



303 Veterans Airpark Lane Midland, TX 79705

## **Closure Report**

August 23, 2021

Re: Tony Federal 60

Case # nRM2023238865

On 8/11/2022 a release was discovered due to a 4 inch poly flowline spit resulting in the loss of fluid. The release (GPS: 32.82262, -103.91272) is located east of Loco Hills, New Mexico in unit letter F section 19 township 17S range 31E. It is common knowledge that there is no groundwater in township 17S range 31E. A remediation plan was submitted and OCD approved with stipulations.

The release area was excavated to a depth of 1 foot. On 8/5/2021 and 8/6/2021 final 5 point bottom and wall composite samples were collected not exceeding 200 square feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. B1, B2, B3, B4, B5, B6, B7, B8, B9, B11, and B13 were above table one standards for chlorides. B10 was above table one standards for chloride and TPH. Those areas were further excavated to a depth of 2 feet. On 8/16/2021 final 5 point bottom and wall composite samples were collected not exceeding 200 square feet and submitted to a commercial laboratory for analysis of chloride and B10 for chloride, TPH, and BTEX. All excavated material was hauled to an OCD approved facility. The excavation was backfilled with clean imported topsoil to ground surface and contoured to the surrounding area. The disturbed area was reseeded with BLM #2 seed mixture.

Apache Corporation has remediated the release to below table one standards and respectfully request that event nRM2023238865 be closed.

Enclosed: C-141, Maps, Sample Data, Laboratory Results, Field Notes, Photos, and Revegetation and Noxious Weed Plan.

Submitted by;

*Bruce Baker*

**Environmental Technician**

[larry.baker@apachecorp.com](mailto:larry.baker@apachecorp.com)

**Cell# 432-631-6982**

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist: Each of the following items must be included in the closure report.**

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

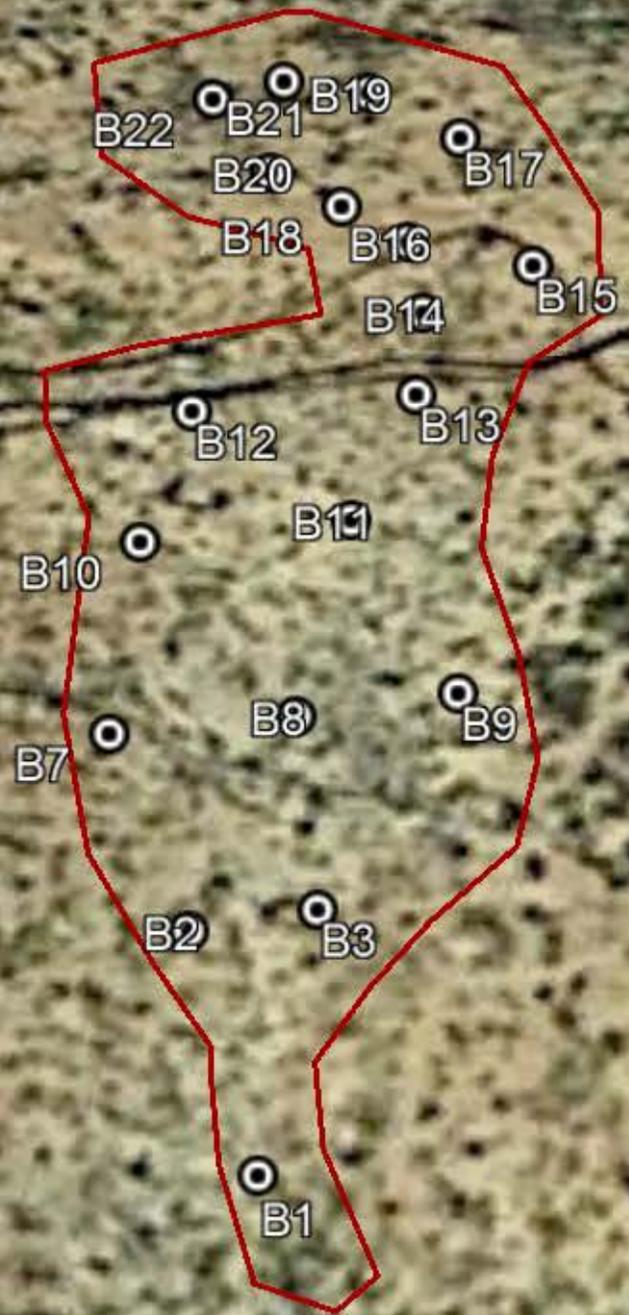
Printed Name: Larry Baker Title: Environmental Tech SR.  
 Signature: *Larry Baker* Date: 8/23/2021  
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

**OCD Only**

Received by: Chad Hensley Date: 09/21/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: *Chad Hensley* Date: 09/21/2021  
 Printed Name: Chad Hensley Title: Environmental Specialist Advanced



Google Earth

40 ft



40 ft

Google Earth



| Sample Date                  | Sample ID | Depth | Chloride | Benzene | Toulene | Ethybenzene | Total Xylenes | Total BTEX | GRO   | DRO   | EXT DRO |
|------------------------------|-----------|-------|----------|---------|---------|-------------|---------------|------------|-------|-------|---------|
| <b>Final Bottom Samples</b>  |           |       |          |         |         |             |               |            |       |       |         |
| 8/5/2021                     | B1        | 1'    | 960      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/16/2021                    | B1        | 2'    | <16.0    |         |         |             |               |            |       |       |         |
| 8/5/2021                     | B2        | 1'    | 320      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/16/2021                    | B2        | 2'    | <16.0    |         |         |             |               |            |       |       |         |
| 8/5/2021                     | B3        | 1'    | 720      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/16/2021                    | B3        | 2'    | <16.0    |         |         |             |               |            |       |       |         |
| 8/5/2021                     | B4        | 1'    | 736      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/16/2021                    | B4        | 2'    | <16.0    |         |         |             |               |            |       |       |         |
| 8/5/2021                     | B5        | 1'    | 1,460    | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | 15.9  | <10.0   |
| 8/16/2021                    | B5        | 2'    | <16.0    |         |         |             |               |            |       |       |         |
| 8/5/2021                     | B6        | 1'    | 1,150    | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/16/2021                    | B6        | 2'    | <16.0    |         |         |             |               |            |       |       |         |
| 8/5/2021                     | B7        | 1'    | 800      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | 15.5  | <10.0   |
| 8/16/2021                    | B7        | 2'    | 64       |         |         |             |               |            |       |       |         |
| 8/5/2021                     | B8        | 1'    | 880      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/16/2021                    | B8        | 2'    | 64       |         |         |             |               |            |       |       |         |
| 8/5/2021                     | B9        | 1'    | 1,010    | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/16/2021                    | B9        | 2'    | 64       |         |         |             |               |            |       |       |         |
| 8/5/2021                     | B10       | 1'    | 1,560    | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | 21.2  | 664   | 103     |
| 8/16/2021                    | B10       | 2'    | 144      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/5/2021                     | B11       | 1'    | 576      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/16/2021                    | B11       | 2'    | 32       |         |         |             |               |            |       |       |         |
| 8/5/2021                     | B12       | 1'    | 448      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/5/2021                     | B13       | 1'    | 736      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/16/2021                    | B13       | 2'    | 64       |         |         |             |               |            |       |       |         |
| 8/6/2021                     | B14       | 1'    | 400      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/6/2021                     | B15       | 1'    | 144      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/6/2021                     | B16       | 1'    | 400      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/6/2021                     | B17       | 1'    | 400      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/6/2021                     | B18       | 1'    | 160      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/6/2021                     | B19       | 1'    | 560      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/6/2021                     | B20       | 1'    | 48       | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/6/2021                     | B21       | 1'    | 224      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/6/2021                     | B22       | 1'    | 432      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| <b>Horizontal Composites</b> |           |       |          |         |         |             |               |            |       |       |         |
| 8/5/2021                     | W1        | 0-1'  | 176      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/6/2021                     | W2        | 0-1'  | 160      | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |
| 8/16/2021                    | W3        | 0-2'  | 48       | <0.050  | <0.050  | <0.050      | <0.150        | <0.300     | <10.0 | <10.0 | <10.0   |



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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August 11, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: TONY FEDERAL #60

Enclosed are the results of analyses for samples received by the laboratory on 08/05/21 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/05/2021       | Sampling Date:      | 08/05/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 1 @ 1' (H212097-01)**

| 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           | 08/09/2021 | ND              | 1.77 | 88.6       | 2.00          | 5.25 |           |
| Toluene*       | <0.050 | 0.050           | 08/09/2021 | ND              | 1.93 | 96.4       | 2.00          | 5.12 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/09/2021 | ND              | 1.85 | 92.6       | 2.00          | 6.02 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/09/2021 | ND              | 5.58 | 92.9       | 6.00          | 5.78 |           |
| Total BTEX     | <0.300 | 0.300           | 08/09/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 960    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 218 | 109        | 200           | 5.27 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 203 | 101        | 200           | 4.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 87.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.9 % 38.9-142

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received: 08/05/2021  
 Reported: 08/11/2021  
 Project Name: TONY FEDERAL #60  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 08/05/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 2 @ 1' (H212097-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/09/2021 | ND              | 1.77 | 88.6       | 2.00          | 5.25 |           |
| Toluene*       | <0.050 | 0.050           | 08/09/2021 | ND              | 1.93 | 96.4       | 2.00          | 5.12 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/09/2021 | ND              | 1.85 | 92.6       | 2.00          | 6.02 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/09/2021 | ND              | 5.58 | 92.9       | 6.00          | 5.78 |           |
| Total BTEX     | <0.300 | 0.300           | 08/09/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 320    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 218 | 109        | 200           | 5.27 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 203 | 101        | 200           | 4.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.9 % 38.9-142

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/05/2021       | Sampling Date:      | 08/05/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 3 @ 1' (H212097-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/09/2021 | ND              | 1.77 | 88.6       | 2.00          | 5.25 |           |
| Toluene*       | <0.050 | 0.050           | 08/09/2021 | ND              | 1.93 | 96.4       | 2.00          | 5.12 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/09/2021 | ND              | 1.85 | 92.6       | 2.00          | 6.02 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/09/2021 | ND              | 5.58 | 92.9       | 6.00          | 5.78 |           |
| Total BTEX     | <0.300 | 0.300           | 08/09/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 720    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 218 | 109        | 200           | 5.27 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 203 | 101        | 200           | 4.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.6 % 38.9-142

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/05/2021       | Sampling Date:      | 08/05/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 4 @ 1' (H212097-04)**

| 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           | 08/09/2021 | ND              | 1.77 | 88.6       | 2.00          | 5.25 |           |
| Toluene*       | <0.050 | 0.050           | 08/09/2021 | ND              | 1.93 | 96.4       | 2.00          | 5.12 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/09/2021 | ND              | 1.85 | 92.6       | 2.00          | 6.02 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/09/2021 | ND              | 5.58 | 92.9       | 6.00          | 5.78 |           |
| Total BTEX     | <0.300 | 0.300           | 08/09/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 736    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 218 | 109        | 200           | 5.27 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 203 | 101        | 200           | 4.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.3 % 38.9-142

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/05/2021       | Sampling Date:      | 08/05/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 5 @ 1' (H212097-05)**

| 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           | 08/09/2021 | ND              | 1.81 | 90.5       | 2.00          | 7.16 |           |
| Toluene*       | <0.050 | 0.050           | 08/09/2021 | ND              | 1.98 | 99.0       | 2.00          | 7.01 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/09/2021 | ND              | 1.91 | 95.3       | 2.00          | 7.19 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/09/2021 | ND              | 5.72 | 95.3       | 6.00          | 6.67 |           |
| Total BTEX     | <0.300 | 0.300           | 08/09/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>1460</b> | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 218 | 109        | 200           | 5.27 |           |
| <b>DRO &gt;C10-C28*</b> | <b>15.9</b> | 10.0            | 08/10/2021 | ND              | 203 | 101        | 200           | 4.33 |           |
| EXT DRO >C28-C36        | <10.0       | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 85.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.6 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received: 08/05/2021  
 Reported: 08/11/2021  
 Project Name: TONY FEDERAL #60  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 08/05/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 6 @ 1' (H212097-06)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/09/2021 | ND              | 1.81 | 90.5       | 2.00          | 7.16 |           |
| Toluene*       | <0.050 | 0.050           | 08/09/2021 | ND              | 1.98 | 99.0       | 2.00          | 7.01 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/09/2021 | ND              | 1.91 | 95.3       | 2.00          | 7.19 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/09/2021 | ND              | 5.72 | 95.3       | 6.00          | 6.67 |           |
| Total BTEX     | <0.300 | 0.300           | 08/09/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1150   | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 218 | 109        | 200           | 5.27 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 203 | 101        | 200           | 4.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 87.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/05/2021       | Sampling Date:      | 08/05/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 7 @ 1' (H212097-07)**

| 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           | 08/09/2021 | ND              | 1.81 | 90.5       | 2.00          | 7.16 |           |
| Toluene*       | <0.050 | 0.050           | 08/09/2021 | ND              | 1.98 | 99.0       | 2.00          | 7.01 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/09/2021 | ND              | 1.91 | 95.3       | 2.00          | 7.19 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/09/2021 | ND              | 5.72 | 95.3       | 6.00          | 6.67 |           |
| Total BTEX     | <0.300 | 0.300           | 08/09/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>800</b> | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 218 | 109        | 200           | 5.27 |           |
| <b>DRO &gt;C10-C28*</b> | <b>15.5</b> | 10.0            | 08/10/2021 | ND              | 203 | 101        | 200           | 4.33 |           |
| EXT DRO >C28-C36        | <10.0       | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 87.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/05/2021       | Sampling Date:      | 08/05/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 8 @ 1' (H212097-08)**

| 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           | 08/10/2021 | ND              | 1.81 | 90.5       | 2.00          | 7.16 |           |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.98 | 99.0       | 2.00          | 7.01 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.91 | 95.3       | 2.00          | 7.19 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.72 | 95.3       | 6.00          | 6.67 |           |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 880    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 218 | 109        | 200           | 5.27 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 203 | 101        | 200           | 4.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 80.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/05/2021       | Sampling Date:      | 08/05/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 9 @ 1' (H212097-09)**

| 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           | 08/10/2021 | ND              | 1.81 | 90.5       | 2.00          | 7.16 |           |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.98 | 99.0       | 2.00          | 7.01 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.91 | 95.3       | 2.00          | 7.19 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.72 | 95.3       | 6.00          | 6.67 |           |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1010   | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 218 | 109        | 200           | 5.27 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 203 | 101        | 200           | 4.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/05/2021       | Sampling Date:      | 08/05/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 10 @ 1' (H212097-10)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.81 | 90.5       | 2.00          | 7.16 |           |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.98 | 99.0       | 2.00          | 7.01 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.91 | 95.3       | 2.00          | 7.19 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.72 | 95.3       | 6.00          | 6.67 |           |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>1560</b> | 16.0            | 08/10/2021 | 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 |
| <b>GRO C6-C10*</b>         | <b>21.2</b> | 10.0            | 08/10/2021 | ND              | 218 | 109        | 200           | 5.27 |           |
| <b>DRO &gt;C10-C28*</b>    | <b>664</b>  | 10.0            | 08/10/2021 | ND              | 203 | 101        | 200           | 4.33 |           |
| <b>EXT DRO &gt;C28-C36</b> | <b>103</b>  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.9 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/05/2021       | Sampling Date:      | 08/05/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 11 @ 1' (H212097-11)**

| 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           | 08/10/2021 | ND              | 1.81 | 90.5       | 2.00          | 7.16 |           |  |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.98 | 99.0       | 2.00          | 7.01 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.91 | 95.3       | 2.00          | 7.19 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.72 | 95.3       | 6.00          | 6.67 |           |  |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 576    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 218 | 109        | 200           | 5.27 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 203 | 101        | 200           | 4.33 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 99.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/05/2021       | Sampling Date:      | 08/05/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 12 @ 1' (H212097-12)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.81 | 90.5       | 2.00          | 7.16 |           |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.98 | 99.0       | 2.00          | 7.01 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.91 | 95.3       | 2.00          | 7.19 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.72 | 95.3       | 6.00          | 6.67 |           |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <b>448</b> | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 218 | 109        | 200           | 5.27 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 203 | 101        | 200           | 4.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 87.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/05/2021       | Sampling Date:      | 08/05/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 13 @ 1' (H212097-13)**

| 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           | 08/10/2021 | ND              | 1.81 | 90.5       | 2.00          | 7.16 |           |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.98 | 99.0       | 2.00          | 7.01 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.91 | 95.3       | 2.00          | 7.19 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.72 | 95.3       | 6.00          | 6.67 |           |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 736    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 218 | 109        | 200           | 5.27 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 203 | 101        | 200           | 4.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 87.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.0 % 38.9-142

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/05/2021       | Sampling Date:      | 08/05/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: W 1 BGS 0-1' (H212097-14)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.81 | 90.5       | 2.00          | 7.16 |           |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.98 | 99.0       | 2.00          | 7.01 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.91 | 95.3       | 2.00          | 7.19 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.72 | 95.3       | 6.00          | 6.67 |           |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 176    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 218 | 109        | 200           | 5.27 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 203 | 101        | 200           | 4.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.8 % 38.9-142

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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

|  |  |   |  |  |   |
|--|--|---|--|--|---|
| Company Name: <u>Apache</u><br>Project Manager: <u>Jeff Brown</u><br>Address: _____<br>City: <u>Hobbs</u> State: <u>NM</u> zip: <u>88240</u><br>Phone #: _____ Fax #: _____<br>Project #: _____ Project Owner: _____<br>Project Name: _____<br>Project Location: <u>Tony Federal #110</u><br>Sampler Name: <u>Joe Quisenberry Jr.</u>  |  | <b>BILL TO</b><br>P.O. #: _____<br>Company: _____<br>Attn: _____<br>Address: _____<br>City: _____ State: _____ Zip: _____<br>Phone #: _____<br>Fax #: _____                     |  | <b>ANALYSIS REQUEST</b>  |   |
| PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. 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 interruptions, loss of uses, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. |  |   |  |  |   |
| Relinquished By: _____<br>Date: _____<br>Time: _____   | Received By: _____<br>Date: <u>8/5/21</u><br>Time: <u>4:50</u> | Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:<br>All Results are emailed. Please provide Email address: _____ | Turnaround Time: _____<br>Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/><br>Bacteria (only) Sample Condition: _____<br>Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No | Delivered By: (Circle One) _____<br>Observed Temp. °C: <u>44</u><br>Corrected Temp. °C: _____<br>Sampler - UPS - Bus - Other: _____<br>Corrected Temp. °C: _____ | CHECKED BY: _____ (Initials)<br>Sample Condition: _____<br>Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Relinquished By: _____<br>Date: _____<br>Time: _____   | Received By: _____<br>Date: _____<br>Time: _____               | REMARKS: _____  |  |  |   |

| Lab I.D.       | Sample I.D. | (G)RAB OR (C)OMP                    | # CONTAINERS | MATRIX      |            |      |     |        |         | DATE | TIME | CL | Ext TPH | BTEX |
|----------------|-------------|-------------------------------------|--------------|-------------|------------|------|-----|--------|---------|------|------|----|---------|------|
|                |             |                                     |              | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : |      |      |    |         |      |
| <u>H212097</u> | B1 @ 1'     | <input checked="" type="checkbox"/> | X            |             |            | X    |     |        |         |      |      |    |         |      |
|                | B2 @ 1'     | <input checked="" type="checkbox"/> | X            |             |            | X    |     |        |         |      |      |    |         |      |
|                | B3 @ 1'     | <input checked="" type="checkbox"/> | X            |             |            | X    |     |        |         |      |      |    |         |      |
|                | B4 @ 1'     | <input checked="" type="checkbox"/> | X            |             |            | X    |     |        |         |      |      |    |         |      |
|                | B5 @ 1'     | <input checked="" type="checkbox"/> | X            |             |            | X    |     |        |         |      |      |    |         |      |
|                | B6 @ 1'     | <input checked="" type="checkbox"/> | X            |             |            | X    |     |        |         |      |      |    |         |      |
|                | B7 @ 1'     | <input checked="" type="checkbox"/> | X            |             |            | X    |     |        |         |      |      |    |         |      |
|                | B8 @ 1'     | <input checked="" type="checkbox"/> | X            |             |            | X    |     |        |         |      |      |    |         |      |
|                | B9 @ 1'     | <input checked="" type="checkbox"/> | X            |             |            | X    |     |        |         |      |      |    |         |      |
|                | B10 @ 1'    | <input checked="" type="checkbox"/> | X            |             |            | X    |     |        |         |      |      |    |         |      |



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

|  |   |  |                      |             |
|--|---|--|----------------------|-------------|
| Company Name: <u>Apache</u><br>Project Manager: <u>Jeff Brown</u><br>Address: _____<br>City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u><br>Phone #: _____ Fax #: _____<br>Project #: _____ Project Owner: _____<br>Project Name: _____<br>Project Location: <u>Tony Federal #160</u><br>Sampler Name: <u>Joe Deschamps</u><br>FOR LAB USE ONLY  |   | P.O. #: _____<br>Company: _____<br>Attn: _____<br>Address: _____<br>City: _____ State: _____ Zip: _____<br>Phone #: _____<br>Fax #: _____  |                      |             |
| <b>BILL TO</b>   |   |  |                      |             |
| <b>ANALYSIS REQUEST</b>  |   |  |                      |             |
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|  | <u>11</u>   | <u>BU @1'</u>  | <u>X</u>             | <u>3:20</u> |
|  | <u>12</u>   | <u>BU @1'</u>  | <u>X</u>             | <u>3:22</u> |
|  | <u>13</u>   | <u>BU @1'</u>  | <u>X</u>             | <u>3:24</u> |
|  | <u>14</u>   | <u>W1 RES @1'</u>  | <u>X</u>             | <u>3:26</u> |
| Reinstated By: _____<br>Date: <u>8/15/21</u><br>Time: <u>4:50</u><br>Refiniquished By: _____<br>Date: _____<br>Time: _____   | Received By: <u>Juanita Chispa</u><br>Date: _____<br>Time: _____  | Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #: _____<br>All Results are emailed. Please provide Email address: _____<br>REMARKS: _____ |                      |             |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other: _____<br>Observed Temp. °C <u>44</u><br>Corrected Temp. °C _____<br>Sample Condition<br>Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>CHECKED BY: <u>JP</u><br>(Initials)<br>Turnaround Time: _____<br>Thermometer ID #13<br>Correction Factor None<br>Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/><br>Bacteria (only) <input checked="" type="checkbox"/><br>Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Sample Condition <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Observed Temp. °C _____<br>Corrected Temp. °C _____  | Turnaround Time: _____<br>Thermometer ID #13<br>Correction Factor None<br>Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/><br>Bacteria (only) <input checked="" type="checkbox"/><br>Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Sample Condition <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Observed Temp. °C _____<br>Corrected Temp. °C _____ |  |                      |             |

† Cardinal cannot accept verbal changes. Please email changes to cely.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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August 11, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: TONY FEDERAL #60

Enclosed are the results of analyses for samples received by the laboratory on 08/06/21 16:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/06/2021       | Sampling Date:      | 08/06/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 14 @ 1' (H212107-01)**

| 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           | 08/10/2021 | ND              | 1.81 | 90.5       | 2.00          | 7.16 |           |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.98 | 99.0       | 2.00          | 7.01 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.91 | 95.3       | 2.00          | 7.19 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.72 | 95.3       | 6.00          | 6.67 |           |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 400    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 206 | 103        | 200           | 1.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 214 | 107        | 200           | 6.74 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.5 % 38.9-142

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received: 08/06/2021  
 Reported: 08/11/2021  
 Project Name: TONY FEDERAL #60  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 15 @ 1' (H212107-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.81 | 90.5       | 2.00          | 7.16 |           |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.98 | 99.0       | 2.00          | 7.01 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.91 | 95.3       | 2.00          | 7.19 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.72 | 95.3       | 6.00          | 6.67 |           |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 144    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 206 | 103        | 200           | 1.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 214 | 107        | 200           | 6.74 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/06/2021       | Sampling Date:      | 08/06/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: W 2 BGS 0-1' (H212107-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.84 | 91.9       | 2.00          | 4.34 |           |  |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 2.00 | 100        | 2.00          | 4.20 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.92 | 95.9       | 2.00          | 4.63 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.77 | 96.2       | 6.00          | 4.64 |           |  |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 160    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 206 | 103        | 200           | 1.21 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 214 | 107        | 200           | 6.74 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 86.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received: 08/06/2021  
 Reported: 08/11/2021  
 Project Name: TONY FEDERAL #60  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 08/06/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 16 @ 1' (H212107-04)**

| 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           | 08/10/2021 | ND              | 1.84 | 91.9       | 2.00          | 4.34 |           |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 2.00 | 100        | 2.00          | 4.20 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.92 | 95.9       | 2.00          | 4.63 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.77 | 96.2       | 6.00          | 4.64 |           |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 400    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 206 | 103        | 200           | 1.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 214 | 107        | 200           | 6.74 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 87.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.7 % 38.9-142

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/06/2021       | Sampling Date:      | 08/06/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 17 @ 1' (H212107-05)**

| 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           | 08/10/2021 | ND              | 1.84 | 91.9       | 2.00          | 4.34 |           |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 2.00 | 100        | 2.00          | 4.20 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.92 | 95.9       | 2.00          | 4.63 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.77 | 96.2       | 6.00          | 4.64 |           |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 400    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 206 | 103        | 200           | 1.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 214 | 107        | 200           | 6.74 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 72.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/06/2021       | Sampling Date:      | 08/06/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 18 @ 1' (H212107-06)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.84 | 91.9       | 2.00          | 4.34 |           |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 2.00 | 100        | 2.00          | 4.20 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.92 | 95.9       | 2.00          | 4.63 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.77 | 96.2       | 6.00          | 4.64 |           |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 160    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 206 | 103        | 200           | 1.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 214 | 107        | 200           | 6.74 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.2 % 38.9-142

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/06/2021       | Sampling Date:      | 08/06/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 19 @ 1' (H212107-07)**

| 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           | 08/10/2021 | ND              | 1.84 | 91.9       | 2.00          | 4.34 |           |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 2.00 | 100        | 2.00          | 4.20 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.92 | 95.9       | 2.00          | 4.63 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.77 | 96.2       | 6.00          | 4.64 |           |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 560    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 206 | 103        | 200           | 1.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 214 | 107        | 200           | 6.74 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 87.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/06/2021       | Sampling Date:      | 08/06/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 20 @ 1' (H212107-08)**

| 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           | 08/10/2021 | ND              | 1.84 | 91.9       | 2.00          | 4.34 |           |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 2.00 | 100        | 2.00          | 4.20 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.92 | 95.9       | 2.00          | 4.63 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.77 | 96.2       | 6.00          | 4.64 |           |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 206 | 103        | 200           | 1.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 214 | 107        | 200           | 6.74 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.7 % 38.9-142

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/06/2021       | Sampling Date:      | 08/06/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 21 @ 1' (H212107-09)**

| 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           | 08/10/2021 | ND              | 1.84 | 91.9       | 2.00          | 4.34 |           |  |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 2.00 | 100        | 2.00          | 4.20 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.92 | 95.9       | 2.00          | 4.63 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.77 | 96.2       | 6.00          | 4.64 |           |  |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 224    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 206 | 103        | 200           | 1.21 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 214 | 107        | 200           | 6.74 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 81.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/06/2021       | Sampling Date:      | 08/06/2021     |
| Reported:         | 08/11/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 22 @ 1' (H212107-10)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 1.84 | 91.9       | 2.00          | 4.34 |           |
| Toluene*       | <0.050 | 0.050           | 08/10/2021 | ND              | 2.00 | 100        | 2.00          | 4.20 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/10/2021 | ND              | 1.92 | 95.9       | 2.00          | 4.63 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/10/2021 | ND              | 5.77 | 96.2       | 6.00          | 4.64 |           |
| Total BTEX     | <0.300 | 0.300           | 08/10/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 432    | 16.0            | 08/10/2021 | 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            | 08/10/2021 | ND              | 206 | 103        | 200           | 1.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/10/2021 | ND              | 214 | 107        | 200           | 6.74 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.3 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Specimen  
 Project Manager: Jeff Brown  
 Address: \_\_\_\_\_  
 City: Hobbs State: NM Zip: 88240  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: Tony Federico #100  
 Sampler Name: Joe Pausula Jr  
 FOR LAB USE ONLY

| Lab I.D.       | Sample I.D.        | (G)RAB OR (C)OMP | # CONTAINERS | MATRIX      |            |      |     |        |         | PRESERV    |           | DATE | TIME | ANALYSIS REQUEST |
|----------------|--------------------|------------------|--------------|-------------|------------|------|-----|--------|---------|------------|-----------|------|------|------------------|
|                |                    |                  |              | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE/ COOL |      |      |                  |
| <u>H212107</u> | <u>BH01'</u>       | <u>C</u>         | <u>40</u>    |             |            |      |     |        |         |            |           |      |      |                  |
|                | <u>BIS01'</u>      | <u>C</u>         | <u>X</u>     |             |            |      |     |        |         |            |           |      |      |                  |
|                | <u>WA BOS 0-1'</u> | <u>C</u>         | <u>X</u>     |             |            |      |     |        |         |            |           |      |      |                  |
|                | <u>3</u>           | <u>C</u>         | <u>X</u>     |             |            |      |     |        |         |            |           |      |      |                  |
|                | <u>4</u>           | <u>C</u>         | <u>X</u>     |             |            |      |     |        |         |            |           |      |      |                  |
|                | <u>5</u>           | <u>C</u>         | <u>X</u>     |             |            |      |     |        |         |            |           |      |      |                  |
|                | <u>6</u>           | <u>C</u>         | <u>X</u>     |             |            |      |     |        |         |            |           |      |      |                  |
|                | <u>7</u>           | <u>C</u>         | <u>X</u>     |             |            |      |     |        |         |            |           |      |      |                  |
|                | <u>8</u>           | <u>C</u>         | <u>X</u>     |             |            |      |     |        |         |            |           |      |      |                  |
|                | <u>9</u>           | <u>C</u>         | <u>X</u>     |             |            |      |     |        |         |            |           |      |      |                  |
|                | <u>10</u>          | <u>C</u>         | <u>X</u>     |             |            |      |     |        |         |            |           |      |      |                  |

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Relinquished By: [Signature] Date: 8/16  
 Time: 4:31  
 Received By: [Signature] Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Delivered By: (Circle One) Observed Temp. °C 4.6  
 Sampler - UPS - Bus - Other: Corrected Temp. °C \_\_\_\_\_  
 Sample Condition: Cool  Intact   
 Yes  No   
 Checked By: [Signature] (Initials) TS  
 Turnaround Time: Standard  Rush   
 Thermometer ID #113 Correction Factor None  
 Bacteria (only) Sample Condition: Cool  Intact   
 Yes  No   
 Observed Temp. °C \_\_\_\_\_ Corrected Temp. °C \_\_\_\_\_

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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August 17, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: TONY FEDERAL #60

Enclosed are the results of analyses for samples received by the laboratory on 08/16/21 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/16/2021       | Sampling Date:      | 08/16/2021     |
| Reported:         | 08/17/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 1 @ 2' (H212167-01)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/17/2021 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: B 2 @ 2' (H212167-02)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/17/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

**Sample ID: B 3 @ 2' (H212167-03)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/17/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

**Sample ID: B 4 @ 2' (H212167-04)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/17/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/16/2021       | Sampling Date:      | 08/16/2021     |
| Reported:         | 08/17/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 5 @ 2' (H212167-05)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/17/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

**Sample ID: B 6 @ 2' (H212167-06)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/17/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

**Sample ID: B 7 @ 2' (H212167-07)**

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <b>64.0</b> | 16.0            | 08/17/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

**Sample ID: B 8 @ 2' (H212167-08)**

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <b>64.0</b> | 16.0            | 08/17/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

**Sample ID: B 9 @ 2' (H212167-09)**

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <b>64.0</b> | 16.0            | 08/17/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/16/2021       | Sampling Date:      | 08/16/2021     |
| Reported:         | 08/17/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 10 @ 2' (H212167-10)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 08/17/2021 | ND              | 1.78 | 89.2       | 2.00          | 5.12 |           |  |
| Toluene*       | <0.050 | 0.050           | 08/17/2021 | ND              | 1.96 | 97.9       | 2.00          | 5.42 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 08/17/2021 | ND              | 1.90 | 94.8       | 2.00          | 5.41 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 08/17/2021 | ND              | 5.70 | 95.0       | 6.00          | 4.95 |           |  |
| Total BTEX     | <0.300 | 0.300           | 08/17/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 144    | 16.0            | 08/17/2021 | 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            | 08/17/2021 | ND              | 195 | 97.4       | 200           | 0.946 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/17/2021 | ND              | 215 | 107        | 200           | 7.04  |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/17/2021 | ND              |     |            |               |       |           |  |

Surrogate: 1-Chlorooctane 89.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Received:         | 08/16/2021       | Sampling Date:      | 08/16/2021     |
| Reported:         | 08/17/2021       | Sampling Type:      | Soil           |
| Project Name:     | TONY FEDERAL #60 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN       | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN        |                     |                |

**Sample ID: B 11 @ 2' (H212167-11)**

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>32.0</b> | 16.0            | 08/17/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

**Sample ID: B 13 @ 2' (H212167-12)**

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>64.0</b> | 16.0            | 08/17/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

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**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received: 08/16/2021  
 Reported: 08/17/2021  
 Project Name: TONY FEDERAL #60  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 08/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 3 BGS 0-2' (H212167-13)**

| 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           | 08/17/2021 | ND              | 1.78 | 89.2       | 2.00          | 5.12 |           |
| Toluene*       | <0.050 | 0.050           | 08/17/2021 | ND              | 1.96 | 97.9       | 2.00          | 5.42 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/17/2021 | ND              | 1.90 | 94.8       | 2.00          | 5.41 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/17/2021 | ND              | 5.70 | 95.0       | 6.00          | 4.95 |           |
| Total BTEX     | <0.300 | 0.300           | 08/17/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 08/17/2021 | 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            | 08/17/2021 | ND              | 195 | 97.4       | 200           | 0.946 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 08/17/2021 | ND              | 215 | 107        | 200           | 7.04  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 08/17/2021 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 88.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.2 % 38.9-142

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**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

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Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO ANALYSIS REQUEST**

Company Name: Acetate P.O. #:  
 Project Manager: Jeff Brown Company:  
 Address: State: NM Zip: 88240 Attn:  
 City: Hobbs Address:  
 Phone #: Fax #: City:  
 Project #: Project Owner: State: Zip:  
 Project Name: State: Zip:  
 Project Location: Tony Federal #60 Phone #: Fax #:  
 Sampler Name: Joe Gussard Jr. Matrix: PRESERV. SAMPLING

| Lab I.D.       | Sample I.D.    | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX             | PRESERV.        | SAMPLING | DATE         | TIME         | 10       | EX TPH   | BTEX     |
|----------------|----------------|-------------------|--------------|--------------------|-----------------|----------|--------------|--------------|----------|----------|----------|
| <u>H212167</u> | <u>B10021</u>  | <u>C</u>          | <u>1</u>     | <u>GROUNDWATER</u> | <u>ICE/COOL</u> | <u>X</u> | <u>8/16</u>  | <u>11:11</u> | <u>X</u> | <u>X</u> | <u>X</u> |
|                | <u>B20021</u>  | <u>C</u>          | <u>1</u>     | <u>WASTEWATER</u>  | <u>OTHER</u>    | <u>X</u> | <u>11:14</u> | <u>11:14</u> | <u>X</u> | <u>X</u> | <u>X</u> |
|                | <u>B30021</u>  | <u>C</u>          | <u>1</u>     | <u>SOIL</u>        | <u>OTHER</u>    | <u>X</u> | <u>11:16</u> | <u>11:16</u> | <u>X</u> | <u>X</u> | <u>X</u> |
|                | <u>B40021</u>  | <u>C</u>          | <u>1</u>     | <u>OIL</u>         | <u>OTHER</u>    | <u>X</u> | <u>11:18</u> | <u>11:18</u> | <u>X</u> | <u>X</u> | <u>X</u> |
|                | <u>B50021</u>  | <u>C</u>          | <u>1</u>     | <u>SLUDGE</u>      | <u>OTHER</u>    | <u>X</u> | <u>11:45</u> | <u>11:45</u> | <u>X</u> | <u>X</u> | <u>X</u> |
|                | <u>B60021</u>  | <u>C</u>          | <u>1</u>     | <u>OTHER</u>       | <u>OTHER</u>    | <u>X</u> | <u>11:47</u> | <u>11:47</u> | <u>X</u> | <u>X</u> | <u>X</u> |
|                | <u>B70021</u>  | <u>C</u>          | <u>1</u>     | <u>ACID/BASE:</u>  | <u>OTHER</u>    | <u>X</u> | <u>11:49</u> | <u>11:49</u> | <u>X</u> | <u>X</u> | <u>X</u> |
|                | <u>B80021</u>  | <u>C</u>          | <u>1</u>     | <u>ACID/BASE:</u>  | <u>OTHER</u>    | <u>X</u> | <u>1:45</u>  | <u>1:45</u>  | <u>X</u> | <u>X</u> | <u>X</u> |
|                | <u>B90021</u>  | <u>C</u>          | <u>1</u>     | <u>ACID/BASE:</u>  | <u>OTHER</u>    | <u>X</u> | <u>2:10</u>  | <u>2:10</u>  | <u>X</u> | <u>X</u> | <u>X</u> |
|                | <u>B100021</u> | <u>C</u>          | <u>1</u>     | <u>ACID/BASE:</u>  | <u>OTHER</u>    | <u>X</u> |              |              | <u>X</u> | <u>X</u> | <u>X</u> |

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Relinquished By: [Signature] Date: 8/16 Received By: [Signature]  
 Relinquished By: [Signature] Date: 8/16 Received By: [Signature]

Delivered By: (Circle One) Observed Temp. °C 5.1 Sample Condition Intact CHECKED BY: [Signature]  
 Cooler Intact  Yes  No  
 Sampler - UPS - Bus - Other: Corrected Temp. °C 5.1 Sample Condition Intact CHECKED BY: [Signature]  
 Cooler Intact  Yes  No

Turnaround Time:  Standard  Rush  
 Bacteria (only)  Yes  No  
 Cool Intact  Yes  No  
 Corrected Temp. °C 5.1



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Apache  
 Project Manager: Jeff Beeman  
 Address: \_\_\_\_\_  
 City: Hobbs State: NM Zip: 88240  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: Tony Federal #100  
 Sampler Name: Jeff Beeman

P.O. #: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

| Lab I.D.       | Sample I.D.       | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX      |            |          |          |        |        |          | DATE        | TIME        | REMARKS        |
|----------------|-------------------|-------------------|--------------|-------------|------------|----------|----------|--------|--------|----------|-------------|-------------|----------------|
|                |                   |                   |              | GROUNDWATER | WASTEWATER | SOIL     | OIL      | SLUDGE | OTHER: | PRESERV. |             |             |                |
| <u>H212167</u> | <u>11 B11 02'</u> | <u>C</u>          | <u>X</u>     |             |            | <u>X</u> | <u>X</u> |        |        |          | <u>8/16</u> | <u>2:20</u> | <u>OK</u>      |
|                | <u>12 B13 02'</u> | <u>C</u>          | <u>X</u>     |             |            | <u>X</u> | <u>X</u> |        |        |          | <u>8/16</u> | <u>2:38</u> | <u>Ext TPH</u> |
|                | <u>13 B35 02'</u> | <u>C</u>          | <u>X</u>     |             |            | <u>X</u> | <u>X</u> |        |        |          | <u>8/16</u> | <u>3:00</u> | <u>BTEX:</u>   |

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Relinquished By: \_\_\_\_\_ Date: 8/16 Received By: Jeff Beeman  
 Time: 4:50 Date: \_\_\_\_\_ Received By: \_\_\_\_\_

Delivered By: (Circle One) Observed Temp. °C 5.1 Sample Condition  Intact  Cool  Yes  No  No  
 Corrected Temp. °C \_\_\_\_\_  
 Turnaround Time: \_\_\_\_\_ Standard  Rush   
 Thermometer ID #113 Bacteria (only)  Cool Intact  Yes  No  No  
 Correction Factor None  No  No  No  
 Sample Condition Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

# North West Elevation

☀ 157°SE (T) ● 32°49'22"N, 103°54'46"W ±88ft ▲ 3670ft



# South Elevation

☀ 20°N (T) ● 32°49'21"N, 103°54'45"W ±13ft ▲ 3668ft



# North West Elevation

☉ 145°SE (T) ● 32°49'21"N, 103°54'46"W ±13ft ▲ 3668ft



# South East Elevation

☉ 337°NW (T) ● 32°49'20"N, 103°54'45"W ±13ft ▲ 3667ft





**Tony Federal # 60  
NRM2023238865  
Revegetation  
And  
Noxious Weed Plan**

**Revegetation Plan:**

All the disturbed area in the pasture will be properly prepared and seeded with BLM # 2. The disturbed area will be monitored to ensure successful revegetation is achieved. If revegetation is not successful after a couple of growing seasons the site will be reseeded.

**Noxious Weed Plan:**

Apache Corporation will treat noxious weeds if they become established within the area of remediation. Weed control will be maintained on the disturbed land where noxious weeds exist both prior to remediation and restoration. Apache Corporation will consult with the Authorized Officer for acceptable weed control methods.

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 43739

**CONDITIONS**

|   |   |
|---|---|
| Operator:<br>APACHE CORPORATION<br>303 Veterans Airpark Ln<br>Midland, TX 79705 | OGRID:<br>873   |
|   | Action Number:<br>43739                                   |
|   | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| chensley   | None      | 9/21/2021      |