



P.O. Box 2587 • Hobbs, NM 88241 • Phone: (575) 397-4961 • todd@trinityoilfieldservices.com

October 31, 2016

Mike Bratcher  
Oil Conservation Division, EMNRD  
Environmental Specialist  
811 S. First  
Artesia, NM 88210

RE: Work Plan

BTA Oil Producers  
Ogden Gas Line  
G-29-23S-28E 19800 FNL & 1830 FEL  
API - 30-015-24206  
RP GPS - 32.275920 -104.098712  
2RP-3996

Mike,

Trinity Oilfield Services is representing BTA Oil Producers in the Accidental Release (AR) for the Ogden Gas Line. On July 15th the abandoned gas line ruptured. It appears that a valve to the shut in gas line failed and allowed pressure to go down the line and ultimately fail. The well was immediately shut in. Approximately 20 bbl of fluid was release. An initial sampling event and cleanup took place along with excavation of the ruptured line.

### **Delineation**

BTA performed a sampling event on July 21, 2016. 21 sample points were selected and samples were pulled from surface and the excavated pipeline area along with 2 background samples. The results of this event and a sample map can be found attached as Exhibit A & B. It is believed that groundwater is less than 50'. This map can be found in Exhibit C. A back drag of the area was performed at the same time.

Trinity performed another sampling event on October 13, 2016. 17 samples were pulled from 6 sample points on the surface to 6' along with 3 background sample points on the surface and 2'. The results of this event and sample map can be found in Exhibit D & E. SP1 & SP2 were pulled in the excavated pipeline trench.

## **Conclusion**

After carefully analyzing all of the data and consulting with our client, Trinity is proposing the following remediation. Trinity would like to excavate the Effected Area (EA) in SP1, SP2 to a depth of 1' inside the trench. Haul the contaminated soil to the nearest disposal. Backfill the EA with clean soil appropriate for the location.

Upon completion of this work plan Trinity will submit a closure report. Please feel free to contact me with any questions or concerns regarding this matter.

Sincerely,

Todd Roberson  
President  
Trinity Oilfield Services & Rentals, LLC.

CC Clay Tipton, BTA Oil Producers.

Attachments: Exhibit A,B,C,D, & E  
C-141

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised March 17, 1999

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

## Release Notification and Corrective Action

### OPERATOR

☒ Initial Report ☐ Final Report

|                 |   |  |                       |
|-----------------|---|--|-----------------------|
| Name of Company | BTA Oil Producers LLC   | Contact <input type="checkbox"/>       | Pam Inskeep           |
| Address         | 104 S. Pecos, Midland, TX 79701   | Telephone No. <input type="checkbox"/> | (432) 682-3753        |
| Facility Name   | Ogden 20509 JV-P #1 gas flowline<br>30-015-24206 32.277824, -104.106971 | Facility Type <input type="checkbox"/> | Flowline (not in use) |

|               |         |               |  |                                    |            |
|---------------|---------|---------------|--|------------------------------------|------------|
| Surface Owner | Onsurez | Mineral Owner |  | Lease No. <input type="checkbox"/> | NMNM100335 |
|---------------|---------|---------------|--|------------------------------------|------------|

### LOCATION OF RELEASE

|             |         |          |       |               |                  |               |                |                                 |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|---------------------------------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County <input type="checkbox"/> |
| G (batt)    | 29      | 23S      | 28E   | 1980          | North            | 1830          | East           | Eddy                            |

### NATURE OF RELEASE

|                                   |   |   |   |   |                 |
|-----------------------------------|---|---|---|---|-----------------|
| Type of Release                   | Minor   | Volume of Release                         | 20 BW   | Volume Recovered <input type="checkbox"/>           | 0               |
| Source of Release                 | line explosion  | Date and Hour of Occurrence               | 11 pm 07/15/2016                                      | Date and Hour of Discovery <input type="checkbox"/> | 11 pm 7/15/2016 |
| Was Immediate Notice Given?       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?                          | Heather Patterson – NMOCD Carlsbad BLM, Shelly Tucker |   |                 |
| By Whom? <input type="checkbox"/> | Pam Inskeep   | Date and Hour <input type="checkbox"/>    | 4:30 pm 07/18/2016                                    |   |                 |
| Was a Watercourse Reached?        | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                       | If YES, Volume Impacting the Watercourse. |   |   |                 |

If a Watercourse was Impacted, Describe Fully.\*  
N/A

Describe Cause of Problem and Remedial Action Taken.\*

State police called BTA emergency #, field foreman was contacted and pumper went immediately to the location.

Emergency vehicles from Loving County were already there. This is an abandoned gas line. There was some water in the line, 20 BW estimated released from the line.

BTA excavated and sampled, will dispose of at R360. We will evaluate and repair or replace. BTA is consulting with Mike Bratcher on the clean up.

Estimate 25'x10' excavated hole  
Estimate 5'x5' original hole

Describe Area Affected and Cleanup Action Taken.\*

See above explanation

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

|  |                         |   |                                   |
|--|-------------------------|---|-----------------------------------|
| Signature:                             |                         | <u>OIL CONSERVATION DIVISION</u>                          |                                   |
| Printed Name: Pam Inskeep              |                         | Approved by <input type="checkbox"/> District Supervisor: |                                   |
| Title: Regulatory Administrator        | Approval Date:          | Expiration Date:  |                                   |
| Date: 07/25/2016 Phone: (432) 682-3753 | Conditions of Approval: |   | Attached <input type="checkbox"/> |

\* Attach Additional Sheets If Necessary

# Exhibit A



OGDEN GAS LINE AR

**Legend**

- EXCAVATED LINE
- RELEASE AREA
- SAMPLE POINTS



# Exhibit B

July 26, 2016

CLAY TIPTON

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: OGDEN GAS LILNE

Enclosed are the results of analyses for samples received by the laboratory on 07/21/16 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](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

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**Analytical Results For:**

BTA Oil Producers  
CLAY TIPTON  
103 South Pecos  
Midland TX, 79701  
Fax To: (432) 683-0312

Received: 07/21/2016  
Reported: 07/26/2016  
Project Name: OGDEN GAS LILNE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #1 (H601633-01)**

| 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           | 07/22/2016 | ND              | 2.14 | 107        | 2.00          | 1.44 |           |
| Toluene*       | <0.050 | 0.050           | 07/22/2016 | ND              | 2.17 | 108        | 2.00          | 1.77 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/22/2016 | ND              | 2.05 | 102        | 2.00          | 2.60 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/22/2016 | ND              | 6.19 | 103        | 6.00          | 2.20 |           |
| Total BTEX     | <0.300 | 0.300           | 07/22/2016 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PII) 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             | 928    | 16.0            | 07/21/2016 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M    |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte      | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10   | <10.0  | 10.0            | 07/21/2016 | ND              | 184 | 92.0       | 200           | 3.74 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 07/21/2016 | ND              | 187 | 93.7       | 200           | 5.11 |           |

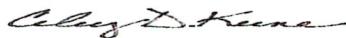
Surrogate: 1-Chlorooctane 78.3 % 35-147

Surrogate: 1-Chlorooctadecane 92.4 % 28-171

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BTA Oil Producers  
 CLAY TIPTON  
 103 South Pecos  
 Midland TX, 79701  
 Fax To: (432) 683-0312

 Received: 07/21/2016  
 Reported: 07/26/2016  
 Project Name: OGDEN GAS LILNE  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 07/21/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: #2 (H601633-02)**

| 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           | 07/22/2016 | ND              | 2.14 | 107        | 2.00          | 1.44 |           |
| Toluene*       | <0.050 | 0.050           | 07/22/2016 | ND              | 2.17 | 108        | 2.00          | 1.77 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/22/2016 | ND              | 2.05 | 102        | 2.00          | 2.60 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/22/2016 | ND              | 6.19 | 103        | 6.00          | 2.20 |           |
| Total BTEX     | <0.300 | 0.300           | 07/22/2016 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 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             | 2600   | 16.0            | 07/21/2016 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M    |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte      | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10   | <10.0  | 10.0            | 07/21/2016 | ND              | 184 | 92.0       | 200           | 3.74 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 07/21/2016 | ND              | 187 | 93.7       | 200           | 5.11 |           |

Surrogate: 1-Chlorooctane 79.4 % 35-147

Surrogate: 1-Chlorooctadecane 90.6 % 28-171

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 BTA Oil Producers  
 CLAY TIPTON  
 103 South Pecos  
 Midland TX, 79701  
 Fax To: (432) 683-0312

 Received: 07/21/2016  
 Reported: 07/26/2016  
 Project Name: OGDEN GAS LILNE  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 07/21/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: #3 (H601633-03)**

| 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           | 07/22/2016 | ND              | 2.14 | 107        | 2.00          | 1.44 |           |
| Toluene*       | <0.050 | 0.050           | 07/22/2016 | ND              | 2.17 | 108        | 2.00          | 1.77 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/22/2016 | ND              | 2.05 | 102        | 2.00          | 2.60 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/22/2016 | ND              | 6.19 | 103        | 6.00          | 2.20 |           |
| Total BTEX     | <0.300 | 0.300           | 07/22/2016 | 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             | 752    | 16.0            | 07/21/2016 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M    |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte      | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10   | <10.0  | 10.0            | 07/21/2016 | ND              | 184 | 92.0       | 200           | 3.74 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 07/21/2016 | ND              | 187 | 93.7       | 200           | 5.11 |           |

Surrogate: 1-Chlorooctane 93.8 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 BTA Oil Producers  
 CLAY TIPTON  
 103 South Pecos  
 Midland TX, 79701  
 Fax To: (432) 683-0312

 Received: 07/21/2016  
 Reported: 07/26/2016  
 Project Name: OGDEN GAS LILNE  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 07/21/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: #4 (H601633-04)**

| 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           | 07/22/2016      | ND           | 2.14 | 107        | 2.00          | 1.44 |           |
| Toluene*       | <0.050 | 0.050           | 07/22/2016      | ND           | 2.17 | 108        | 2.00          | 1.77 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/22/2016      | ND           | 2.05 | 102        | 2.00          | 2.60 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/22/2016      | ND           | 6.19 | 103        | 6.00          | 2.20 |           |
| Total BTX      | <0.300 | 0.300           | 07/22/2016      | ND           |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIL) 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             | 3040   | 16.0            | 07/21/2016      | ND           | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M    |        | mg/kg           | Analyzed By: MS |              |     |            |               |      |           |
|--------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte      | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10   | <10.0  | 10.0            | 07/21/2016      | ND           | 184 | 92.0       | 200           | 3.74 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 07/21/2016      | ND           | 187 | 93.7       | 200           | 5.11 |           |

Surrogate: 1-Chlorooctane 87.5 % 35-147

Surrogate: 1-Chlorooctadecane 92.7 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BTA Oil Producers  
CLAY TIPTON  
103 South Pecos  
Midland TX, 79701  
Fax To: (432) 683-0312

Received: 07/21/2016  
Reported: 07/26/2016  
Project Name: OGDEN GAS LILNE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #5 (H601633-05)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <1.00  | 1.00            | 07/25/2016 | ND              | 2.13 | 107        | 2.00          | 1.06  |           |
| Toluene*       | 15.3   | 1.00            | 07/25/2016 | ND              | 2.18 | 109        | 2.00          | 0.999 | QM-07     |
| Ethylbenzene*  | 15.4   | 1.00            | 07/25/2016 | ND              | 2.08 | 104        | 2.00          | 1.24  | QM-07     |
| Total Xylenes* | 70.0   | 3.00            | 07/25/2016 | ND              | 6.30 | 105        | 6.00          | 1.02  | QM-07     |
| Total BTEX     | 101    | 6.00            | 07/25/2016 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 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             | 4560   | 16.0            | 07/21/2016 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M    |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           | S-04 |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte      | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |      |
| GRO C6-C10   | 2070   | 10.0            | 07/21/2016 | ND              | 184 | 92.0       | 200           | 3.74 |           |      |
| DRO >C10-C28 | 804    | 10.0            | 07/21/2016 | ND              | 187 | 93.7       | 200           | 5.11 |           |      |

Surrogate: 1-Chlorooctane 160 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

BTA Oil Producers  
CLAY TIPTON  
103 South Pecos  
Midland TX, 79701  
Fax To: (432) 683-0312

Received: 07/21/2016  
Reported: 07/26/2016  
Project Name: OGDEN GAS LILNE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #6 (H601633-06)**

| BTEX 8021B     |              | mg/kg           |            | Analyzed By: MS |      |            |               |       |           |
|----------------|--------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result       | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050       | 0.050           | 07/25/2016 | ND              | 2.13 | 107        | 2.00          | 1.06  |           |
| Toluene*       | <b>0.118</b> | 0.050           | 07/25/2016 | ND              | 2.18 | 109        | 2.00          | 0.999 |           |
| Ethylbenzene*  | <b>0.055</b> | 0.050           | 07/25/2016 | ND              | 2.08 | 104        | 2.00          | 1.24  |           |
| Total Xylenes* | <b>0.166</b> | 0.150           | 07/25/2016 | ND              | 6.30 | 105        | 6.00          | 1.02  |           |
| Total BTEX     | <b>0.339</b> | 0.300           | 07/25/2016 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 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             | <b>4720</b> | 16.0            | 07/21/2016 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M    |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte      | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10   | <10.0  | 10.0            | 07/21/2016 | ND              | 184 | 92.0       | 200           | 3.74 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 07/21/2016 | ND              | 187 | 93.7       | 200           | 5.11 |           |

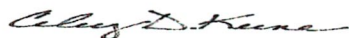
Surrogate: 1-Chlorooctane 84.5 % 35-147

Surrogate: 1-Chlorooctadecane 89.6 % 28-171

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BTA Oil Producers  
CLAY TIPTON  
103 South Pecos  
Midland TX, 79701  
Fax To: (432) 683-0312

Received: 07/21/2016  
Reported: 07/26/2016  
Project Name: OGDEN GAS LILNE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #7 (H601633-07)**

| 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           | 07/25/2016 | ND              | 2.13 | 107        | 2.00          | 1.06  |           |
| Toluene*       | <0.050 | 0.050           | 07/25/2016 | ND              | 2.18 | 109        | 2.00          | 0.999 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/25/2016 | ND              | 2.08 | 104        | 2.00          | 1.24  |           |
| Total Xylenes* | <0.150 | 0.150           | 07/25/2016 | ND              | 6.30 | 105        | 6.00          | 1.02  |           |
| Total BTEX     | <0.300 | 0.300           | 07/25/2016 | 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             | 1520   | 16.0            | 07/21/2016 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M    |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte      | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10   | <10.0  | 10.0            | 07/21/2016 | ND              | 184 | 92.0       | 200           | 3.74 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 07/21/2016 | ND              | 187 | 93.7       | 200           | 5.11 |           |

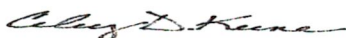
Surrogate: 1-Chlorooctane 89.2 % 35-147

Surrogate: 1-Chlorooctadecane 94.6 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BTA Oil Producers  
CLAY TIPTON  
103 South Pecos  
Midland TX, 79701  
Fax To: (432) 683-0312

Received: 07/21/2016  
Reported: 07/26/2016  
Project Name: OGDEN GAS LILNE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #8 (H601633-08)**

| 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           | 07/23/2016 | ND              | 2.13 | 107        | 2.00          | 1.06  |           |
| Toluene*       | <0.050 | 0.050           | 07/23/2016 | ND              | 2.18 | 109        | 2.00          | 0.999 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/23/2016 | ND              | 2.08 | 104        | 2.00          | 1.24  |           |
| Total Xylenes* | <0.150 | 0.150           | 07/23/2016 | ND              | 6.30 | 105        | 6.00          | 1.02  |           |
| Total BTEX     | <0.300 | 0.300           | 07/23/2016 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIL) 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             | 5840   | 16.0            | 07/21/2016 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M    |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte      | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10   | <10.0  | 10.0            | 07/21/2016 | ND              | 184 | 92.0       | 200           | 3.74 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 07/21/2016 | ND              | 187 | 93.7       | 200           | 5.11 |           |

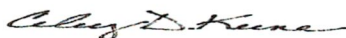
Surrogate: 1-Chlorooctane 87.4 % 35-147

Surrogate: 1-Chlorooctadecane 93.5 % 28-171

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

BTA Oil Producers  
CLAY TIPTON  
103 South Pecos  
Midland TX, 79701  
Fax To: (432) 683-0312

Received: 07/21/2016  
Reported: 07/26/2016  
Project Name: OGDEN GAS LILNE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #9 (H601633-09)**

| BTEX 8021B     |        |                 | mg/kg      |              | Analyzed By: MS |            |               |       |           |  |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/23/2016 | ND           | 2.13            | 107        | 2.00          | 1.06  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/23/2016 | ND           | 2.18            | 109        | 2.00          | 0.999 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/23/2016 | ND           | 2.08            | 104        | 2.00          | 1.24  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/23/2016 | ND           | 6.30            | 105        | 6.00          | 1.02  |           |  |
| Total BTEX     | <0.300 | 0.300           | 07/23/2016 | ND           |                 |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PIC) 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             | 6080   | 16.0            | 07/21/2016 | ND           | 416 | 104        | 400           | 3.77 |           |                 |  |

| TPH 8015M    |        |                 | mg/kg      |              |     |            |               |      |           | Analyzed By: MS |  |
|--------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|-----------------|--|
| Analyte      | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |                 |  |
| GRO C6-C10   | <10.0  | 10.0            | 07/21/2016 | ND           | 184 | 92.0       | 200           | 3.74 |           |                 |  |
| DRO >C10-C28 | <10.0  | 10.0            | 07/21/2016 | ND           | 187 | 93.7       | 200           | 5.11 |           |                 |  |

Surrogate: 1-Chlorooctane 86.5 % 35-147

Surrogate: 1-Chlorooctadecane 91.7 % 28-171

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

BTA Oil Producers  
CLAY TIPTON  
103 South Pecos  
Midland TX, 79701  
Fax To: (432) 683-0312

Received: 07/21/2016  
Reported: 07/26/2016  
Project Name: OGDEN GAS LILNE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #10 (H601633-10)**

| 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           | 07/23/2016 | ND              | 2.13 | 107        | 2.00          | 1.06  |           |
| Toluene*       | <0.050 | 0.050           | 07/23/2016 | ND              | 2.18 | 109        | 2.00          | 0.999 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/23/2016 | ND              | 2.08 | 104        | 2.00          | 1.24  |           |
| Total Xylenes* | <0.150 | 0.150           | 07/23/2016 | ND              | 6.30 | 105        | 6.00          | 1.02  |           |
| Total BTX      | <0.300 | 0.300           | 07/23/2016 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 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             | 3560   | 16.0            | 07/21/2016 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M    |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte      | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10   | <10.0  | 10.0            | 07/21/2016 | ND              | 184 | 92.0       | 200           | 3.74 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 07/21/2016 | ND              | 187 | 93.7       | 200           | 5.11 |           |

Surrogate: 1-Chlorooctane 81.1 % 35-147

Surrogate: 1-Chlorooctadecane 85.4 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BTA Oil Producers  
CLAY TIPTON  
103 South Pecos  
Midland TX, 79701  
Fax To: (432) 683-0312

Received: 07/21/2016  
Reported: 07/26/2016  
Project Name: OGDEN GAS LILNE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #11 (H601633-11)**

| 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           | 07/23/2016 | ND              | 2.13 | 107        | 2.00          | 1.06  |           |
| Toluene*       | <0.050 | 0.050           | 07/23/2016 | ND              | 2.18 | 109        | 2.00          | 0.999 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/23/2016 | ND              | 2.08 | 104        | 2.00          | 1.24  |           |
| Total Xylenes* | <0.150 | 0.150           | 07/23/2016 | ND              | 6.30 | 105        | 6.00          | 1.02  |           |
| Total BTEX     | <0.300 | 0.300           | 07/23/2016 | 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             | 4000   | 16.0            | 07/21/2016 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M    |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte      | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10   | <10.0  | 10.0            | 07/22/2016 | ND              | 174 | 87.0       | 200           | 7.80 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 07/22/2016 | ND              | 177 | 88.4       | 200           | 9.00 |           |

Surrogate: 1-Chlorooctane 87.8 % 35-147

Surrogate: 1-Chlorooctadecane 94.3 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BTA Oil Producers  
CLAY TIPTON  
103 South Pecos  
Midland TX, 79701  
Fax To: (432) 683-0312

Received: 07/21/2016  
Reported: 07/26/2016  
Project Name: OGDEN GAS LILNE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #12 (H601633-12)**

| BTEX 8021B            |             | mg/kg           |            | Analyzed By: MS |      |            |               |       |           |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte               | Result      | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| <b>Benzene*</b>       | <b>1.26</b> | 0.500           | 07/25/2016 | ND              | 2.13 | 107        | 2.00          | 1.06  |           |
| <b>Toluene*</b>       | <b>14.4</b> | 0.500           | 07/25/2016 | ND              | 2.18 | 109        | 2.00          | 0.999 |           |
| <b>Ethylbenzene*</b>  | <b>4.16</b> | 0.500           | 07/25/2016 | ND              | 2.08 | 104        | 2.00          | 1.24  |           |
| <b>Total Xylenes*</b> | <b>16.5</b> | 1.50            | 07/25/2016 | ND              | 6.30 | 105        | 6.00          | 1.02  |           |
| <b>Total BTEX</b>     | <b>36.3</b> | 3.00            | 07/25/2016 | 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 |
| <b>Chloride</b>      | <b>6640</b> | 16.0            | 07/21/2016 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M              |            | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>GRO C6-C10</b>      | <b>303</b> | 10.0            | 07/22/2016 | ND              | 174 | 87.0       | 200           | 7.80 |           |
| <b>DRO &gt;C10-C28</b> | <b>108</b> | 10.0            | 07/22/2016 | ND              | 177 | 88.4       | 200           | 9.00 |           |

Surrogate: 1-Chlorooctane 90.9 % 35-147

Surrogate: 1-Chlorooctadecane 89.8 % 28-171

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

BTA Oil Producers  
CLAY TIPTON  
103 South Pecos  
Midland TX, 79701  
Fax To: (432) 683-0312

Received: 07/21/2016  
Reported: 07/26/2016  
Project Name: OGDEN GAS LILNE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #13 (H601633-13)**

| 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           | 07/25/2016 | ND              | 2.13 | 107        | 2.00          | 1.06  |           |
| <b>Toluene*</b> | <b>0.056</b> | 0.050           | 07/25/2016 | ND              | 2.18 | 109        | 2.00          | 0.999 |           |
| Ethylbenzene*   | <0.050       | 0.050           | 07/25/2016 | ND              | 2.08 | 104        | 2.00          | 1.24  |           |
| Total Xylenes*  | <0.150       | 0.150           | 07/25/2016 | ND              | 6.30 | 105        | 6.00          | 1.02  |           |
| Total BTEX      | <0.300       | 0.300           | 07/25/2016 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 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>1920</b> | 16.0            | 07/21/2016 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M    |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte      | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10   | <10.0  | 10.0            | 07/22/2016 | ND              | 174 | 87.0       | 200           | 7.80 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 07/22/2016 | ND              | 177 | 88.4       | 200           | 9.00 |           |

Surrogate: 1-Chlorooctane 90.7 % 35-147

Surrogate: 1-Chlorooctadecane 87.5 % 28-171

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

BTA Oil Producers  
CLAY TIPTON  
103 South Pecos  
Midland TX, 79701  
Fax To: (432) 683-0312

Received: 07/21/2016  
Reported: 07/26/2016  
Project Name: OGDEN GAS LILNE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #14 (H601633-14)**

| BTEX 8021B            |              | mg/kg           |            | Analyzed By: MS |      |            |               |       |           |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte               | Result       | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| <b>Benzene*</b>       | <b>0.348</b> | 0.050           | 07/23/2016 | ND              | 2.13 | 107        | 2.00          | 1.06  |           |
| <b>Toluene*</b>       | <b>2.40</b>  | 0.050           | 07/23/2016 | ND              | 2.18 | 109        | 2.00          | 0.999 |           |
| <b>Ethylbenzene*</b>  | <b>0.738</b> | 0.050           | 07/23/2016 | ND              | 2.08 | 104        | 2.00          | 1.24  |           |
| <b>Total Xylenes*</b> | <b>2.98</b>  | 0.150           | 07/23/2016 | ND              | 6.30 | 105        | 6.00          | 1.02  |           |
| <b>Total BTEX</b>     | <b>6.47</b>  | 0.300           | 07/23/2016 | 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 |
| <b>Chloride</b>      | <b>1070</b> | 16.0            | 07/21/2016 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M              |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>GRO C6-C10</b>      | <b>52.8</b> | 10.0            | 07/22/2016 | ND              | 174 | 87.0       | 200           | 7.80 |           |
| <b>DRO &gt;C10-C28</b> | <b>20.6</b> | 10.0            | 07/22/2016 | ND              | 177 | 88.4       | 200           | 9.00 |           |

Surrogate: 1-Chlorooctane 87.7 % 35-147

Surrogate: 1-Chlorooctadecane 94.9 % 28-171

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