**RECEIVED** By Kellie Jones at 10:42 am, Oct 13, 2015

3302 122nd Street Lubbock, Texas 79423 Mailing Address: P.O. Box 53427 Lubbock, Texas 79453 Phone: 806-771-8033 Fax: 806-687-6926 www.bcccorp.com

**BIOREMEDIATION CONTRACTORS & CONSULTANTS** A \*\*\* Land Reclamation Weed Control



Marshall & Winston, Inc. Klein 16 State 2H Tank Battery *Oil & Produced Water Spill* Affected Area – 19,200 sq. ft. / .44 acre GPS Coordinates: N32.66616 W103.45495

**Corrective Action Summary – September 23, 2015** 

On September 23, 2015, BCC, Inc. consulted with and directed a third party excavation contractor on further vertical delineation of the Klein 16 State 2H Tank Battery spill site. Additional soil excavation was performed in the '1A' and '1B' areas down to three feet from surface where on-site field testing revealed that no contaminants remained in the soil. The excavated material was placed on an impermeable plastic liner where it will be picked up and disposed of at an off-site permitted facility. Three representative soil samples were pulled from the excavated areas and taken to a certified laboratory for analysis. The TPH and chloride analysis revealed that the regulatory thresholds were met with this latest corrective action taken. The excavated areas will now be backfilled with clean soil and packed with a layer of fresh caliche in order to complete the final phase of this project.

Paul Porter Vice President BCC, Inc.

# **Summary Report**

Paul Porter BCC, Inc.-Lubbock 3302 122nd St P.O. Box 53427 Lubbock, TX 79453

Report Date: September 29, 2015

Work Order: 15092505

| Project Location: | Klein 16 State 2H Tank Battery |
|-------------------|--------------------------------|
| Project Name:     | Marshall & Winston, Inc.       |

|        |             |        | Date       | Time  | Date       |
|--------|-------------|--------|------------|-------|------------|
| Sample | Description | Matrix | Taken      | Taken | Received   |
| 405174 | Sample 2A   | soil   | 2015-09-23 | 15:00 | 2015-09-25 |
| 405175 | Sample 2B   | soil   | 2015-09-23 | 15:15 | 2015-09-25 |
| 405176 | Sample 2C   | soil   | 2015-09-23 | 15:30 | 2015-09-25 |

|                     |          | ]                                  | BTEX     | MTBE     | TPH DRO | TPH GRO |         |
|---------------------|----------|------------------------------------|----------|----------|---------|---------|---------|
|                     | Benzene  | enzene Toluene Ethylbenzene Xylene |          |          |         | DRO     | GRO     |
| Sample - Field Code | (mg/Kg)  | (mg/Kg)                            | (mg/Kg)  | (mg/Kg)  | (mg/Kg) | (mg/Kg) | (mg/Kg) |
| 405174 - Sample 2A  | < 0.0200 | < 0.0200                           | < 0.0200 | < 0.0200 |         | <50.0   | <4.00   |
| 405175 - Sample 2B  | < 0.0200 | < 0.0200                           | < 0.0200 | < 0.0200 |         | <50.0   | <4.00   |
| 405176 - Sample 2C  | < 0.0200 | < 0.0200                           | < 0.0200 | < 0.0200 |         | <50.0   | <4.00   |

#### Sample: 405174 - Sample 2A

| Param    | Flag | Result | Units | $\operatorname{RL}$ |
|----------|------|--------|-------|---------------------|
| Chloride |      | <50.0  | mg/Kg | 50                  |

#### Sample: 405175 - Sample 2B

| Param    | Flag | Result | Units | RL |
|----------|------|--------|-------|----|
| Chloride |      | <50.0  | mg/Kg | 50 |

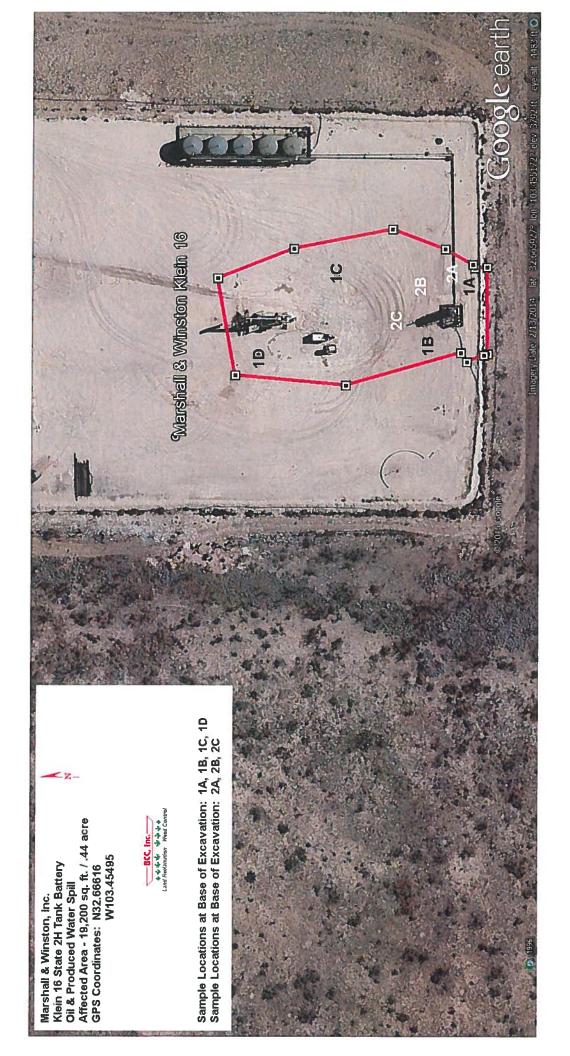
#### Sample: 405176 - Sample 2C

continued ...

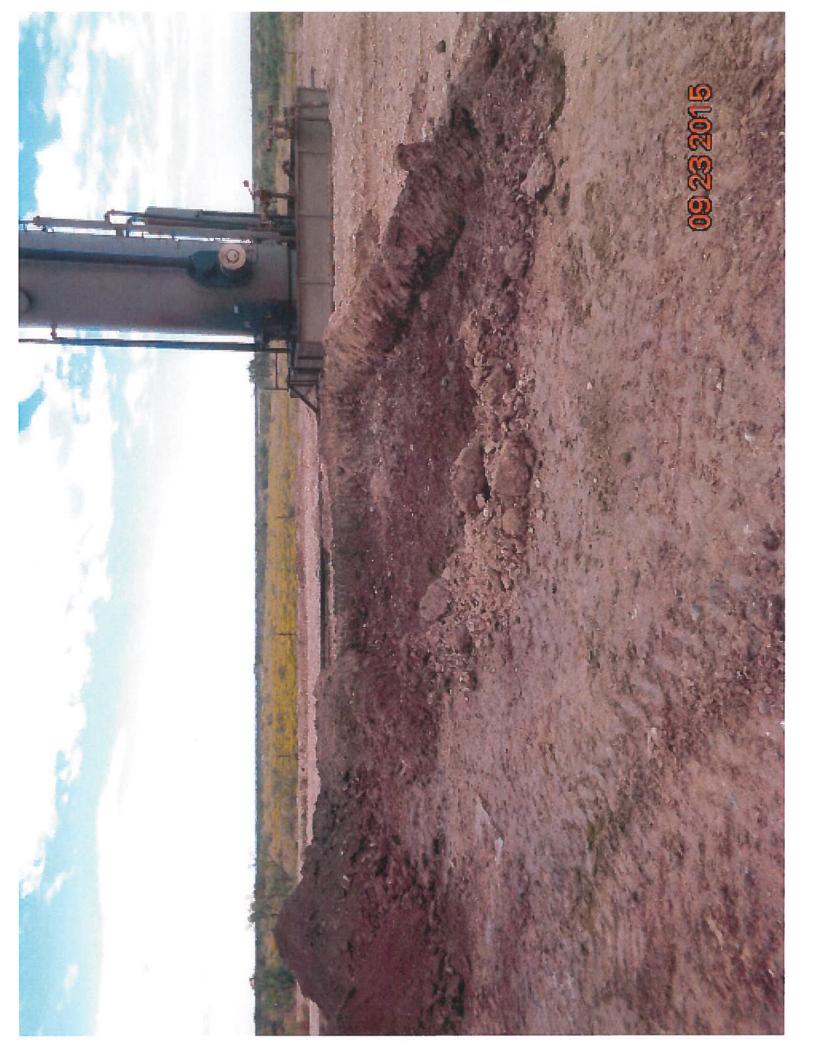
TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296 This is only a summary. Please, refer to the complete report package for quality control data.

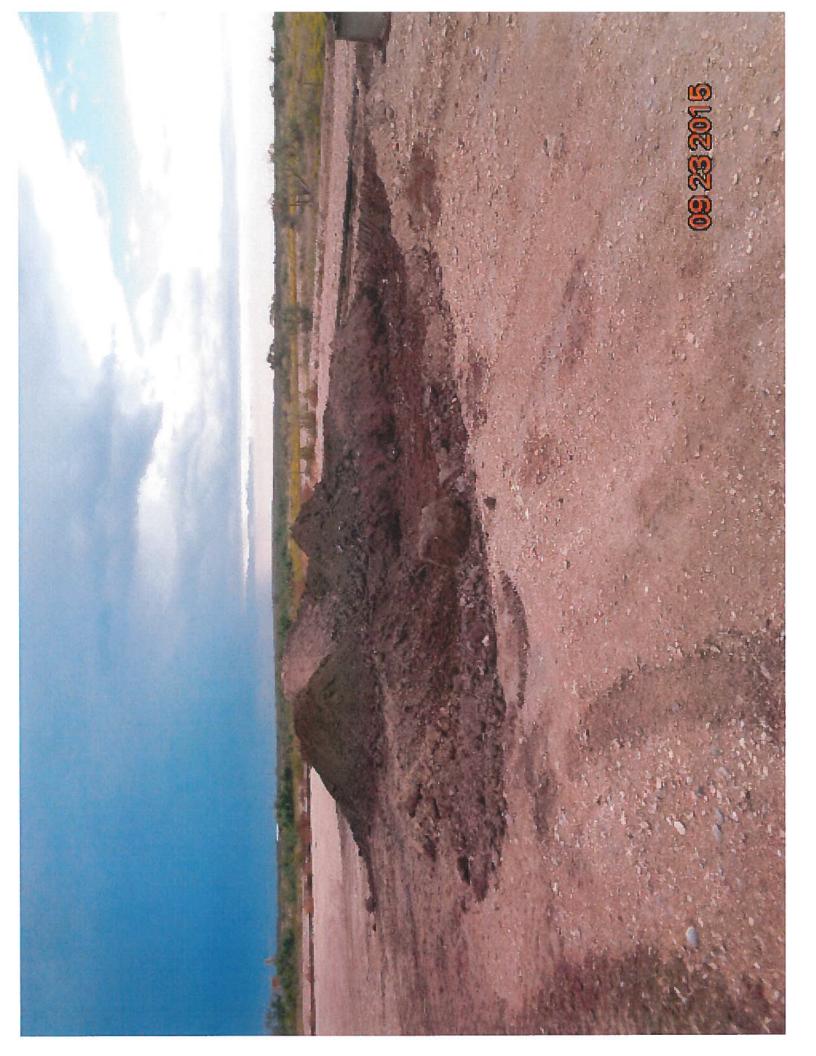
| Report Date: Sept | tember 29, 2015 | Work Order: 15092505 | Pago  | e Number: 2 of 2 |
|-------------------|-----------------|----------------------|-------|------------------|
| sample 405176 con | ntinued         |                      |       |                  |
| Param             | Flag            | Result               | Units | RL               |
| Param             | Flag            | Result               | Units | RL               |
| Chloride          |                 | <50.0                | mg/Kg | 50               |

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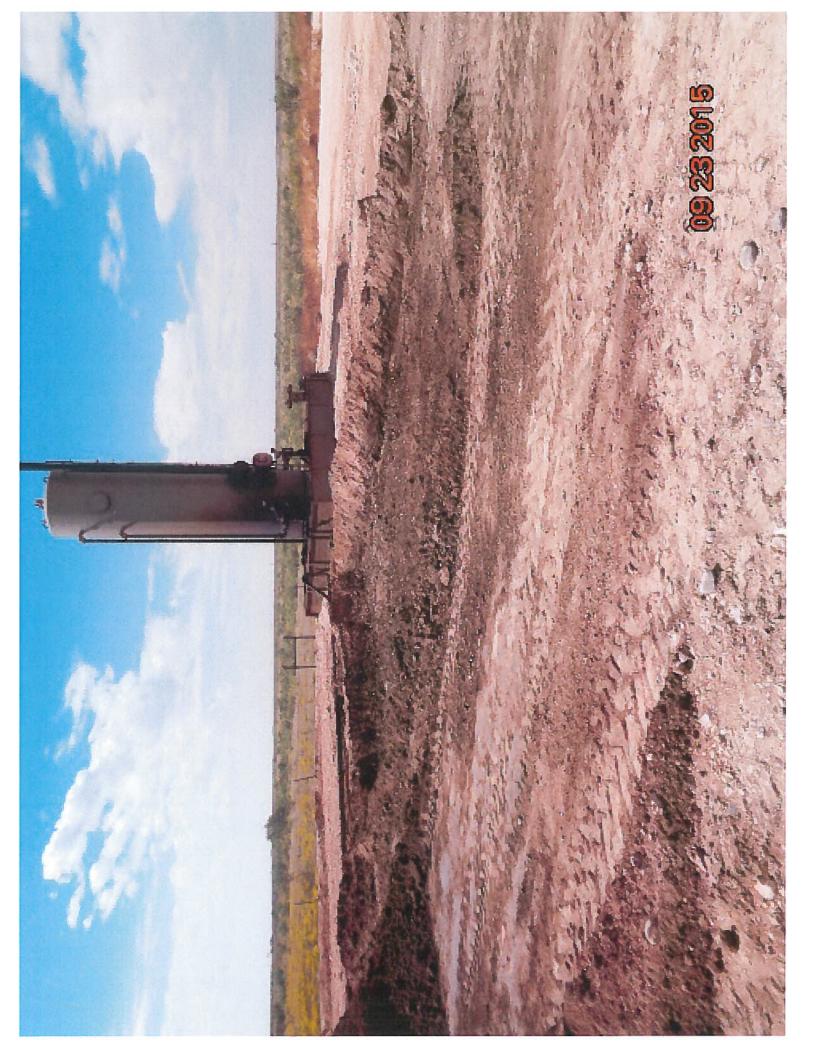


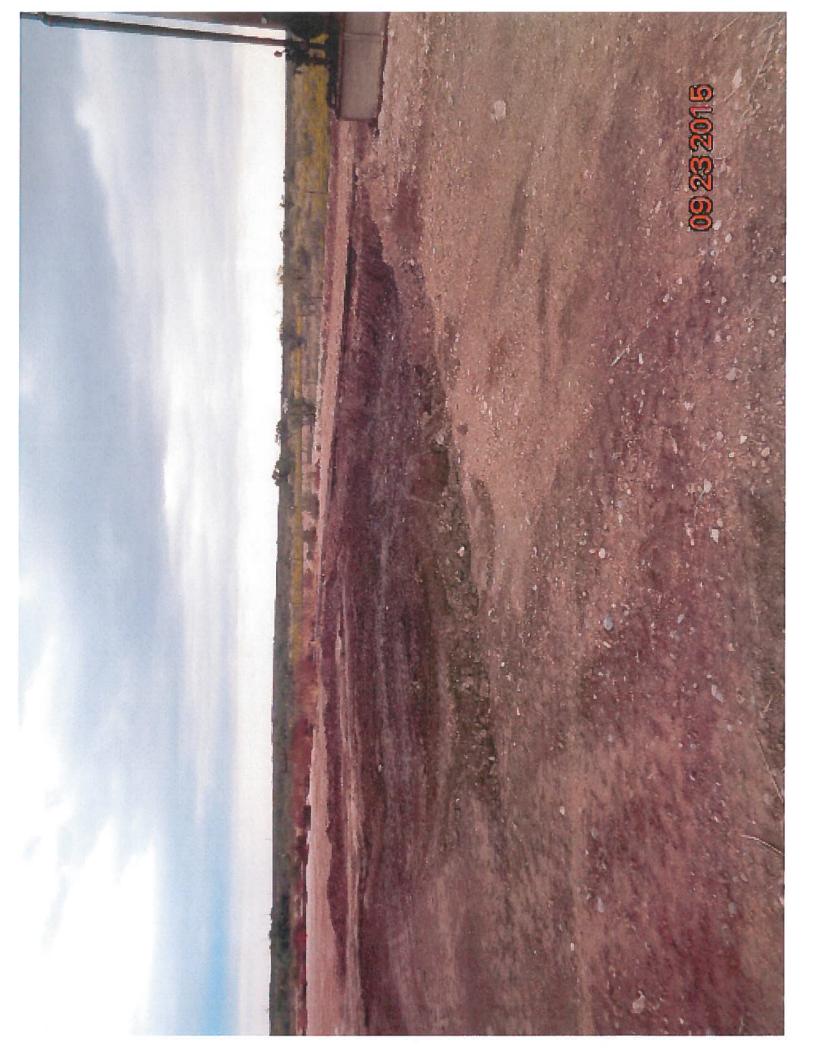












## State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

| Santa re, INIVI 07505 |              |     |            |        |  |  |  |
|-----------------------|--------------|-----|------------|--------|--|--|--|
| Release               | Notification | and | Corrective | Action |  |  |  |

|  |  |               |             |                     |         | OPERA:           | FOR                |         | Initia   | al Report   | X            | Final Re | port |
|--|--|---------------|-------------|---------------------|---------|------------------|--------------------|---------|----------|-------------|--------------|----------|------|
| Name of Company Marshall & Winston, Inc. |  |               |             |                     | (       | Contact ]        | Codd Passmo        | ore     |          |             |              |          |      |
|  | Address P. O. Box 50880, Midland, TX 79710 |               |             |                     |         | [<br>relephone ] | No. 432-684-       | -6373   | or 432   | 2-894-0     | 165          |          |      |
| Facility Nar                             | ne Klei                                    | in 16 St      | • #2H       |                     | I       | Facility Typ     | e Well Loc         | ation   | & Bat    | tery        |              |          |      |
|  |  |               |             |                     |         |                  |                    |         |          |             |              |          |      |
| Surface Ow                               |  | a Faye l      |             | Mineral C           | wner    | <u>State of</u>  | E New Mexic        | :0      | API No   | 30-02       | <u>5–408</u> | 352      |      |
|  | c/c  | George        | L. K1       | ein<br>LOCA         | TION    | OF RE            | LEASE              |         |          |             |              |          |      |
| Unit Letter                              | Section                                    | Township      | Range       | Feet from the       | North/  | South Line       | Feet from the      | East/We | est Line | County      |              |          |      |
| A  | 16   | 195           | 35E         | 660                 | No      | rth              | 250                | Ea      | st       |             | Lea          |          |      |
|  |  |               | La          | titude <u>32.66</u> | 55896   | _ Longitud       | le <u>103.4541</u> | .41     |          |             |              |          |      |
|  | NATURE OF RELEASE                          |               |             |                     |         |                  |                    |         |          |             |              |          |      |
| Type of Relea                            | ase Of                                     | 11 & Wate     | er          |                     |         | Volume of        | Release 45 b       | bls [   | Volume F | Recovered   | 40 b         | bls      |      |
| Source of Rel                            | lease He                                   | ater Tre      | eater       |                     |         | Date and H       | lour of Occurrenc  | e       | Date and | Hour of Dis | covery       |          |      |
| Was Immedia                              | ate Notice C                               | Given?        |             |                     |         | If YES, To       | Whom?              | 08/     | 12/15    |             | 08/          | 12/15    | 2PM  |
|  |  | X             | Yes 🗌       | ] No 🔲 Not Re       | equired | Ian              | Dolly              |         |          |             |              |          |      |
| By Whom?                                 | Travi                                      | s Flemmo      | ons         |                     |         | Date and H       |                    | 2/15    | 3:30 E   | M           |              |          |      |
| Was a Water                              |  |               |             |                     |         | If YES, Vo       | olume Impacting t  |         |          |             |              |          |      |
|  |  |               | Yes 🕅       | X No                |         |                  |                    |         |          |             |              |          |      |
| If a Watercou                            | irse was Im                                | pacted, Descr | ibe Fully.' | k                   |         |                  |                    |         |          |             |              |          |      |
|  |  |               |             |                     |         |                  |                    |         |          |             |              |          |      |
|  |  |               |             |                     |         |                  |                    |         |          |             |              |          |      |
|  |  |               |             |                     |         |                  |                    |         |          |             |              |          |      |
| Describe Cau                             | se of Proble                               | em and Reme   | dial Actio  | n Taken *           |         |                  |                    |         |          |             |              |          |      |
|  |  |               |             | tube in the         | e heat  | ter trea         | iter.              |         |          |             |              |          |      |
| 1  |  |               |             | fluid with          |         |                  |                    |         |          |             |              |          |      |
|  | *  |               | 0           |                     |         |                  |                    |         |          |             |              |          |      |

### Describe Area Affected and Cleanup Action Taken.\* Caliche around heater treater on well location.

See attachments for corrective action taken.

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

| Tu                                    | OIL CONSER                            | VATION I     | DIVISION   |  |
|---------------------------------------|---------------------------------------|--------------|------------|--|
| Signature: 1. M Chammed               |                                       |              |            |  |
| Printed Name: Todd Passmore           | Approved by Environmental Specialist: |              |            |  |
| Title: Operations Manager             | Approval Date:                        | Expiration D | ate:       |  |
| E-mail Address: tpassmore@mar-win.com | Conditions of Approval:               |              | Attached 🗌 |  |
| Date: 10/06/2015 Phone: 432-684-6373  |                                       |              |            |  |

\* Attach Additional Sheets If Necessary