d By: MS     |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0   | 10.0            | 05/20/2016      | ND           | 188  | 94.2       | 200           | 1.60 |           |
| DRO >C10-C28                         | <10.0   | 10.0            | 05/20/2016      | ND           | 208  | 104        | 200           | 4.73 |           |
| Surrogate: 1-Chlorooctane            | 80.8 9  | % 35-147        |                 |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 106 %   | % 28-171        |                 |              |      |            |               |      |           |

### Sample ID: SP 6 @ 3' (H601105-21)

| Chloride, SM4500CI-B | mg/kg  |                 | Analyzed By: AP |              |     |            |               |      |           |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 05/23/2016      | ND           | 416 | 104        | 400           | 0.00 |           |

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### **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.

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

ecovery.

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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Celeg D. Freene

| Company Name:             | BBC International, Inc.   |            |         | 653923                          |           |           | 8//      | BILL TO           |                   |     |    |    |   | ANALYSIS | <u>is</u> | 낊   | REQUEST | ES       |          |          |        |   |   |
|---------------------------|---|------------|---------|---------------------------------|-----------|-----------|----------|-------------------|-------------------|-----|----|----|---|----------|-----------|-----|---------|----------|----------|----------|--------|---|---|
| Project Manager:          |   |            |         |                                 | P.O.      | #         |          |                   |                   |     |    |    |   |          |           |     | 7       | $\dashv$ | $\dashv$ | $\dashv$ | $\Box$ |   |   |
| Address: P.O. Box 805     | Box 805   |            |         | 0                               | Company:  | pany      | _        | asen              | 1                 |     |    |    | 0 |          |           |     |         |          |          |          | -      |   | - |
| city: Hobbs               | State: NM   | Zip:       |         | 88241                           | Attn:     |           |          | P                 |                   |     |    |    |   |          |           |     |         |          |          |          |        |   |   |
| Phone #: 575-397-6388     | 397-6388 Fax #: 575-397-0397  | 39         | 7-0     |                                 | Address:  | ess:      | 1        |                   |                   |     |    |    |   |          |           |     |         |          |          |          |        |   |   |
| Project #:                | Project Owner: Oxy  | 0          | 3       | 0                               | City:     |           |          |                   |                   |     |    |    |   |          |           |     |         |          |          | _        |        |   | - |
| Project Name:             | Lost Tank 3 Fed #21   |            |         | 10                              | State:    |           |          | Zip:              |                   |     |    |    |   |          |           | 1   |         |          |          |          |        |   | - |
| Project Location:         | H.  |            |         |                                 | Phone #:  | e#:       |          |                   |                   |     |    |    |   | h        |           |     |         |          |          |          |        |   |   |
| Sampler Name:             | Roger Hernandez   |            |         | 7                               | Fax #:    | •••       |          |                   |                   |     |    |    |   |          |           |     |         |          |          |          |        |   |   |
| FOR LAB USE ONLY          | 2   |            |         | MATRIX                          | PR        | PRESERV   | <b>₹</b> | SAMPLING          | IG                |     |    |    |   |          |           |     |         |          |          |          |        |   | - |
| Lab I.D.                  | Sample I.D.   | BOR (C)OMP | TAINERS |                                 | -         | OOL       | ₹:       |                   |                   |     | EX | H  |   |          |           | 0.1 |         |          |          |          |        |   |   |
| Hudilos                   |   | (G)RA      | # CON   | WAST<br>SOIL<br>OIL<br>SLUDO    | OTHEI     | ICE / C   | OTHE     | DATE              | TIME              | C   | B7 | TH |   |          |           |     |         |          |          |          |        |   |   |
| _                         | SP1 @1'   | 6          | -       |                                 |           | <         | _        | 5-18-16           | 9:15              | ^   | 1  | <  |   |          |           |     |         | 1        | $\dashv$ | $\dashv$ | _      |   |   |
|                           | SP1 @ 3'  | 0          | _       | <                               |           | <         |          | 5-18-16           | 9:50              | <   | <  | <  |   |          |           |     |         |          | -        |          |        | F |   |
| W                         | SP1 @ 5'  | 9          | -       | <                               | _         | 1         |          | 5-18-16           | 10:30             | <   |    |    |   |          |           |     |         |          |          |          |        |   |   |
|                           | SP1 @ 6'  | 9          | _       | <                               |           | <         |          | 5-18-16           | 10:40             | <   | 8  |    |   |          |           |     |         |          |          | -        |        |   |   |
| G                         | SP2 @ 1'  | 6          |         | <                               |           | 7         |          | 5-18-16           | 11:08             | <   | <  | <  |   |          |           |     |         |          |          |          |        |   | _ |
| 6                         | SP2 @ 3'  | 9          | -       | _                               |           | <         | -        | 5-18-16           | 11:41             | <   | <  | <  |   |          |           |     |         |          |          |          |        |   |   |
| 7                         | SP2 @ 4'  | 6          | _       | <                               |           | <         |          | 5-18-16           | 11:58             | <   |    |    |   |          |           |     |         |          | +        | +        |        |   |   |
| 8                         | SP2 @ 5'  | 9          | -       | <                               |           | <         | -        | 5-18-16           | 12:35             | <   |    |    |   |          |           |     |         |          | +        | -        |        |   | - |
| þ                         | SP3 @ 1'  | 9          | -       | <                               |           | <         | -        | 5-18-16 1         | 1:00              | <   | <  | <  |   |          |           |     |         |          | +        | +        |        |   |   |
| 0                         | SP3 @ 3'  | 0          | _       | <                               |           | <         |          | 5-18-16 1         | 1:18              | <   | ۲  | ۷. |   |          |           |     |         |          |          | $\vdash$ |        |   | - |
| PLEASE NOTE: Liability an | 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 the client for the | y claim    | arisir  | ng whether based in contract or | tort, sha | II be lim | ited to  | the amount paid t | by the client for | the |    |    |   |          | l         |     | I       | Ì        | ł        | ŀ        |        |   | • |

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-24/6 #54 Sample Condition
Cool Intact
Thes Thes
No No

ohi

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Relinquished By

Received By:

Relinquished By

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 30 days after completion of the applicable rervice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

red by client, its subsidiaries

Phone Result:
Fax Result:
REMARKS:

□ Yes

O No

Add'l Phone #: Add'l Fax #:

Received By:

Page 15 of 17



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name:   | e: BBC International Inc   |  |                             | -                         | -      | - 1      | ١      | - 1              |                 |                |          | اه              | 1               | 1  |  |          | l        |      | :   |                                |     |        |             |             |   | 1 |   |   | ]             |
|---|--|--|-----------------------------|---------------------------|--------|----------|--------|------------------|-----------------|----------------|----------|-----------------|-----------------|--|--|----------|----------|------|-----|--------------------------------|-----|--------|-------------|-------------|---|---|---|---|---------------|
| Project Manager:  |  |  |                             |                           |        |          |        |                  | P.O.            | 9              | #        | lt              | li              | OILL 10  |  | 4        | 1        | +    | 4   | ANALYSIS                       |     | KEQUES | Ĩ           | 72          | 1 |   | + | - | $\perp$       |
| Address: P.O  | P.O. Box 805   |  |                             |                           |        |          |        |                  | 0               | ĭ∣             | Company: |                 | 5               | 3 4 5  |  |          |          |      |     | _                              |     |        |             |             |   |   |   |   |               |
| city: Hobbs   | State: NM  | Zip:   |                             | 88241                     | 44     |          |        |                  | A               | Attn:          |          | ,               | 2               | 0504   |  |          |          |      |     |                                |     | _      |             |             |   |   | _ |   | _             |
| Phone #: 575-397-6388   | Fax #:   | 575-397-0397   | -03                         | 97                        |        |          |        |                  | A               | d              | Address: | **              | 1               | -  |  | _        | _        | _    | _   |                                |     |        |             |             |   |   |   |   |               |
| Project #:  | Project Owner: Oxy   | 0x   | ~                           |                           |        |          |        |                  | <u>Ω</u>        | City:          |          |                 |                 |  |  |          |          |      |     |                                |     |        |             |             |   |   |   |   |               |
| Project Name:   | Project Name: Lost Tank 3 Fed #21  |  |                             |                           |        |          |        |                  | t<br>St         | State:         |          |                 | N               | Zip:   |  |          |          |      | _   |                                |     |        |             |             |   |   | _ |   | _             |
| Project Location:   | n:   |  |                             |                           |        |          |        |                  | 무               | on             | Phone #: |                 |                 | ľ  |  | _        |          | _    |     |                                |     |        |             |             |   |   |   |   |               |
| Sampler Name:   | Roger Hernandez  |  |                             |                           |        |          |        |                  | Fa              | Fax #          | .        |                 |                 |  |  | _        |          |      |     |                                |     | _      |             |             |   |   |   |   |               |
| FOR LAB USE ONLY  |  |  | _                           |                           | _      | MATRIX   | 쯼      |                  | Г               | 뀨              | Ĩ.       | PRESERV         | ᅱ               | SAMPLING   | ଦ  |          |          | _    | _   | _                              |     |        |             |             |   |   |   | - |               |
| Lab I.D.  | Sample I.D.  | OR (C)OMP  | AINERS                      | IDWATER                   | WATER  |          |        | E                | :               | ASE:           | OOL      |                 |                 |  |  | 1        | EX       | PH   |     |                                |     | ·v     |             |             |   |   |   |   |               |
| Hubrids   |  | Charles and the latest and the lates | -                           |                           |        | SOIL     | OIL    | SLUDG            | OTHER           | ACID/B/        | CE/CC    | OTHER           |                 | DATE   | TIME   | <u>C</u> |          | //   | -   |                                |     |        |             |             |   |   |   |   |               |
| =   | SP3 @ 4'   |  |                             |                           |        |          |        |                  |                 |                |          | _               | -               |  | 1:25   | 7        | +        | +    | +   | +                              | +   | +      |             | T           | 4 |   | + | + | _             |
| 12  | SP3 @ 5'   |  | _                           |                           |        |          |        |                  |                 |                |          |                 | (J)             | 5-18-16 1  | 1:35   |          | +        | +    | +   | +                              | +   | _      |             |             | _ |   | + | + |               |
| 13  | SP4 @ 1'   |  | _                           |                           |        |          |        |                  |                 |                |          |                 | 5               | 5-18-16 1  | 1:48   | \        | <u> </u> | _    | +   | +                              | +   | +      |             |             | _ |   | + | + |               |
| 1-1   | SP4 @ 2'   |  | _                           |                           |        |          |        |                  |                 | - 1            |          |                 | 5               | 5-18-16 1  | 1:55   | <u> </u> | _        | _    | _   |                                | +   | +      |             |             | _ |   | + | + |               |
| 15  | SP4 @ 3  |  | _                           | -                         | -      |          |        |                  |                 |                |          |                 | (J)             | 5-18-16 2  | 2:04   | _        |          |      |     |                                |     |        |             |             | _ |   |   | + |               |
| 16  | SP5 @ 1  |  | +                           | +                         | -      | -        |        |                  |                 |                |          |                 | G               | 0,   | 2:21   | •        |          | _    |     |                                |     |        |             |             |   |   |   |   |               |
| <u> </u>  | SP5 @ 2'   | _  | +                           | +                         | +-     | _        |        |                  |                 | 1              |          |                 | 5               | _  | 2:31   | 4        | ~        |      |     |                                | -   |        |             |             |   |   |   |   |               |
|   | SP6 @ 1'   |  |                             | _                         | -      |          |        |                  |                 |                |          |                 | Çī Cī           | 5-18-16 2<br>5-18-16 3   | 2:41 <b>v</b>                                |          |          |      | +   |                                | +   | +      |             |             | - |   | _ | + | _             |
| 20  | SP6 @ 2'   |  |                             |                           |        |          |        |                  |                 |                |          |                 | Ċı              | 5-18-16 3  | 3:18   |          | _        |      | +   |                                | +   | +      |             |             |   |   |   | + |               |
| PLEASE NOTE: Liability an analyses. All claims includin service. In no event shall Ca | PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim assing whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for megligence and any other cause whatsoever shall be deemed waived unless made in writing and exerved by Cardinal within 30 days after competion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whencel waived unless made in writing and exerved by Cardinal within 30 days after competing on the policy of the property | y claim a<br>semed w<br>without li   | arising<br>aived<br>mitatio | wheth<br>unless<br>n, bus | ner ba | le in v  | n cont | tract of and and | or ton<br>recei | , sha<br>ved b | II be I  | imited<br>dinal | to th<br>within | ne amount paid by n 30 days after co   | y the client for the<br>ompletion of the app | plicable | ŀ        | -    | ŀ   | ŀ                              | 1   | ŀ      |             | Γ           | ŀ |   | H | H | L             |
| affiliates or successors arising Relinguished By:                                     | affiliates or successors arising out of or related to the performance of services hereunder by CaRelinguished By:  | Rock   | gardle                      | SS of                     | wheth  | ) ler su | ch da  | aim is           | base            | d up           | on an    | y of th         | ne ab           | Cardinal, regardless of whether such claim is based upon any of the above stated reaso | ons or otherwise.                            |          |          |      |     |                                |     |        |             |             |   |   |   |   | ı             |
| in this light   | Time: 016  | Received By:   | elve                        | O                         | 1/3    | 11       | 1      |                  |                 |                |          |                 |                 | ס וד נ   | Phone Result:<br>Fax Result:                 |          | □ Yes    | ON O | Add | Add'l Phone #:<br>Add'l Fax #: | e#: | 2      | $  \   \  $ | $  \   \  $ |   |   |   |   |               |
| Relinquished By:  | Date:/syll   | Received By:   | ě (                         | d B                       | ×.     | 1        |        | V                |                 |                |          |                 |                 |  |  |          |          |      |     |                                |     |        |             |             |   |   |   |   | Total Control |
| 7   |  | -  |                             | 1                         |        |          |        |                  |                 |                |          |                 |                 |  |  |          |          |      |     |                                |     |        |             |             |   |   |   |   | -             |

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

A#54

Sample Condition
Cool Intact
Wes F Yes
No No

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Page 16 of 17

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name:  | BBC International, Inc.  | -               | - 1                | - 1             | - 1   | 1       | - 1    |              |                 |          |                 | B        | BILL TO   |   |           | 1        | ١         | ANALYSIS BEOLIEST |   |
|--|--|-----------------|--------------------|-----------------|-------|---------|--------|--------------|-----------------|----------|-----------------|----------|---|---|-----------|----------|-----------|-------------------|---|
| Project Manager:   | : Cliff Brunson  |                 |                    |                 |       |         |        |              | P               | P.O. #:  | "               |          |   | 4                                       | $\forall$ | $\dashv$ | $\forall$ | DISCE OF STREET   |   |
| Address: P.O. Box 805  | Box 805  |                 |                    |                 |       |         |        |              | 2               | 3        | Company:        | •        | 2   |   | _         |          |           |                   |   |
| city: Hobbs  | State: NM  | Zip:            |                    | 88241           | 41    |         |        |              | Attn:           | . I      |                 |          | 1000  |   |           |          | _         |                   |   |
| Phone #: 575-397-6388  | _  | -397            | 0                  | 397             | 1     |         |        |              | Ad              | dre      | Address         | 1        | 7   |   |           |          |           |                   |   |
| Project #:   | Project Owner: Oxy   | .:<br>0x        | Y                  |                 |       |         |        |              | City:           | <b>.</b> |                 |          |   |   |           |          |           |                   |   |
| Project Name: L  | Project Name: Lost Tank 3 Fed #21  |                 |                    |                 |       |         |        |              | Sta             | State:   |                 |          | Zin:  |   |           | _        |           |                   |   |
| Project Location:  | n  |                 |                    |                 |       |         |        |              | Ph              | Phone #: | #               |          | -   |   |           |          | 7         |                   |   |
| Sampler Name:  | Roger Hernandez  |                 |                    |                 |       |         |        |              | Fa              | Fax #:   |                 |          |   |   |           |          |           |                   |   |
| FOR LAB USE ONLY   |  |                 |                    |                 |       | MATRIX  | 굕      |              |                 | PR       | ESE             | PRESERV. | SAMPLING  |   |           |          |           |                   |   |
| Lab I.D.   | Sample I.D.  | OR (C)OMP.      | INERS              | WATER           | /ATER |         |        |              |                 | SE:      | DL              |          |   |   |           |          | ,         |                   |   |
| HWOIIDS  |  | _               | # CON              | GROU            | WAST  | SOIL    | OIL    | SLUDO        | OTHER           | ACID/E   | ICE / C         | OTHER    | DATE 1  | TIME                                    |           |          |           |                   |   |
| 71   | SP6 @ 3  |                 |                    |                 |       |         |        |              |                 |          |                 |          | 5-18-16 1:25  | 5                                       | +         |          |           |                   |   |
|  |  |                 |                    |                 |       |         |        |              |                 |          |                 |          |   |   |           |          |           |                   |   |
|  |  |                 |                    |                 |       |         |        |              |                 |          |                 |          |   |   |           |          |           |                   |   |
|  |  |                 | _                  |                 |       |         |        |              |                 |          |                 |          |   |   | +         |          |           |                   | × |
|  |  |                 |                    |                 |       |         |        |              |                 |          |                 |          |   |   |           |          |           |                   |   |
|  |  | _               | _                  | -               | _     | _       | _      |              |                 |          |                 |          |   |   |           |          |           |                   |   |
|  |  |                 |                    | _               |       |         |        |              |                 |          |                 |          |   |   |           | +        |           |                   |   |
| LEASE NOTE: Liability and  | LEASE 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 the client for the   | y claim a       | arising            | whet            | her b | sed     | n cont | ract o       | tort            | shall    | be lin          | nited t  | the amount paid by th                                 | e client for the                        | t         | H        | r         |                   |   |
| nalyses. All claims including ervice. In no event shall Can filiates or successors arising | insyses. All claims including those for negligence and any other cause whatsoever shall be deemed waked unless made in writing and received by Cardinal within 30 days after completion of the applicable ervice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, inflitiates or successors arising out of or related to the performance of services hereunder by Cardinal recapatiless of whether such claims is besed unon any of the activation. | emed without li | vaived<br>mitation | unles<br>on, bu | s man | de in v | ruptio | and ones, lo | receiv<br>ss of | ed by    | Card<br>or loss | inal w   | hin 30 days after comp<br>lits incurred by client, it | letion of the applic<br>s subsidiaries, | cable     |          |           |                   |   |
| Relinquished By:   | Date: 8/W  | Received By:    | eiv<br>K           | d               | ××    | 1       |        |              |                 |          |                 | 9        | Pho   | Phone Result:                           | □ Yes     |          | □ No      | Add'l Phone #:    |   |
| 1 and  | Time:  |                 | 1                  | 1               | 7     | 1       | 1      |              |                 |          |                 |          | REI   | REMARKS:                                |           |          | No        | Add'l Fax #:      |   |

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 Sample Condition
Cool Intact
GYes FYES
No No

Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinquished By:

Received By:

CHECKED BY:



October 14, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LOST TANK 3 FEDERAL #21

Enclosed are the results of analyses for samples received by the laboratory on 10/11/16 9:15.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 10/11/2016 Sampling Date: 10/07/2016

Reported: 10/14/2016 Sampling Type: Soil

Project Name: LOST TANK 3 FEDERAL #21 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

Sample ID: SP 2 @ 4' (H602282-01)

Chloride, SM4500Cl-B Analyzed By: HM mg/kg Analyte Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Oualifier Result 432 400 Chloride 112 16.0 10/12/2016 ND 108 3.77

Sample ID: SP 3 @ 4' (H602282-02)

| Chloride, SM4500Cl-B | mg,    | /kg             | Analyze    | d By: HM     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 10/12/2016 | ND           | 432 | 108        | 400           | 3.77 |           |

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Kreine



### **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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| (5  | (505) 393-2326 FAX (505) 393-2476  | ( (505) 393-2476   |   |  | 101 |
|---|--|--|---|--|-----|
| Company Name:   | BBC International, Inc.  | al, Inc.   | BILL TO   | ANALYSIS REQUEST   |     |
| Project Manager: Cliff Brunson  | Cliff Brunson  |  | P.O. #:   |  | 1   |
| Address: P.O. E   | P.O. Box 805   |  | Company: OXU  |  |     |
| city: Hobbs   |  | State: NM zip: 88241   |   |  |     |
| Phone #: 575-397-6388   | 7-6388   | ĊΊ   |   |  |     |
| Project #:  |  | Project Owner: () X  | City:   |  |     |
| Project Name:   | LOST TAWK  | JR 3 Fed +   | 2) State: Zip:  |  |     |
| Project Location:   |  |  | Phone #:  |  |     |
| Sampler Name:   | ROKD   | KR Heinander   | Fax #:  |  |     |
| FOR LAB USE ONLY  |  |  | MATRIX PRESERV. SAMPLING  | ING  |     |
| Lab I.D.  | Sample I.D.  | AB OR (C)OMI<br>NTAINERS<br>UNDWATER<br>TEWATER  | OGE<br>ER:<br>/BASE:<br>COOL  | 7-   |     |
| H62282  |  | # CON  | SOIL OIL SLUDG OTHER ACID/B ICE / C OTHER   | TIME   |     |
| -   | 2001   | 61   | 11.01/10  | 1.00   |     |
| 7   | 159364   | 6-1  | 11.01   | 1/0  |     |
|   |  |  |   |  |     |
|   |  |  |   |  |     |
|   |  |  |   |  |     |
| inalyses. All claims including the ervice. In no event shall Cardin efficience or suppossors arising or | mages. Cardinal's liability and clien<br>see for negligence and any other ca<br>al be liable for incidental or consequence to<br>the gradual in the performance of<br>the gradual in the performance of the second se | int's exclusive remedy for any claim arising whether use whatsoever shall be deemed waived unless in use whatsoever shall be deemed waived unless in use without limitation, busing the property of the proper | TEASE WIE: Lability and Jamages: Caldina's lability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the arrayses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be label for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, | d by the client for the<br>er completion of the applicable<br>dient, its subsidiaries, |     |
| Relinguished By:  |  | Date: 11.16 Received By:   | Lenson  | Phone Result:  |     |
| Relinquished By:  |  | Date: Received By:   |   |  |     |
| Delivered By: (Circle One)  | Sircle One)  | -  | ple Condition CHECKED BY:   |  |     |
| Sampler - UPS - Bus - Other:  | 3us - Other:   | 4.22   | P Yes P Yes   |  |     |
|   |  |  |   |  |     |

From: <u>Bratcher, Mike, EMNRD</u>

To: <u>Cliff Brunson</u>

Cc: Patterson, Heather, EMNRD: Casey Summers; Jennifer Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy

Purvis; Tucker, Shelly

Subject: RE: OXY Lost Tank 3 Federal #21 - Remediation Plan

**Date:** Friday, September 2, 2016 1:27:58 PM

RE: OXY USA \* Lost Tank 3 fed 21 \* 30-015-37920 \* **2RP-3693** \* DOR: 5/3/16

Cliff,

Your proposal for remediation of the above referenced release is approved. Please advise once remedial activities have been scheduled. Federal sites will 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, August 26, 2016 4:47 PM

To: Bratcher, Mike, EMNRD

Cc: Patterson, Heather, EMNRD; Casey Summers; Jennifer\_Duarte@oxy.com; Ken Swinney; Jennifer

Gilkey; Kathy Purvis

**Subject:** OXY Lost Tank 3 Federal #21 - Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the OXY Lost Tank 3 Federal #21 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 Fax: (575) 397-0397

E-Mail: <a href="mailto:cbrunson@bbcinternational.com">cbrunson@bbcinternational.com</a>



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From: <u>Tucker, Shelly</u>
To: <u>Cliff Brunson</u>

Cc: Casey Summers; Jennifer Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: Re: OXY Lost Tank 3 Federal #21 - Remediation Plan

**Date:** Monday, August 29, 2016 9:00:08 AM

BLM accepts and approves 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 <u>BLM acceptance/approval does not</u> 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, Aug 26, 2016 at 4:47 PM, Cliff Brunson < cbrunson@bbcinternational.com > wrote:

Shelly,

I have attached a remediation plan for the Oxy Lost Tank 3 Federal #21 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:

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Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com



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