

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

State of New Mexico  
Energy Minerals and Natural Resources

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

**RECEIVED**  
By JKeyes at 2:39 pm, May 11, 2016

Revised August 8, 2011

Submit 1 Copy to appropriate District Office in

**APPROVED**

### Release Notification and Corrective Action

#### OPERATOR

☐ Initial Report

☒ Final Report

|  |  |         |
|--|--|---------|
| Name of Company <i>Energy Transfer</i>     | Contact <i>Phillip Little</i>              |         |
| Address <i>P.O. Box 1226 Jal NM 88252</i>  | Telephone No. <i>325-514-2636</i>          |         |
| Facility Name <i>6" Lateral (C-2 line)</i> | Facility Type <i>Natural Gas Gathering</i> |         |
| Surface Owner <i>Johnny Chapman</i>        | Mineral Owner                              | API No. |

#### LOCATION OF RELEASE

|             |                   |                     |                  |               |                  |               |                |                   |
|-------------|-------------------|---------------------|------------------|---------------|------------------|---------------|----------------|-------------------|
| Unit Letter | Section <i>11</i> | Township <i>26S</i> | Range <i>37E</i> | Feet from the | North/South Line | Feet from the | East/West Line | County <i>Lea</i> |
|-------------|-------------------|---------------------|------------------|---------------|------------------|---------------|----------------|-------------------|

Latitude *32.054185* Longitude *103.135849*

#### NATURE OF RELEASE

|  |  |   |
|--|--|---|
| Type of Release <i>Crude Oil, Nat. Gas + Produced Water</i>  | Volume of Release <i>10 bbls</i>                             | Volume Recovered <i>0 bbls</i>              |
| Source of Release  | Date and Hour of Occurrence                                  | Date and Hour of Discovery <i>2:30 P.M.</i> |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? <i>Unknown</i>                              | <i>1-17-16</i>                              |
| By Whom?   | <i>Email to Kellies Jones on 1-18-16 from Phillip Little</i> |   |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | Date and Hour  |   |
|  | If YES, Volume Impacting the Watercourse.<br><i>N/A</i>      |   |

If a Watercourse was Impacted, Describe Fully.\*

*N/A*

*Water at 120'*

Describe Cause of Problem and Remedial Action Taken.\*

*Failure of a segment of 6" pipeline resulted in the release of approximately 10 bbls of a mixture of natural gas, crude oil, + produced water. Repair crew was sent and replaced 80' of 6" poly pipe. Clean up crew was also sent to location to dig up and haul off contaminated soil.*

Describe Area Affected and Cleanup Action Taken.\*

*The release affected approximately 65' x 90' main spot 40' x 70' spot 207' x 16' Spot to South  
60' x 3' stream to North 85' new spot  
Panther Energy remediated affected area to NMOCDC regulatory Guidelines. Samples were taken to lab. Samples came back clean. Sent to OCA and was given permission to backfill.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCDC 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 NMOCDC 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, NMOCDC acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|  |  |  |  |
|--|--|--|--|
| Signature: <i>[Signature]</i>                            |  | OIL CONSERVATION DIVISION                                |  |
| Printed Name: <i>Phillip Little</i>                      |  | Approved by Environmental Specialist: <i>[Signature]</i> |  |
| Title: <i>Construction Specialist</i>                    |  | Approval Date: <i>05/11/2016</i>                         | Expiration Date: <i>///</i>                          |
| E-mail Address: <i>Phillip.Little@energytransfer.com</i> |  | Conditions of Approval:<br><i>///</i>                    | Attached <input type="checkbox"/><br><i>IRP 4113</i> |
| Date: <i>5-9-16</i> Phone: <i>575-631-2584</i>           |  |  |  |

Attach Additional Sheets If Necessary

On 1-17-16 a segment of 6" pipeline failed and released approximately 10bbls of fluid. A repair crew was sent to the location. Repair crew replaced 80' of 6" poly pipe. Line was taken out of service. There were a few spots affected. Main spot where leak originated was 65'x90'. The spill ran down R.O.W. south 207'x6'. It also ran north to two different spots. One spot was 40'x70' and the second spot was 25'x40'. Panther Energy Services was contacted by Phillip Little, construction specialist for Energy Transfer, to take care of remediation process. Panther Energy Services used a track hoe to dig out the affected area. A backhoe was used to move contaminated top soil from dug out areas to an area for stock pile. All contaminated top soil was hauled off to Sundance and Doom Land Farm. Samples were then taken to Cardinal Labs in Hobbs for all affected areas. Samples came back clean and sent off to Jamie Keyes for verification. After clean samples were verified Panther Energy Services was given approval by OCD to backfill area. There was 579 yards of contaminated soil hauled out and the surrounding sand hills were used to backfill excavated area.

Thank you,

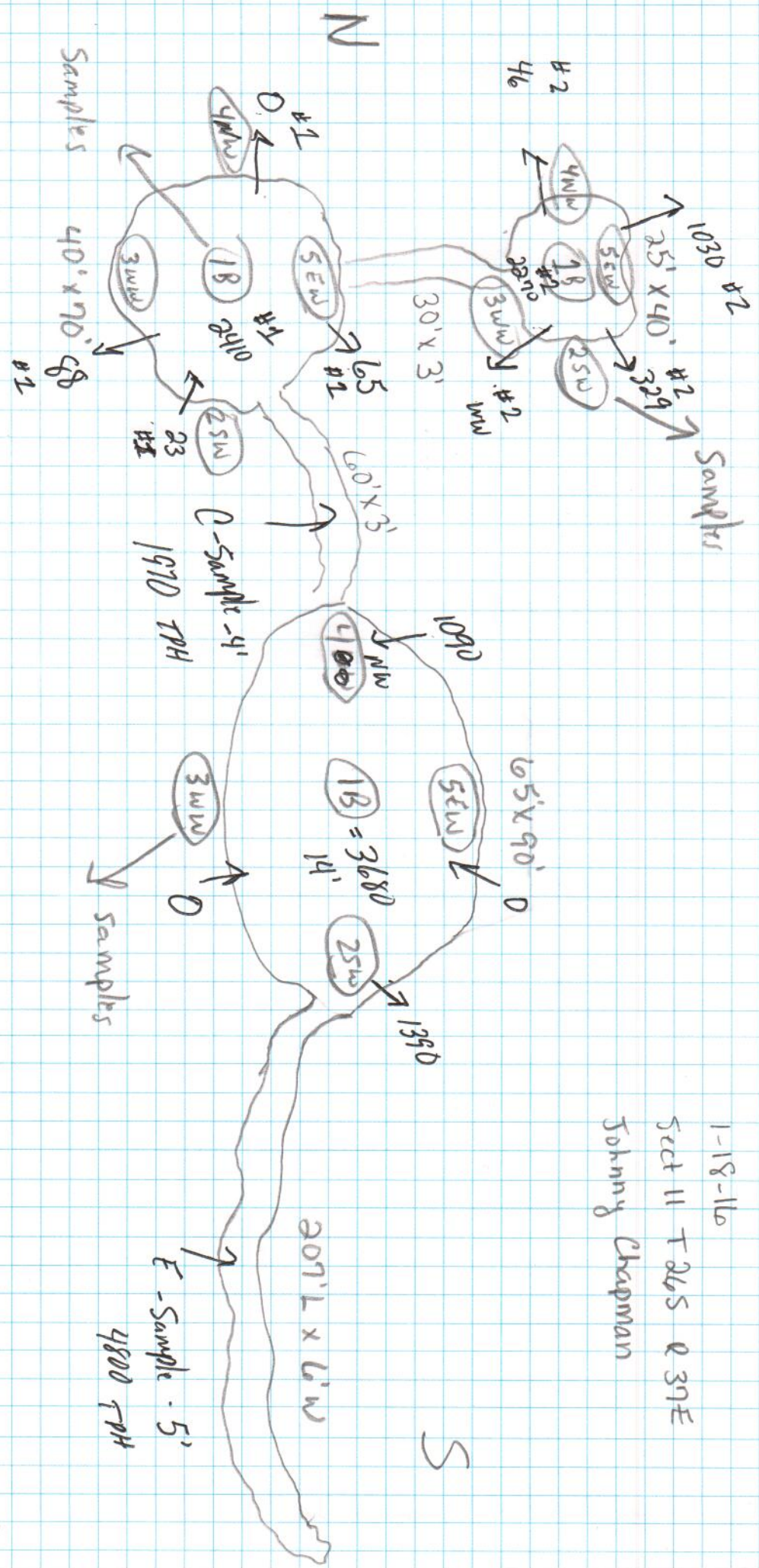
A handwritten signature in black ink, appearing to read 'Emmanuel Lujan', with a stylized flourish at the end.

Emmanuel Lujan

Panther Energy Services, LLC

Energy Transfer  
C-2 Line 6" lateral

1-18-16  
Sect 11 T 24S R 37E  
Johnny Chapman



Ground water 120'  
TPH = 5000 ppm  
Chlorides = 1000 ppm

March 09, 2016

PHILLIP LITTLE

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: C-2 LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/08/16 12:52.

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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 ENERGY TRANSFER  
 PHILLIP LITTLE  
 P. O. BOX 1226  
 JAL NM, 88252  
 Fax To:

 Received: 03/08/2016  
 Reported: 03/09/2016  
 Project Name: C-2 LINE  
 Project Number: NONE GIVEN  
 Project Location: CHAPMAN RANCH - SE OF JAL, NM

 Sampling Date: 03/08/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: B-2 @ 11' (H600497-01)**

| BTEX 8021B            |             | mg/kg           |            | Analyzed By: CK |      |            |               |        |           |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte               | Result      | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| <b>Benzene*</b>       | <b>2.07</b> | 1.00            | 03/09/2016 | ND              | 1.92 | 95.8       | 2.00          | 0.125  |           |
| <b>Toluene*</b>       | <b>23.1</b> | 1.00            | 03/09/2016 | ND              | 1.89 | 94.5       | 2.00          | 0.0761 |           |
| <b>Ethylbenzene*</b>  | <b>8.92</b> | 1.00            | 03/09/2016 | ND              | 1.72 | 85.9       | 2.00          | 0.302  |           |
| <b>Total Xylenes*</b> | <b>39.6</b> | 3.00            | 03/09/2016 | ND              | 5.30 | 88.4       | 6.00          | 0.314  |           |
| <b>Total BTEX</b>     | <b>73.6</b> | 6.00            | 03/09/2016 | ND              |      |            |               |        |           |

Surrogate: 4-Bromofluorobenzene (PIB) 106 % 73.6-140

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>32.0</b> | 16.0            | 03/08/2016 | ND              | 448 | 112        | 400           | 15.4 |           |

| TPH 8015M                  |             | mg/kg           |            | Analyzed By: CK |     |            |               |      |           | S-04 |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |      |
| <b>GRO C6-C10</b>          | <b>1240</b> | 10.0            | 03/08/2016 | ND              | 198 | 98.8       | 200           | 3.81 |           |      |
| <b>DRO &gt;C10-C28</b>     | <b>2270</b> | 10.0            | 03/08/2016 | ND              | 209 | 104        | 200           | 4.50 |           |      |
| <b>EXT DRO &gt;C28-C35</b> | <b>329</b>  | 10.0            | 03/08/2016 | ND              |     |            |               |      |           |      |

Surrogate: 1-Chlorooctane 154 % 35-147

Surrogate: 1-Chlorooctadecane 127 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 ENERGY TRANSFER  
 PHILLIP LITTLE  
 P. O. BOX 1226  
 JAL NM, 88252  
 Fax To:

 Received: 03/08/2016  
 Reported: 03/09/2016  
 Project Name: C-2 LINE  
 Project Number: NONE GIVEN  
 Project Location: CHAPMAN RANCH - SE OF JAL, NM

 Sampling Date: 03/08/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP - 2 (H600497-02)**

| BTEX 8021B            |              | mg/kg           | Analyzed By: CK |              |      |            |               |        |           |
|-----------------------|--------------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte               | Result       | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| <b>Benzene*</b>       | <b>0.458</b> | 0.250           | 03/09/2016      | ND           | 1.92 | 95.8       | 2.00          | 0.125  |           |
| <b>Toluene*</b>       | <b>6.81</b>  | 0.500           | 03/09/2016      | ND           | 1.89 | 94.5       | 2.00          | 0.0761 |           |
| <b>Ethylbenzene*</b>  | <b>2.99</b>  | 0.500           | 03/09/2016      | ND           | 1.72 | 85.9       | 2.00          | 0.302  |           |
| <b>Total Xylenes*</b> | <b>18.6</b>  | 1.50            | 03/09/2016      | ND           | 5.30 | 88.4       | 6.00          | 0.314  |           |
| <b>Total BTEX</b>     | <b>28.8</b>  | 2.75            | 03/09/2016      | ND           |      |            |               |        |           |

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 73.6-140

| Chloride, SM4500Cl-B |            | mg/kg           | Analyzed By: AP |              |     |            |               |      |           |
|----------------------|------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>112</b> | 16.0            | 03/08/2016      | ND           | 448 | 112        | 400           | 15.4 |           |

| TPH 8015M                  |             | mg/kg           | Analyzed By: CK |              |     |            |               |      |           |
|----------------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result      | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>GRO C6-C10</b>          | <b>742</b>  | 10.0            | 03/08/2016      | ND           | 198 | 98.8       | 200           | 3.81 |           |
| <b>DRO &gt;C10-C28</b>     | <b>2410</b> | 10.0            | 03/08/2016      | ND           | 209 | 104        | 200           | 4.50 |           |
| <b>EXT DRO &gt;C28-C35</b> | <b>431</b>  | 10.0            | 03/08/2016      | ND           |     |            |               |      |           |

Surrogate: 1-Chlorooctane 141 % 35-147

Surrogate: 1-Chlorooctadecane 133 % 28-171

**Cardinal Laboratories**

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

|      |  |
|------|--|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.   |
| ND   | Analyte NOT DETECTED at or above the reporting limit   |
| RPD  | Relative Percent Difference  |
| **   | Samples not received at proper temperature of 6°C or below.  |
| ***  | Insufficient time to reach temperature.  |
| -    | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

---

**Cardinal Laboratories**

\*=Accredited Analyte

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



---

Celey D. Keene, Lab Director/Quality Manager



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

**(575) 393-2326 FAX (575) 393-2476**

[illegible]

March 17, 2016

PHILLIP LITTLE

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: C-2 LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/11/16 11:14.

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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/11/2016  
Reported: 03/17/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/11/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #1-EW COMP (H600536-01)**

| BTEX 8021B     |        |                 | mg/kg      |              | Analyzed By: MS |            |               |       |           |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/15/2016 | ND           | 2.00            | 99.8       | 2.00          | 1.29  |           |
| Toluene*       | <0.050 | 0.050           | 03/15/2016 | ND           | 1.93            | 96.4       | 2.00          | 1.42  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/15/2016 | ND           | 1.72            | 85.8       | 2.00          | 0.785 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/15/2016 | ND           | 5.26            | 87.7       | 6.00          | 0.123 |           |
| Total BTEX     | <0.300 | 0.300           | 03/15/2016 | ND           |                 |            |               |       |           |

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

| Chloride, SM4500Cl-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            | 03/17/2016 | ND           | 400             | 100        | 400           | 0.00 |           |

| TPH 8015M        |        |                 | mg/kg      |              | Analyzed By: CK |            |               |      |           |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 03/12/2016 | ND           | 200             | 100        | 200           | 2.14 |           |
| DRO >C10-C28     | 65.1   | 10.0            | 03/12/2016 | ND           | 220             | 110        | 200           | 2.22 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 03/12/2016 | ND           |                 |            |               |      |           |

Surrogate: 1-Chlorooctane 93.2 % 35-147

Surrogate: 1-Chlorooctadecane 103 % 28-171

**Cardinal Laboratories**

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/11/2016  
Reported: 03/17/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/11/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #1-NW COMP (H600536-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/15/2016 | ND              | 2.00 | 99.8       | 2.00          | 1.29  |           |
| Toluene*       | <0.050 | 0.050           | 03/15/2016 | ND              | 1.93 | 96.4       | 2.00          | 1.42  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/15/2016 | ND              | 1.72 | 85.8       | 2.00          | 0.785 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/15/2016 | ND              | 5.26 | 87.7       | 6.00          | 0.123 |           |
| Total BTEX     | <0.300 | 0.300           | 03/15/2016 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIE) 99.2 % 73.6-140

| Chloride, SM4500Cl-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            | 03/17/2016 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 03/12/2016 | ND              | 200 | 100        | 200           | 2.14 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 03/12/2016 | ND              | 220 | 110        | 200           | 2.22 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 03/12/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.0 % 35-147

Surrogate: 1-Chlorooctadecane 98.2 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 ENERGY TRANSFER  
 PHILLIP LITTLE  
 P. O. BOX 1226  
 JAL NM, 88252  
 Fax To:

 Received: 03/11/2016  
 Reported: 03/17/2016  
 Project Name: C-2 LINE  
 Project Number: NONE GIVEN  
 Project Location: CHAPMAN RANCH - SE OF JAL, NM

 Sampling Date: 03/11/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: #1-WW COMP (H600536-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/15/2016 | ND              | 2.00 | 99.8       | 2.00          | 1.29  |           |
| Toluene*       | <0.050 | 0.050           | 03/15/2016 | ND              | 1.93 | 96.4       | 2.00          | 1.42  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/15/2016 | ND              | 1.72 | 85.8       | 2.00          | 0.785 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/15/2016 | ND              | 5.26 | 87.7       | 6.00          | 0.123 |           |
| Total BTEX     | <0.300 | 0.300           | 03/15/2016 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIL) 98.4 % 73.6-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 03/17/2016 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 03/12/2016 | ND              | 200 | 100        | 200           | 2.14 |           |
| DRO >C10-C28     | 88.3   | 10.0            | 03/12/2016 | ND              | 220 | 110        | 200           | 2.22 |           |
| EXT DRO >C28-C35 | 12.7   | 10.0            | 03/12/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.5 % 35-147

Surrogate: 1-Chlorooctadecane 97.1 % 28-171

**Cardinal Laboratories**

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/11/2016  
Reported: 03/17/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/11/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #1-SW COMP (H600536-04)**

| BTX 8021B      |        |                 | mg/kg      |              | Analyzed By: MS |            |               |       |           |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/15/2016 | ND           | 2.00            | 99.8       | 2.00          | 1.29  |           |
| Toluene*       | <0.050 | 0.050           | 03/15/2016 | ND           | 1.93            | 96.4       | 2.00          | 1.42  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/15/2016 | ND           | 1.72            | 85.8       | 2.00          | 0.785 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/15/2016 | ND           | 5.26            | 87.7       | 6.00          | 0.123 |           |
| Total BTX      | <0.300 | 0.300           | 03/15/2016 | ND           |                 |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 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             | 48.0   | 16.0            | 03/17/2016 | ND           | 400 | 100        | 400           | 0.00 |           |                 |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10       | <10.0  | 10.0            | 03/12/2016 | ND              | 200 | 100        | 200           | 2.14 |           |  |
| DRO >C10-C28     | 23.8   | 10.0            | 03/12/2016 | ND              | 220 | 110        | 200           | 2.22 |           |  |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 03/12/2016 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 95.9 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/11/2016  
Reported: 03/17/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/11/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #2-EW COMP (H600536-05)**

| BTX 8021B      |              | mg/kg           |            | Analyzed By: MS |      |            |               |       |           |
|----------------|--------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result       | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050       | 0.050           | 03/15/2016 | ND              | 2.00 | 99.8       | 2.00          | 1.29  |           |
| Toluene*       | <b>0.318</b> | 0.050           | 03/15/2016 | ND              | 1.93 | 96.4       | 2.00          | 1.42  |           |
| Ethylbenzene*  | <b>0.432</b> | 0.050           | 03/15/2016 | ND              | 1.72 | 85.8       | 2.00          | 0.785 |           |
| Total Xylenes* | <b>2.87</b>  | 0.150           | 03/15/2016 | ND              | 5.26 | 87.7       | 6.00          | 0.123 |           |
| Total BTX      | <b>3.61</b>  | 0.300           | 03/15/2016 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIL) 119 % 73.6-140

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <b>32.0</b> | 16.0            | 03/17/2016 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |             | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <b>82.8</b> | 10.0            | 03/12/2016 | ND              | 200 | 100        | 200           | 2.14 |           |
| DRO >C10-C28     | <b>1030</b> | 10.0            | 03/12/2016 | ND              | 220 | 110        | 200           | 2.22 |           |
| EXT DRO >C28-C35 | <b>173</b>  | 10.0            | 03/12/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 107 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/11/2016  
Reported: 03/17/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/11/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #2-NW COMP (H600536-06)**

| BTX 8021B      |        |                 | mg/kg      |              | Analyzed By: MS |            |               |       |           |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/15/2016 | ND           | 2.00            | 99.8       | 2.00          | 1.29  |           |
| Toluene*       | <0.050 | 0.050           | 03/15/2016 | ND           | 1.93            | 96.4       | 2.00          | 1.42  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/15/2016 | ND           | 1.72            | 85.8       | 2.00          | 0.785 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/15/2016 | ND           | 5.26            | 87.7       | 6.00          | 0.123 |           |
| Total BTX      | <0.300 | 0.300           | 03/15/2016 | ND           |                 |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 73.6-140

| Chloride, SM4500Cl-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            | 03/17/2016 | ND           | 400             | 100        | 400           | 0.00 |           |

| TPH 8015M              |             |                 | mg/kg      |              | Analyzed By: MS |            |               |      |           |
|------------------------|-------------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte                | Result      | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10             | <10.0       | 10.0            | 03/14/2016 | ND           | 220             | 110        | 200           | 4.67 |           |
| <b>DRO &gt;C10-C28</b> | <b>46.0</b> | 10.0            | 03/14/2016 | ND           | 236             | 118        | 200           | 7.31 |           |
| EXT DRO >C28-C35       | <10.0       | 10.0            | 03/14/2016 | ND           |                 |            |               |      |           |

Surrogate: 1-Chlorooctane 108 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Caley D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 ENERGY TRANSFER  
 PHILLIP LITTLE  
 P. O. BOX 1226  
 JAL NM, 88252  
 Fax To:

 Received: 03/11/2016  
 Reported: 03/17/2016  
 Project Name: C-2 LINE  
 Project Number: NONE GIVEN  
 Project Location: CHAPMAN RANCH - SE OF JAL, NM

 Sampling Date: 03/11/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: #2-WW COMP (H600536-07)**

| BTEX 8021B     |        |                 | mg/kg      |              | Analyzed By: MS |            |               |       |           |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/15/2016 | ND           | 2.00            | 99.8       | 2.00          | 1.29  |           |
| Toluene*       | <0.050 | 0.050           | 03/15/2016 | ND           | 1.93            | 96.4       | 2.00          | 1.42  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/15/2016 | ND           | 1.72            | 85.8       | 2.00          | 0.785 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/15/2016 | ND           | 5.26            | 87.7       | 6.00          | 0.123 |           |
| Total BTEX     | <0.300 | 0.300           | 03/15/2016 | ND           |                 |            |               |       |           |

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

| Chloride, SM4500Cl-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            | 03/17/2016 | ND           | 400             | 100        | 400           | 0.00 |           |

| TPH 8015M        |        |                 | mg/kg      |              | Analyzed By: MS |            |               |      |           |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 03/14/2016 | ND           | 220             | 110        | 200           | 4.67 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 03/14/2016 | ND           | 236             | 118        | 200           | 7.31 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 03/14/2016 | ND           |                 |            |               |      |           |

Surrogate: 1-Chlorooctane 103 % 35-147

Surrogate: 1-Chlorooctadecane 88.8 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/11/2016  
Reported: 03/17/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/11/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #2-SW COMP (H600536-08)**

| BTEx 8021B     |        |                 | mg/kg      |              |      |            |               |       |           |  | Analyzed By: MS |  |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|--|-----------------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |                 |  |
| Benzene*       | <0.050 | 0.050           | 03/15/2016 | ND           | 2.00 | 99.8       | 2.00          | 1.29  |           |  |                 |  |
| Toluene*       | <0.050 | 0.050           | 03/15/2016 | ND           | 1.93 | 96.4       | 2.00          | 1.42  |           |  |                 |  |
| Ethylbenzene*  | <0.050 | 0.050           | 03/15/2016 | ND           | 1.72 | 85.8       | 2.00          | 0.785 |           |  |                 |  |
| Total Xylenes* | <0.150 | 0.150           | 03/15/2016 | ND           | 5.26 | 87.7       | 6.00          | 0.123 |           |  |                 |  |
| Total BTEx     | <0.300 | 0.300           | 03/15/2016 | ND           |      |            |               |       |           |  |                 |  |

Surrogate: 4-Bromofluorobenzene (PIC) 99.7 % 73.6-140

| Chloride, SM4500Cl-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            | 03/17/2016 | ND           | 400 | 100        | 400           | 0.00 |           |                 |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 03/14/2016 | ND              | 220 | 110        | 200           | 4.67 |           |
| DRO >C10-C28     | 329    | 10.0            | 03/14/2016 | ND              | 236 | 118        | 200           | 7.31 |           |
| EXT DRO >C28-C35 | 55.7   | 10.0            | 03/14/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 104 % 35-147

Surrogate: 1-Chlorooctadecane 96.1 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/11/2016  
Reported: 03/17/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/11/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP-3 COMP (H600536-09)**

| BTX 8021B             |              | mg/kg           |            | Analyzed By: MS |      |            |               |       |           |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte               | Result       | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| <b>Benzene*</b>       | <b>0.737</b> | 0.500           | 03/15/2016 | ND              | 2.00 | 99.8       | 2.00          | 1.29  |           |
| <b>Toluene*</b>       | <b>14.6</b>  | 1.00            | 03/15/2016 | ND              | 1.93 | 96.4       | 2.00          | 1.42  |           |
| <b>Ethylbenzene*</b>  | <b>7.52</b>  | 1.00            | 03/15/2016 | ND              | 1.72 | 85.8       | 2.00          | 0.785 |           |
| <b>Total Xylenes*</b> | <b>49.6</b>  | 3.00            | 03/15/2016 | ND              | 5.26 | 87.7       | 6.00          | 0.123 |           |
| <b>Total BTX</b>      | <b>72.5</b>  | 5.50            | 03/15/2016 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 73.6-140

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>464</b> | 16.0            | 03/17/2016 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M                  |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>GRO C6-C10</b>          | <b>1790</b> | 10.0            | 03/14/2016 | ND              | 220 | 110        | 200           | 4.67 |           |
| <b>DRO &gt;C10-C28</b>     | <b>3820</b> | 10.0            | 03/14/2016 | ND              | 236 | 118        | 200           | 7.31 |           |
| <b>EXT DRO &gt;C28-C35</b> | <b>550</b>  | 10.0            | 03/14/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 185 % 35-147

Surrogate: 1-Chlorooctadecane 124 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

|      |  |
|------|--|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.   |
| ND   | Analyte NOT DETECTED at or above the reporting limit   |
| RPD  | Relative Percent Difference  |
| **   | Samples not received at proper temperature of 6°C or below.  |
| ***  | Insufficient time to reach temperature.  |
| -    | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

---

**Cardinal Laboratories****\*=Accredited Analyte**

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



---

**Celey D. Keene, Lab Director/Quality Manager**





E. TRANSFER

C-2-443 3-19-16  
LOOKING S. WEST



E. TRAMPER  
C-2 - 41 3-10-16  
Looking N. East

E-TRANSFER C-2 #42, 3-17-16  
LOOKING S/EAST



C-2 #42



E. TRANSFER

C-2-44 3-17-16  
LOOKING N/WEST

E. TRAMPER  
C-2-245 3-17-16  
looking S/EAST





E-TRANSFER

C-2 038 5-19-16  
LOOKING WEST



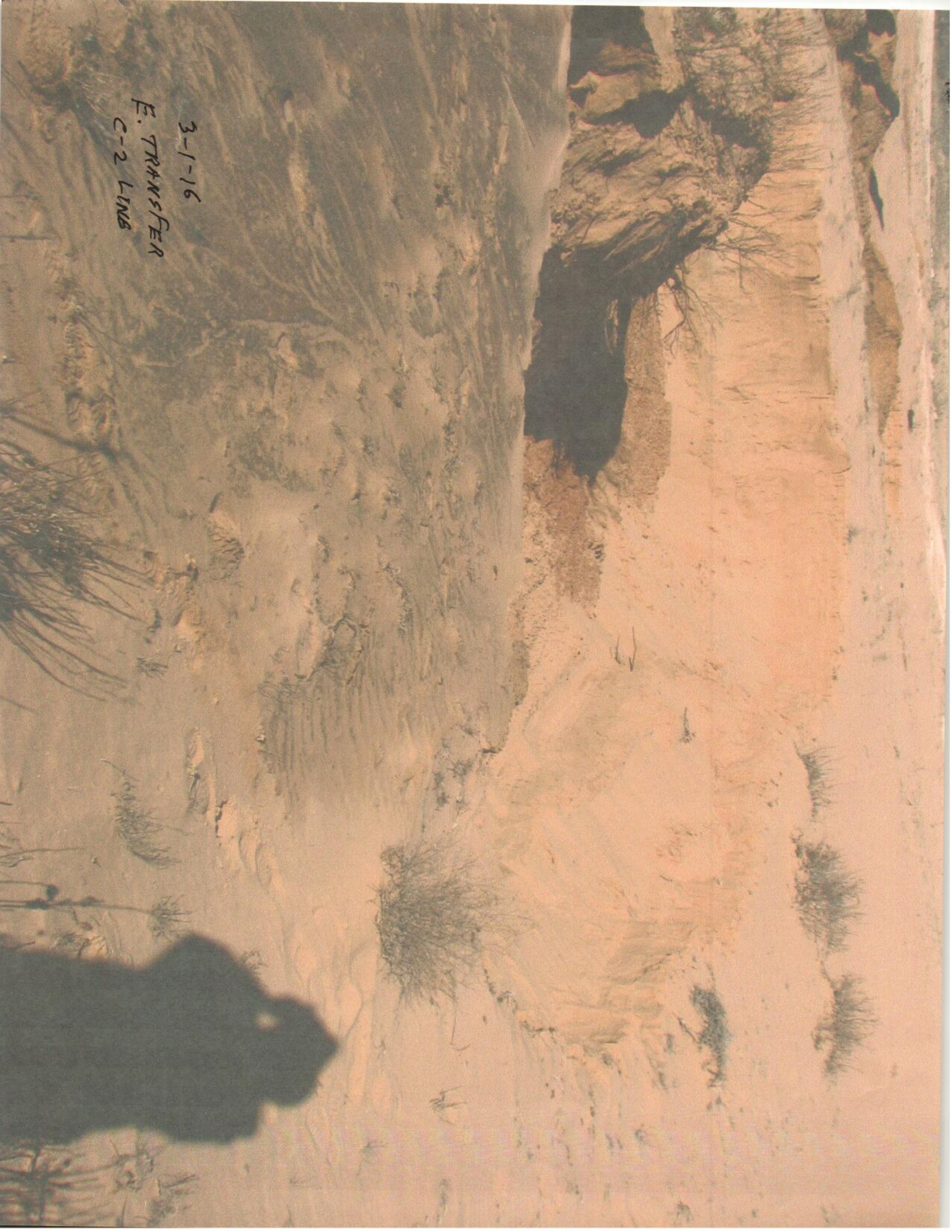
E-1000/1000  
C-1000/1000  
3-10-10  
Looking East



3-1-16

E. TRANSFER  
C-2 LINE

3-1-16  
E. TRANSFER  
C-2 LINS



3-1-16  
E. TRANSFER  
C-2 LINE



March 17, 2016

PHILLIP LITTLE

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: C-2 LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/16/16 15:21.

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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/16/2016  
Reported: 03/17/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/16/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SW - COMP (H600577-01)**

| BTEX 80218     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.200 | 0.200           | 03/17/2016 | ND              | 1.97 | 98.6       | 2.00          | 1.09 |           |
| Toluene*       | 1.42   | 0.200           | 03/17/2016 | ND              | 1.89 | 94.4       | 2.00          | 2.12 |           |
| Ethylbenzene*  | 1.74   | 0.200           | 03/17/2016 | ND              | 1.66 | 83.1       | 2.00          | 2.82 |           |
| Total Xylenes* | 11.3   | 0.600           | 03/17/2016 | ND              | 5.13 | 85.5       | 6.00          | 2.14 |           |
| Total BTEX     | 14.5   | 1.20            | 03/17/2016 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIE) 117 % 73.6-140

| Chloride, SM4500Cl-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            | 03/17/2016 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | 396    | 10.0            | 03/16/2016 | ND              | 187 | 93.6       | 200           | 6.53 |           |
| DRO >C10-C28     | 1390   | 10.0            | 03/16/2016 | ND              | 176 | 87.8       | 200           | 17.1 |           |
| EXT DRO >C28-C35 | 216    | 10.0            | 03/16/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 125 % 35-147

Surrogate: 1-Chlorooctadecane 118 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/16/2016  
Reported: 03/17/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/16/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: NW - COMP (H600577-02)**

| BTEX 80218            |              | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte               | Result       | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Benzene*</b>       | <b>0.504</b> | 0.500           | 03/17/2016 | ND              | 1.97 | 98.6       | 2.00          | 1.09 |           |
| <b>Toluene*</b>       | <b>10.5</b>  | 0.500           | 03/17/2016 | ND              | 1.89 | 94.4       | 2.00          | 2.12 |           |
| <b>Ethylbenzene*</b>  | <b>4.38</b>  | 0.500           | 03/17/2016 | ND              | 1.66 | 83.1       | 2.00          | 2.82 |           |
| <b>Total Xylenes*</b> | <b>25.0</b>  | 1.50            | 03/17/2016 | ND              | 5.13 | 85.5       | 6.00          | 2.14 |           |
| <b>Total BTEX</b>     | <b>40.4</b>  | 3.00            | 03/17/2016 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 73.6-140

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>112</b> | 16.0            | 03/17/2016 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M                  |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>GRO C6-C10</b>          | <b>638</b>  | 10.0            | 03/16/2016 | ND              | 187 | 93.6       | 200           | 6.53 |           |
| <b>DRO &gt;C10-C28</b>     | <b>1090</b> | 10.0            | 03/16/2016 | ND              | 176 | 87.8       | 200           | 17.1 |           |
| <b>EXT DRO &gt;C28-C35</b> | <b>159</b>  | 10.0            | 03/16/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 121 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/16/2016  
Reported: 03/17/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/16/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: EW - COMP (H600577-03)**

| BTEx 8021B      |              | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|-----------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte         | Result       | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*        | <0.050       | 0.050           | 03/17/2016 | ND              | 1.97 | 98.6       | 2.00          | 1.09 |           |
| <b>Toluene*</b> | <b>0.102</b> | 0.050           | 03/17/2016 | ND              | 1.89 | 94.4       | 2.00          | 2.12 |           |
| Ethylbenzene*   | <0.050       | 0.050           | 03/17/2016 | ND              | 1.66 | 83.1       | 2.00          | 2.82 |           |
| Total Xylenes*  | <0.150       | 0.150           | 03/17/2016 | ND              | 5.13 | 85.5       | 6.00          | 2.14 |           |
| Total BTEX      | <0.300       | 0.300           | 03/17/2016 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.6-140

| Chloride, SM4500Cl-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            | 03/17/2016 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M                  |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                 | <10.0       | 10.0            | 03/17/2016 | ND              | 187 | 93.6       | 200           | 6.53 |           |
| DRO >C10-C28               | <10.0       | 10.0            | 03/17/2016 | ND              | 176 | 87.8       | 200           | 17.1 |           |
| <b>EXT DRO &gt;C28-C35</b> | <b>12.3</b> | 10.0            | 03/17/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.6 % 35-147

Surrogate: 1-Chlorooctadecane 100 % 28-171

**Cardinal Laboratories**

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/16/2016  
Reported: 03/17/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/16/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: WW - COMP (H600577-04)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/17/2016 | ND              | 1.97 | 98.6       | 2.00          | 1.09 |           |
| Toluene*       | <0.050 | 0.050           | 03/17/2016 | ND              | 1.89 | 94.4       | 2.00          | 2.12 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/17/2016 | ND              | 1.66 | 83.1       | 2.00          | 2.82 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/17/2016 | ND              | 5.13 | 85.5       | 6.00          | 2.14 |           |
| Total BTEX     | <0.300 | 0.300           | 03/17/2016 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIE) 99.6 % 73.6-140

| Chloride, SM4500Cl-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            | 03/17/2016 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 03/17/2016 | ND              | 187 | 93.6       | 200           | 6.53 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 03/17/2016 | ND              | 176 | 87.8       | 200           | 17.1 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 03/17/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 97.3 % 35-147

Surrogate: 1-Chlorooctadecane 98.7 % 28-171

**Cardinal Laboratories**

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/16/2016  
Reported: 03/17/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/16/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: B - COMP @ 14' (H600577-05)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | 1.26   | 1.00            | 03/17/2016 | ND              | 1.97 | 98.6       | 2.00          | 1.09 |           |
| Toluene*       | 23.9   | 1.00            | 03/17/2016 | ND              | 1.89 | 94.4       | 2.00          | 2.12 |           |
| Ethylbenzene*  | 10.0   | 1.00            | 03/17/2016 | ND              | 1.66 | 83.1       | 2.00          | 2.82 |           |
| Total Xylenes* | 66.9   | 3.00            | 03/17/2016 | ND              | 5.13 | 85.5       | 6.00          | 2.14 |           |
| Total BTX      | 102    | 6.00            | 03/17/2016 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIB) 110 % 73.6-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 368    | 16.0            | 03/17/2016 | ND              | 432 | 108        | 400           | 0.00 |           |
| TPH 8015M            |        |                 |            |                 |     |            |               |      | S-04      |

| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
|------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| GRO C6-C10       | 2070   | 10.0            | 03/17/2016 | ND           | 187 | 93.6       | 200           | 6.53 |           |
| DRO >C10-C28     | 3680   | 10.0            | 03/17/2016 | ND           | 176 | 87.8       | 200           | 17.1 |           |
| EXT DRO >C28-C35 | 563    | 10.0            | 03/17/2016 | ND           |     |            |               |      |           |

Surrogate: 1-Chlorooctane 179 % 35-147

Surrogate: 1-Chlorooctadecane 133 % 28-171

**Cardinal Laboratories**

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/16/2016  
Reported: 03/17/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/16/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: C - COMP @ 4' (H600577-06)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.100 | 0.100           | 03/17/2016 | ND              | 1.97 | 98.6       | 2.00          | 1.09 |           |
| Toluene*       | 0.327  | 0.100           | 03/17/2016 | ND              | 1.89 | 94.4       | 2.00          | 2.12 |           |
| Ethylbenzene*  | 0.837  | 0.100           | 03/17/2016 | ND              | 1.66 | 83.1       | 2.00          | 2.82 |           |
| Total Xylenes* | 6.17   | 0.300           | 03/17/2016 | ND              | 5.13 | 85.5       | 6.00          | 2.14 |           |
| Total BTEx     | 7.33   | 0.600           | 03/17/2016 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIE) 130 % 73.6-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 208    | 16.0            | 03/17/2016 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | 234    | 10.0            | 03/17/2016 | ND              | 187 | 93.6       | 200           | 6.53 |           |
| DRO >C10-C28     | 1970   | 10.0            | 03/17/2016 | ND              | 176 | 87.8       | 200           | 17.1 |           |
| EXT DRO >C28-C35 | 364    | 10.0            | 03/17/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 121 % 35-147

Surrogate: 1-Chlorooctadecane 116 % 28-171

**Cardinal Laboratories**

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/16/2016  
Reported: 03/17/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/16/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: E - COMP @ 3' (H600577-07)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.500 | 0.500           | 03/17/2016 | ND              | 1.97 | 98.6       | 2.00          | 1.09 |           |
| Toluene*       | 7.28   | 0.500           | 03/17/2016 | ND              | 1.89 | 94.4       | 2.00          | 2.12 |           |
| Ethylbenzene*  | 2.73   | 0.500           | 03/17/2016 | ND              | 1.66 | 83.1       | 2.00          | 2.82 |           |
| Total Xylenes* | 22.5   | 1.50            | 03/17/2016 | ND              | 5.13 | 85.5       | 6.00          | 2.14 |           |
| Total BTX      | 32.5   | 3.00            | 03/17/2016 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 73.6-140

| Chloride, SM4500Cl-B |        | mg/kg           |                 | Analyzed By: AP |     |            |               |      |           |  |
|----------------------|--------|-----------------|-----------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed        | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 352    | 16.0            | 03/17/2016      | ND              | 432 | 108        | 400           | 0.00 |           |  |
| TPH 8015M            | mg/kg  |                 | Analyzed By: MS |                 |     |            |               |      | S-06      |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               | S-06 |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | 731    | 50.0            | 03/17/2016 | ND              | 187 | 93.6       | 200           | 6.53 |           |
| DRO >C10-C28     | 5850   | 50.0            | 03/17/2016 | ND              | 176 | 87.8       | 200           | 17.1 |           |
| EXT DRO >C28-C35 | 1220   | 50.0            | 03/17/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 153 % 35-147

Surrogate: 1-Chlorooctadecane 167 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**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.  |
| S-04  | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.  |
| QR-02 | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. |
| 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<br>Samples reported on an as received basis (wet) unless otherwise noted on report  |

---

Cardinal Laboratories

\*=Accredited Analyte

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



---

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

|  |  |                            |  |                              |  |                         |  |
|--|--|----------------------------|--|------------------------------|--|-------------------------|--|
| Company Name: <b>ENERGY TRANSFER</b>   |  | P.O. #:                    |  | <b>BILL TO</b>               |  | <b>ANALYSIS REQUEST</b> |  |
| Project Manager: <b>Philip Little</b>  |  |                            |  |                              |  |                         |  |
| Address:                               |  | City: <b>JAL</b>           |  | State: <b>NM</b>             |  | Zip: <b>88252</b>       |  |
| Phone #: <b>575-631-4540</b>           |  | Fax #:                     |  | Attn: <b>P. Little</b>       |  |                         |  |
| Project #:                             |  | Project Owner: <b>E.T.</b> |  | Address:                     |  |                         |  |
| Project Name: <b>C-2 LINS</b>          |  | Chapman Ranch              |  | City: <b>JAL</b>             |  |                         |  |
| Project Location: <b>SE of JAL NM.</b> |  | State: <b>NM</b>           |  | Zip: <b>88252</b>            |  |                         |  |
| Sample Name: <b>Don Green</b>          |  | Fax #:                     |  | Phone #: <b>575-631-4540</b> |  |                         |  |

| Lab I.D.       | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | MATRIX | PRESERV | SAMPLING | TIME | TPH | BTEX | CL |
|----------------|-------------|-------------------|--------------|-------------|------------|--------|---------|----------|------|-----|------|----|
| <b>H000577</b> | SW-Comp.    | C                 | 1            |             |            | ✓      |         | 3/14/16  | 1:00 | ✓   | ✓    | ✓  |
|                | NW-Comp.    | C                 | 1            |             |            | ✓      |         | 3/14/16  | 1:00 | ✓   | ✓    | ✓  |
|                | EW-Comp.    | C                 | 1            |             |            | ✓      |         | 3/14/16  | 1:00 | ✓   | ✓    | ✓  |
|                | WW-Comp.    | C                 | 1            |             |            | ✓      |         | 3/14/16  | 1:00 | ✓   | ✓    | ✓  |
|                | B-Comp.     | C                 | 1            |             |            | ✓      |         | 3/14/16  | 1:00 | ✓   | ✓    | ✓  |
|                | C-Comp.     | C                 | 1            |             |            | ✓      |         | 3/14/16  | 1:00 | ✓   | ✓    | ✓  |
|                | E-Comp.     | C                 | 1            |             |            | ✓      |         | 3/14/16  | 1:00 | ✓   | ✓    | ✓  |

|  |  |   |  |
|--|--|---|--|
| Relinquished By: <b>Don Green</b><br>Date: <b>3-16-16</b><br>Time: <b>3:21</b> |  | Received By: <b>John Jensen</b><br>Date: <b>3-21</b><br>Time: <b>3:21</b>   |  |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other: <b>4.80c</b>        |  | Sample Condition<br>Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/><br>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/><br>No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> |  |
| Reinquished By: <b>Don Green</b><br>Date: <b>3-16-16</b><br>Time: <b>3:21</b>  |  | Received By: <b>John Jensen</b><br>Date: <b>3-21</b><br>Time: <b>3:21</b>   |  |

|  |  |  |  |
|--|--|--|--|
| Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Add'l Phone #: _____ |  | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Add'l Fax #: _____ |  |
| REMARKS: <b>RUSH</b>   |  |  |  |

March 18, 2016

PHILLIP LITTLE

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: C-2 LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/17/16 15:55.

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 [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Caley D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 03/17/2016  
Reported: 03/18/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 03/17/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: E COMP @ 5' (H600592-01)**

| TPH 8015M                     | mg/kg  | Analyzed By: MS |            |              |     |            | S-06          |       |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                    | 1910   | 50.0            | 03/18/2016 | ND           | 177 | 88.7       | 200           | 0.503 |           |
| DRO >C10-C28                  | 4800   | 50.0            | 03/18/2016 | ND           | 178 | 89.2       | 200           | 0.477 |           |
| EXT DRO >C28-C35              | 734    | 50.0            | 03/18/2016 | ND           |     |            |               |       |           |
| Surrogate: 1-Chlorooctane     | 163 %  | 35-147          |            |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 151 %  | 28-171          |            |              |     |            |               |       |           |

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

|      |  |
|------|--|
| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
| ND   | Analyte NOT DETECTED at or above the reporting limit   |
| RPD  | Relative Percent Difference  |
| **   | Samples not received at proper temperature of 6°C or below.  |
| ***  | Insufficient time to reach temperature.  |
| -    | Chloride by SM4500Cl-B does not require samples be received at or below 6°C  |
|      | Samples reported on an as received basis (wet) unless otherwise noted on report  |

---

Cardinal Laboratories

\*=Accredited Analyte

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



---

Celey D. Keene, Lab Director/Quality Manager



3-1-16  
E. TRANSFER  
C-2 LINE

C-2  
P-#34





C-2 line

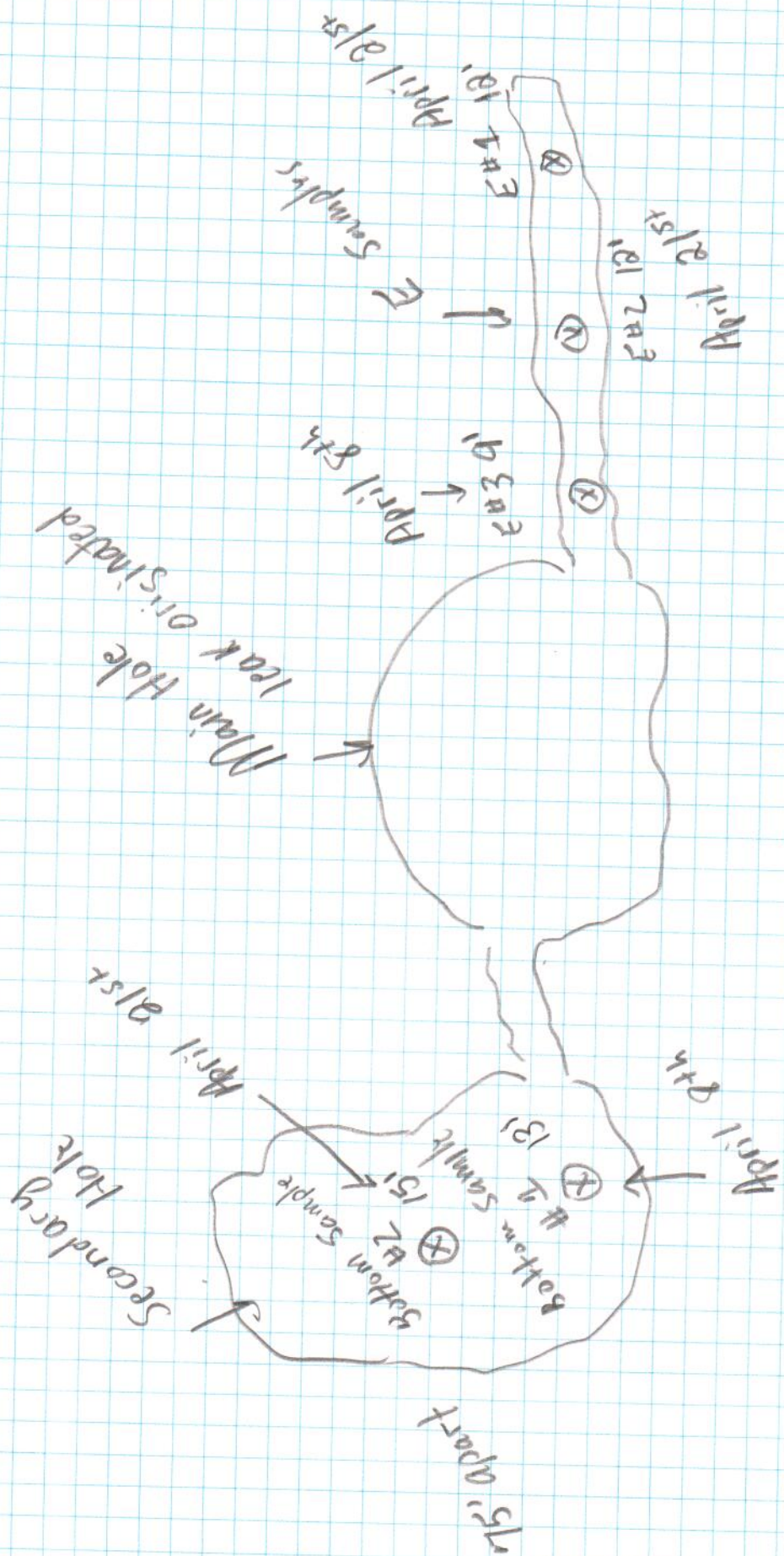
p #35



C-2 line  
P. #36

C-2 line  
p. #37





April 08, 2016

PHILLIP LITTLE

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: C-2 LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/05/16 13:45.

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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 ENERGY TRANSFER  
 PHILLIP LITTLE  
 P. O. BOX 1226  
 JAL NM, 88252  
 Fax To:

 Received: 04/05/2016  
 Reported: 04/08/2016  
 Project Name: C-2 LINE  
 Project Number: NONE GIVEN  
 Project Location: CHAPMAN RANCH - SE OF JAL, NM

 Sampling Date: 04/05/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: BOTTOM #1 13' (H600723-01)**

| BTEX 8021B            |              | mg/kg           | Analyzed By: MS |              |      |            |               |      |           |
|-----------------------|--------------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte               | Result       | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*              | <0.050       | 0.050           | 04/07/2016      | ND           | 1.98 | 98.8       | 2.00          | 2.71 |           |
| Toluene*              | <0.050       | 0.050           | 04/07/2016      | ND           | 1.88 | 94.0       | 2.00          | 3.17 |           |
| Ethylbenzene*         | <0.050       | 0.050           | 04/07/2016      | ND           | 1.67 | 83.4       | 2.00          | 4.10 |           |
| <b>Total Xylenes*</b> | <b>0.359</b> | 0.150           | 04/07/2016      | ND           | 5.17 | 86.1       | 6.00          | 4.65 |           |
| <b>Total BTEX</b>     | <b>0.359</b> | 0.300           | 04/07/2016      | ND           |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 73.6-140

| Chloride, SM4500Cl-B |             | mg/kg           | Analyzed By: AP |              |     |            |               |      |           |
|----------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>48.0</b> | 16.0            | 04/07/2016      | 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 |
| <b>GRO C6-C10</b>      | <b>30.2</b> | 10.0            | 04/06/2016      | ND           | 178 | 89.0       | 200           | 1.81 |           |
| <b>DRO &gt;C10-C28</b> | <b>193</b>  | 10.0            | 04/06/2016      | ND           | 170 | 85.0       | 200           | 4.37 |           |
| EXT DRO >C28-C35       | <10.0       | 10.0            | 04/06/2016      | ND           |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.8 % 35-147

Surrogate: 1-Chlorooctadecane 83.0 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 04/05/2016  
Reported: 04/08/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 04/05/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: BOTTOM #2 13' (H600723-02)**

| BTX 8021B             |             | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte               | Result      | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Benzene*</b>       | <b>20.1</b> | 1.00            | 04/07/2016 | ND              | 1.98 | 98.8       | 2.00          | 2.71 |           |
| <b>Toluene*</b>       | <b>84.7</b> | 1.00            | 04/07/2016 | ND              | 1.88 | 94.0       | 2.00          | 3.17 |           |
| <b>Ethylbenzene*</b>  | <b>13.6</b> | 1.00            | 04/07/2016 | ND              | 1.67 | 83.4       | 2.00          | 4.10 |           |
| <b>Total Xylenes*</b> | <b>58.1</b> | 3.00            | 04/07/2016 | ND              | 5.17 | 86.1       | 6.00          | 4.65 |           |
| <b>Total BTX</b>      | <b>177</b>  | 6.00            | 04/07/2016 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 73.6-140

| Chloride, SM4500Cl-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            | 04/07/2016 | 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 |
| <b>GRO C6-C10</b>          | <b>2240</b> | 10.0            | 04/06/2016 | ND              | 178 | 89.0       | 200           | 1.81 |           |
| <b>DRO &gt;C10-C28</b>     | <b>1170</b> | 10.0            | 04/06/2016 | ND              | 170 | 85.0       | 200           | 4.37 |           |
| <b>EXT DRO &gt;C28-C35</b> | <b>90.5</b> | 10.0            | 04/06/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 118 % 35-147

Surrogate: 1-Chlorooctadecane 88.1 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 04/05/2016  
Reported: 04/08/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 04/05/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: E - SAMPLE 1 9' (H600723-03)**

| BTX 8021B             |             | mg/kg           | Analyzed By: MS |              |      |            |               |      |           |
|-----------------------|-------------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte               | Result      | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Benzene*</b>       | <b>8.49</b> | 2.00            | 04/07/2016      | ND           | 1.98 | 98.8       | 2.00          | 2.71 |           |
| <b>Toluene*</b>       | <b>68.4</b> | 2.00            | 04/07/2016      | ND           | 1.88 | 94.0       | 2.00          | 3.17 |           |
| <b>Ethylbenzene*</b>  | <b>16.8</b> | 2.00            | 04/07/2016      | ND           | 1.67 | 83.4       | 2.00          | 4.10 |           |
| <b>Total Xylenes*</b> | <b>83.6</b> | 6.00            | 04/07/2016      | ND           | 5.17 | 86.1       | 6.00          | 4.65 |           |
| <b>Total BTX</b>      | <b>177</b>  | 12.0            | 04/07/2016      | ND           |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 73.6-140

| Chloride, SM4500Cl-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            | 04/07/2016      | 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 |
| <b>GRO C6-C10</b>          | <b>2860</b> | 10.0            | 04/06/2016      | ND           | 178 | 89.0       | 200           | 1.81 |           |
| <b>DRO &gt;C10-C28</b>     | <b>2890</b> | 10.0            | 04/06/2016      | ND           | 170 | 85.0       | 200           | 4.37 |           |
| <b>EXT DRO &gt;C28-C35</b> | <b>329</b>  | 10.0            | 04/06/2016      | ND           |     |            |               |      |           |

Surrogate: 1-Chlorooctane 122 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 04/05/2016  
Reported: 04/08/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 04/05/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: E - SAMPLE 2 9' (H600723-04)**

| BTX 8021B             |             | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte               | Result      | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Benzene*</b>       | <b>5.78</b> | 0.500           | 04/07/2016 | ND              | 1.98 | 98.8       | 2.00          | 2.71 |           |
| <b>Toluene*</b>       | <b>29.1</b> | 0.500           | 04/07/2016 | ND              | 1.88 | 94.0       | 2.00          | 3.17 |           |
| <b>Ethylbenzene*</b>  | <b>6.26</b> | 0.500           | 04/07/2016 | ND              | 1.67 | 83.4       | 2.00          | 4.10 |           |
| <b>Total Xylenes*</b> | <b>26.9</b> | 1.50            | 04/07/2016 | ND              | 5.17 | 86.1       | 6.00          | 4.65 |           |
| <b>Total BTX</b>      | <b>68.0</b> | 3.00            | 04/07/2016 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 73.6-140

| Chloride, SM4500Cl-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            | 04/07/2016 | 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 |
| <b>GRO C6-C10</b>          | <b>1180</b> | 10.0            | 04/06/2016 | ND              | 178 | 89.0       | 200           | 1.81 |           |
| <b>DRO &gt;C10-C28</b>     | <b>891</b>  | 10.0            | 04/06/2016 | ND              | 170 | 85.0       | 200           | 4.37 |           |
| <b>EXT DRO &gt;C28-C35</b> | <b>48.2</b> | 10.0            | 04/06/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 113 % 35-147

Surrogate: 1-Chlorooctadecane 90.7 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 04/05/2016  
Reported: 04/08/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 04/05/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: E - SAMPLE 3 9' (H600723-05)**

| BTEX 8021B     |        | mg/kg           | Analyzed By: MS |              |      |            |               |      |           |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/07/2016      | ND           | 1.98 | 98.8       | 2.00          | 2.71 |           |
| Toluene*       | <0.050 | 0.050           | 04/07/2016      | ND           | 1.88 | 94.0       | 2.00          | 3.17 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/07/2016      | ND           | 1.67 | 83.4       | 2.00          | 4.10 |           |
| Total Xylenes* | <0.150 | 0.150           | 04/07/2016      | ND           | 5.17 | 86.1       | 6.00          | 4.65 |           |
| Total BTEX     | <0.300 | 0.300           | 04/07/2016      | ND           |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 73.6-140

| Chloride, SM4500Cl-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            | 04/07/2016      | 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            | 04/06/2016      | ND           | 178 | 89.0       | 200           | 1.81 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 04/06/2016      | ND           | 170 | 85.0       | 200           | 4.37 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 04/06/2016      | ND           |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.1 % 35-147

Surrogate: 1-Chlorooctadecane 91.4 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 04/05/2016  
Reported: 04/08/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 04/05/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

### Sample ID: MIDDLE BOTTOM (H600723-06)

| BTX 8021B             |             | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte               | Result      | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Benzene*</b>       | <b>17.0</b> | 2.00            | 04/07/2016 | ND              | 1.98 | 98.8       | 2.00          | 2.71 |           |
| <b>Toluene*</b>       | <b>143</b>  | 2.00            | 04/07/2016 | ND              | 1.88 | 94.0       | 2.00          | 3.17 |           |
| <b>Ethylbenzene*</b>  | <b>34.9</b> | 2.00            | 04/07/2016 | ND              | 1.67 | 83.4       | 2.00          | 4.10 |           |
| <b>Total Xylenes*</b> | <b>184</b>  | 6.00            | 04/07/2016 | ND              | 5.17 | 86.1       | 6.00          | 4.65 |           |
| <b>Total BTX</b>      | <b>379</b>  | 12.0            | 04/07/2016 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 73.6-140

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>144</b> | 16.0            | 04/07/2016 | 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 |
| <b>GRO C6-C10</b>          | <b>3620</b> | 10.0            | 04/06/2016 | ND              | 178 | 89.0       | 200           | 1.81 |           |
| <b>DRO &gt;C10-C28</b>     | <b>5270</b> | 10.0            | 04/06/2016 | ND              | 170 | 85.0       | 200           | 4.37 |           |
| <b>EXT DRO &gt;C28-C35</b> | <b>712</b>  | 10.0            | 04/06/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 139 % 35-147

Surrogate: 1-Chlorooctadecane 138 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**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

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



---

Celey D. Keene, Lab Director/Quality Manager



April 21, 2016

PHILLIP LITTLE

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: C-2 LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/15/16 10:40.

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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 04/15/2016  
Reported: 04/21/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 04/15/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: E 1 12' (H600823-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/15/2016 | ND              | 2.06 | 103        | 2.00          | 5.88 |           |
| Toluene*       | <0.050 | 0.050           | 04/15/2016 | ND              | 1.95 | 97.7       | 2.00          | 6.73 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/15/2016 | ND              | 1.74 | 86.9       | 2.00          | 6.74 |           |
| Total Xylenes* | <0.150 | 0.150           | 04/15/2016 | ND              | 5.38 | 89.6       | 6.00          | 6.09 |           |
| Total BTEX     | <0.300 | 0.300           | 04/15/2016 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 73.6-140

| Chloride, SM4500Cl-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            | 04/18/2016 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 04/15/2016 | ND              | 182 | 90.8       | 200           | 6.71 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 04/15/2016 | ND              | 193 | 96.7       | 200           | 6.92 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 04/15/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 86.9 % 35-147

Surrogate: 1-Chlorooctadecane 97.3 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 04/15/2016  
Reported: 04/21/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 04/15/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: E 2 12' (H600823-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/15/2016 | ND              | 2.06 | 103        | 2.00          | 5.88 |           |
| Toluene*       | <0.050 | 0.050           | 04/15/2016 | ND              | 1.95 | 97.7       | 2.00          | 6.73 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/15/2016 | ND              | 1.74 | 86.9       | 2.00          | 6.74 |           |
| Total Xylenes* | <0.150 | 0.150           | 04/15/2016 | ND              | 5.38 | 89.6       | 6.00          | 6.09 |           |
| Total BTEX     | <0.300 | 0.300           | 04/15/2016 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 73.6-140

| Chloride, SM4500Cl-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            | 04/18/2016 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 04/15/2016 | ND              | 182 | 90.8       | 200           | 6.71 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 04/15/2016 | ND              | 193 | 96.7       | 200           | 6.92 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 04/15/2016 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 91.7 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

ENERGY TRANSFER  
PHILLIP LITTLE  
P. O. BOX 1226  
JAL NM, 88252  
Fax To:

Received: 04/15/2016  
Reported: 04/21/2016  
Project Name: C-2 LINE  
Project Number: NONE GIVEN  
Project Location: CHAPMAN RANCH - SE OF JAL, NM

Sampling Date: 04/15/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: BOTTOM #2 15' (H600823-03)**

| BTEX 8021B     |        | mg/kg           | Analyzed By: MS |              |      |            |               |      |           |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/15/2016      | ND           | 2.06 | 103        | 2.00          | 5.88 |           |
| Toluene*       | <0.050 | 0.050           | 04/15/2016      | ND           | 1.95 | 97.7       | 2.00          | 6.73 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/15/2016      | ND           | 1.74 | 86.9       | 2.00          | 6.74 |           |
| Total Xylenes* | <0.150 | 0.150           | 04/15/2016      | ND           | 5.38 | 89.6       | 6.00          | 6.09 |           |
| Total BTEX     | <0.300 | 0.300           | 04/15/2016      | ND           |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 73.6-140

| Chloride, SM4500Cl-B |        | mg/kg           | Analyzed By: AP |              |     |            |               |      |           |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 04/18/2016      | ND           | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           | Analyzed By: MS |              |     |            |               |      |           |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 04/15/2016      | ND           | 182 | 90.8       | 200           | 6.71 |           |
| DRO >C10-C28     | 246    | 10.0            | 04/15/2016      | ND           | 193 | 96.7       | 200           | 6.92 |           |
| EXT DRO >C28-C35 | 32.0   | 10.0            | 04/15/2016      | ND           |     |            |               |      |           |

Surrogate: 1-Chlorooctane 85.7 % 35-147

Surrogate: 1-Chlorooctadecane 107 % 28-171

**Cardinal Laboratories**

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**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

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



---

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

BILL TO

ANALYSIS REQUEST

Company Name:

Project Manager:

Address:

City:

Phone #:

Project #:

Project Name:

Project Location:

Sample Name:

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

Lab I.D.

Sample I.D.

H600823-

01

02

03

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

Chloride  
BTEx  
TPH

PLEASE NOTE: Liability and Damages, Cardinal's liability and clients' exclusions remain for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the 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 service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated theories or otherwise.

Relinquished By:

Received By:

Relinquished By:

Received By:

Delivered By: (Circle One)

Corrected 4.7°C

Sampler - UPS - Bus - Other:

4.0°C

Sample Condition  
Cool ☒ Intact ☒  
Yes ☒ No ☐

CHECKED BY:

cmk

TSY

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

REMARKS:

Email results to:  
Emmanuel @ pather energy. net  
ph.11ip









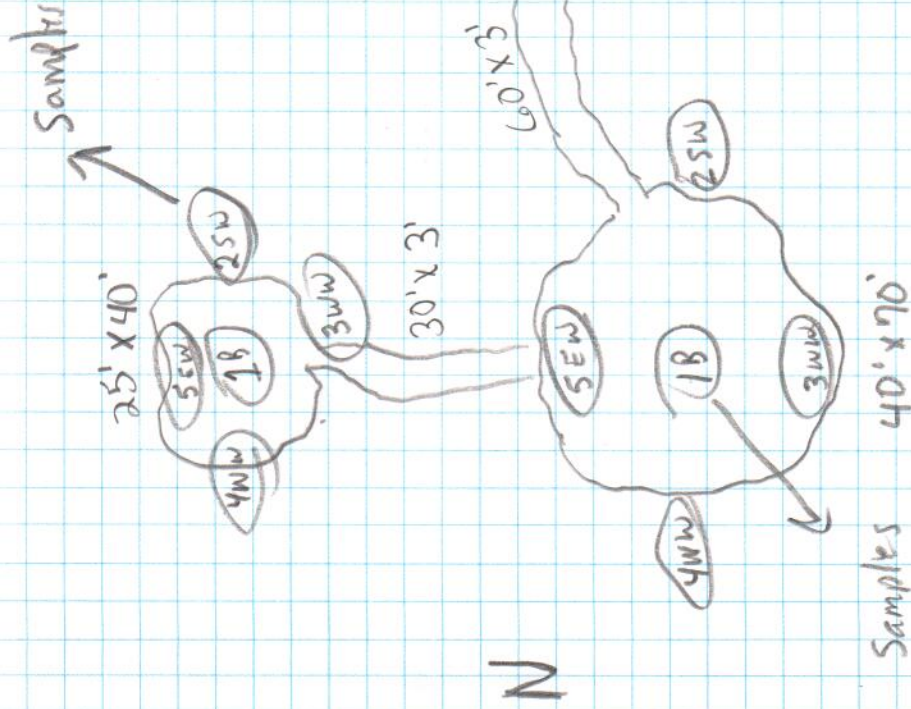
Energy Transfer  
C-2 Line 6" lateral

1-18-116

Sect 11 T26S R37E

Johnny Chapman

E



Ground Water 120'  
Target Numbers < TPH = 5000 ppm  
Chlorides = 1000 ppm

W