



303 Veterans Airpark Lane Midland, TX 79705

Remediation Plan

December 21, 2020

Re: LM Lambert
Case #: NRM2024463389

Background:

On 08/24/2020 a release occurred at the LM Lambert Battery due to a line failure resulting in the loss of fluid. The release (GPS: 32.60642, -103.28715) is located south of Monument, NM in unit letter B section 6 township 20S range 37E. A groundwater survey was conducted utilizing the NMOSE wells of record. The 2 nearest wells of record suggest groundwater is less than 50 feet with the shallowest well 20 feet to groundwater but water was not encountered during the soil bore to a depth of 35 feet. This suggests that groundwater is at minimum 37 feet indicated by data from the second well of record.

Beginning on 11/3/2020 through 12/3/2020 vertical delineation was conducted utilizing a backhoe to a depth of 13 feet. The surface and 1 foot samples were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX on 11/3/2020. Laboratory chloride results were below table one standards for release less than or equal to 50 feet to groundwater. The 2 feet to 13 feet samples were collected and submitted to a commercial laboratory for analysis of TPH and BTEX. Horizontal 5 point composite surface samples were collected not to exceed 200 square feet and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX.

On 12/15/2020 a soil bore was conducted at SP 1 was advanced in regular intervals beginning at 15 feet and advanced to a total depth of 35 feet below ground surface. All samples were collected utilizing a split spoon and submitted to a commercial laboratory for analysis for TPH and BTEX. Laboratory results were below table one standards for TPH and BTEX at a depth of 20 feet.

Remediation Plan:

Apache Corporation purposes that the top foot be excavated to a depth of 1 foot to remove the chloride contamination to below table one standards. Once the excavation is complete final 5 point bottom and wall samples will be collected not to exceed 200 square feet. Due to the release is inside an active facility within close proximity to processing equipment and the depth of contamination Apache Corporation will submit the final sample data and ask for deferment until system abandonment in the final report. All excavated soil (75 yards) will be hauled to a OCD approved disposal facility. The excavation will be backfilled with clean imported caliche. The remediation will be completed within 90 days of OCD approval of the plan.

Enclosed: C-141, Groundwater data, Maps, Sample Data, and Laboratory Results

Submitted by;

Bruce Baker

Environmental Technician

Larry.baker@apachecorp.com

Cell# 432-631-6982

| | |
|----------------|---------------|
| Incident ID | NRM2024463389 |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | <u>37</u> (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

| | |
|----------------|---------------|
| Incident ID | NRM2024463389 |
| District RP | |
| Facility ID | |
| Application ID | |

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.

Printed Name: Larry Baker Title: Environmental Tech SR.
Signature: Larry Baker Date: 12/21/2020
email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: Cristina Eads Date: 12/21/2020

| | |
|----------------|---------------|
| Incident ID | NRM2024463389 |
| District RP | |
| Facility ID | |
| Application ID | |

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: Larry Baker Title: Environmental Tech SR.
 Signature: *Larry Baker* Date: 12/21/2020
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: Cristina Eads Date: 12/21/2020

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: *Cristina Eads* Date: 03/12/2021



32.606524 -103.287159 X Q
Show search results for 32.606...



1:4513
-103.280 32.603 Degrees





New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
|----------|------------|-----|-----|----|-----|-----|-----|--------|----------|
| L 01450 | | 3 | 1 | 05 | 20S | 37E | | 661393 | 3608698* |

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name:

Drill Start Date: 05/19/1952 **Drill Finish Date:** 05/20/1952 **Plug Date:**

Log File Date: 05/26/1952 **PCW Rcv Date:** 10/22/1953 **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 7.00 **Depth Well:** 80 feet **Depth Water:** 20 feet

| Water Bearing Stratifications: | Top | Bottom | Description |
|--------------------------------|-----|--------|-------------------------------|
| | 50 | 80 | Sandstone/Gravel/Conglomerate |

| Casing Perforations: | Top | Bottom |
|----------------------|-----|--------|
| | 50 | 80 |

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/19/20 11:57 AM

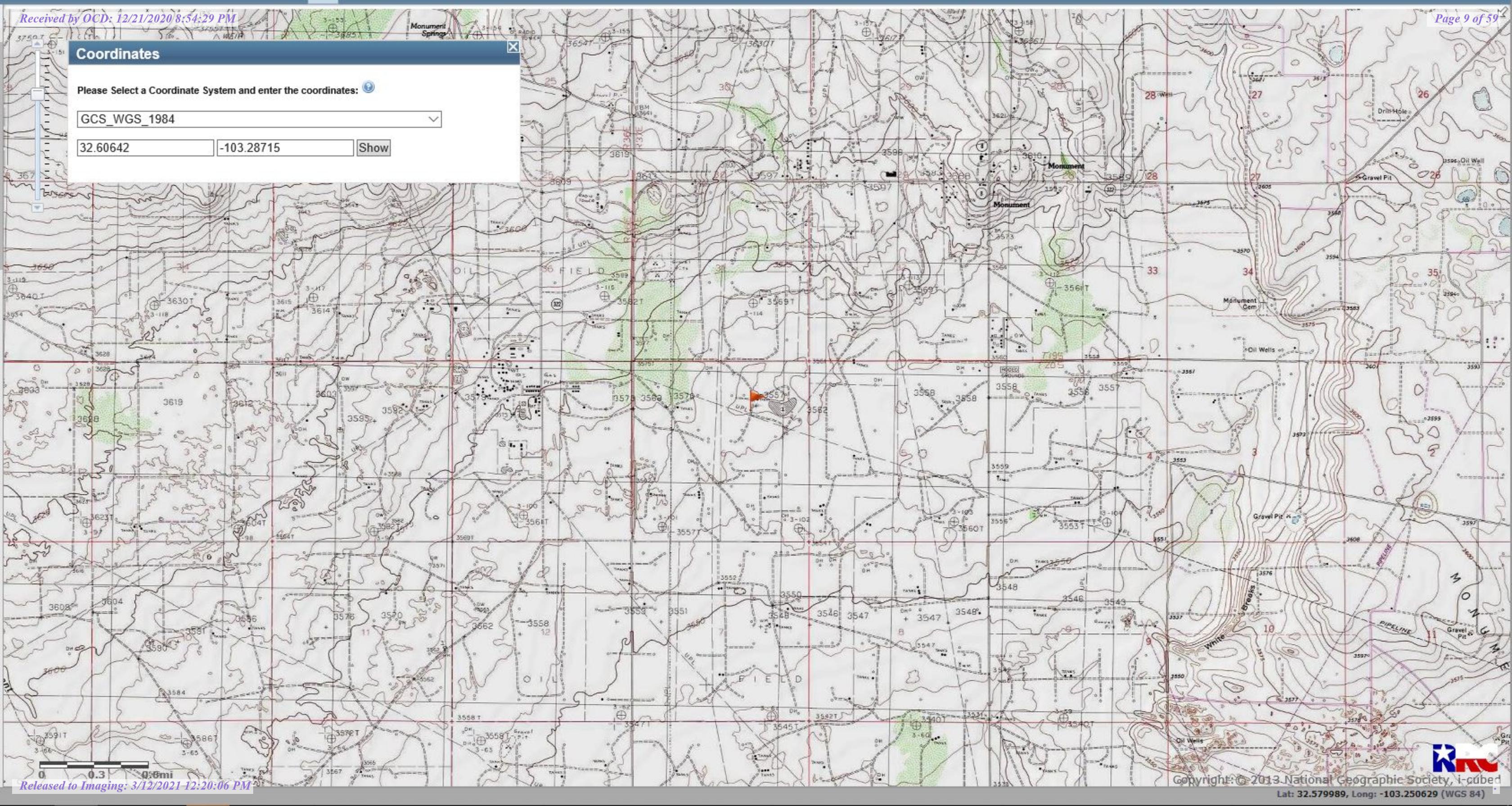
POINT OF DIVERSION SUMMARY

Coordinates

Please Select a Coordinate System and enter the coordinates:

GCS_WGS_1984

32.60642 -103.28715 Show





Lm Lambert

H2

H1

SP1

H3

H4

Google earth

NEDU Injection Line

Complete List

| Sample Date | Sample ID | Depth | Field Chloride | Chloride | Benzene | Toulene | Ethybenzene | Total Xylenes | Total BTEX | GRO | DRO | EXT DRO | GPS Coordinates |
|--|-----------|---------|----------------|----------|---------|---------|-------------|---------------|------------|-------|-------|---------|--------------------------|
| Delineation and Horizontal Sampling | | | | | | | | | | | | | |
| 11/3/2020 | SP1 | Surface | 4,423 | 5120 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.606524 -103.287159 |
| 11/3/2020 | | 1' | 356 | 320 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 300 | 437 | |
| 11/4/2020 | | 2' | | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 88.4 | 119 | |
| 11/4/2020 | | 3' | | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 88.8 | 89.5 | |
| 11/18/2020 | | 4' | | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 77 | 96.3 | |
| 11/18/2020 | | 5' | | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 150 | 161 | |
| 11/20/2020 | | 6' | | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| 11/20/2020 | | 7' | | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 78.9 | 70.5 | |
| 11/30/2020 | | 8' | | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 202 | 159 | |
| 12/3/2020 | | 9' | | | <0.100 | 0.407 | 5.94 | 10.100 | 16.5 | 940 | 6170 | 1020 | |
| 12/3/2020 | | 10' | | | <0.050 | 0.583 | 5.64 | 5.720 | 11.9 | 535 | 3780 | 778 | |
| 12/3/2020 | | 11' | | | <0.100 | 0.979 | 9.36 | 12.200 | 22.5 | 564 | 3190 | 664 | |
| 12/3/2020 | | 12' | | | <0.050 | 0.126 | 1.41 | 1.120 | 2.65 | 144 | 1830 | 449 | |
| 12/3/2020 | | 13' | | | <0.100 | 1.68 | 11.5 | 13.900 | 27.1 | 1080 | 5250 | 937 | |
| 12/15/2020 | | 15' | | | <0.050 | <0.050 | 0.189 | 0.232 | 0.444 | <10.0 | 204 | 22.6 | |
| 12/15/2020 | | 20' | | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| 12/15/2020 | | 25' | | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| 12/15/2020 | | 30' | | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| 12/15/2020 | | 35' | | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| 11/4/2020 | H1 | Surface | 143 | 16 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.606530 -103.287230 |
| 11/4/2020 | H2 | Surface | 149 | 32 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.606718 -103.287150 |
| 11/4/2020 | H3 | Surface | 147 | 32 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.606526 -103.287113 |
| 11/4/2020 | H4 | Surface | 144 | 96 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.606350 -103.287164 |



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

November 04, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LM LAMBERT

Enclosed are the results of analyses for samples received by the laboratory on 11/03/20 15:52.

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.

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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 11/03/2020 | Sampling Date: | 11/03/2020 |
| Reported: | 11/04/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | ** (See Notes) |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ SURFACE (H002909-01)

| 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 | 11/03/2020 | ND | 2.07 | 103 | 2.00 | 1.27 | |
| Toluene* | <0.050 | 0.050 | 11/03/2020 | ND | 2.01 | 101 | 2.00 | 1.23 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2020 | ND | 2.02 | 101 | 2.00 | 0.408 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2020 | ND | 5.85 | 97.6 | 6.00 | 0.240 | |
| Total BTEX | <0.300 | 0.300 | 11/03/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5120 | 16.0 | 11/04/2020 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/03/2020 | ND | 208 | 104 | 200 | 0.804 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/03/2020 | ND | 210 | 105 | 200 | 1.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/03/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.8 % 42.2-156

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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 11/03/2020 | Sampling Date: | 11/03/2020 |
| Reported: | 11/04/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | ** (See Notes) |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 1' (H002909-02)

| 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 | 11/03/2020 | ND | 2.07 | 103 | 2.00 | 1.27 | |
| Toluene* | <0.050 | 0.050 | 11/03/2020 | ND | 2.01 | 101 | 2.00 | 1.23 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2020 | ND | 2.02 | 101 | 2.00 | 0.408 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2020 | ND | 5.85 | 97.6 | 6.00 | 0.240 | |
| Total BTEX | <0.300 | 0.300 | 11/03/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129

| 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 | 11/04/2020 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/04/2020 | ND | 208 | 104 | 200 | 0.804 | |
| DRO >C10-C28* | 300 | 10.0 | 11/04/2020 | ND | 210 | 105 | 200 | 1.06 | |
| EXT DRO >C28-C36 | 437 | 10.0 | 11/04/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 140 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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



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

November 09, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LM LAMBERT

Enclosed are the results of analyses for samples received by the laboratory on 11/04/20 14:06.

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.

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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 11/04/2020 | Sampling Date: | 11/04/2020 |
| Reported: | 11/09/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: H 1 (H002924-01)

| 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 | 11/05/2020 | ND | 1.93 | 96.3 | 2.00 | 5.05 | |
| Toluene* | <0.050 | 0.050 | 11/05/2020 | ND | 1.87 | 93.7 | 2.00 | 5.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/05/2020 | ND | 1.86 | 93.0 | 2.00 | 4.69 | |
| Total Xylenes* | <0.150 | 0.150 | 11/05/2020 | ND | 5.40 | 90.0 | 6.00 | 4.74 | |
| Total BTEX | <0.300 | 0.300 | 11/05/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 73.3-129

| Chloride, SM4500Cl-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 | 11/05/2020 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/05/2020 | ND | 241 | 120 | 200 | 1.93 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/05/2020 | ND | 226 | 113 | 200 | 3.41 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/05/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.8 % 42.2-156

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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 11/04/2020 | Sampling Date: | 11/04/2020 |
| Reported: | 11/09/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: H 2 (H002924-02)

| 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 | 11/05/2020 | ND | 1.93 | 96.3 | 2.00 | 5.05 | |
| Toluene* | <0.050 | 0.050 | 11/05/2020 | ND | 1.87 | 93.7 | 2.00 | 5.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/05/2020 | ND | 1.86 | 93.0 | 2.00 | 4.69 | |
| Total Xylenes* | <0.150 | 0.150 | 11/05/2020 | ND | 5.40 | 90.0 | 6.00 | 4.74 | |
| Total BTEX | <0.300 | 0.300 | 11/05/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 11/05/2020 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/05/2020 | ND | 241 | 120 | 200 | 1.93 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/05/2020 | ND | 226 | 113 | 200 | 3.41 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/05/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.7 % 42.2-156

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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 11/04/2020 | Sampling Date: | 11/04/2020 |
| Reported: | 11/09/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: H 3 (H002924-03)

| 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 | 11/05/2020 | ND | 1.93 | 96.3 | 2.00 | 5.05 | |
| Toluene* | <0.050 | 0.050 | 11/05/2020 | ND | 1.87 | 93.7 | 2.00 | 5.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/05/2020 | ND | 1.86 | 93.0 | 2.00 | 4.69 | |
| Total Xylenes* | <0.150 | 0.150 | 11/05/2020 | ND | 5.40 | 90.0 | 6.00 | 4.74 | |
| Total BTEX | <0.300 | 0.300 | 11/05/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 11/05/2020 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/05/2020 | ND | 241 | 120 | 200 | 1.93 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/05/2020 | ND | 226 | 113 | 200 | 3.41 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/05/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.5 % 42.2-156

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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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 11/04/2020 | Sampling Date: | 11/04/2020 |
| Reported: | 11/09/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: H 4 (H002924-04)

| 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 | 11/05/2020 | ND | 1.93 | 96.3 | 2.00 | 5.05 | |
| Toluene* | <0.050 | 0.050 | 11/05/2020 | ND | 1.87 | 93.7 | 2.00 | 5.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/05/2020 | ND | 1.86 | 93.0 | 2.00 | 4.69 | |
| Total Xylenes* | <0.150 | 0.150 | 11/05/2020 | ND | 5.40 | 90.0 | 6.00 | 4.74 | |
| Total BTEX | <0.300 | 0.300 | 11/05/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 11/05/2020 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/06/2020 | ND | 241 | 120 | 200 | 1.93 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/06/2020 | ND | 226 | 113 | 200 | 3.41 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/06/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.7 % 42.2-156

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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

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

BILL TO

ANALYSIS REQUEST

Company Name: *Apple Corporation* P.O. #:
 Project Manager: *Bruce Baker* Company:
 Address: State: Zip: Attn:
 City: State: Zip: Address:
 Phone #: Fax #: City: State: Zip: Project Owner:
 Project #: Project Location: *LM LAMBERT* Phone #:
 Project Name: *LM LAMBERT* Fax #:
 Sampler Name: *Jeff Brown*

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | CL- | BTEX | EXT. TPH |
|----------------|-------------|-------------------------------------|--------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|----------------|-------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | |
| <i>H003924</i> | <i>1 H1</i> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <i>11/4/20</i> | <i>1315</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>2 H2</i> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <i>11/4/20</i> | <i>1316</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>3 H3</i> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <i>11/4/20</i> | <i>1317</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>4 H4</i> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <i>11/4/20</i> | <i>1318</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

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Relinquished By: *Jeff Brown* Date: *11/14/20* Received By: *Barbara Chalkley*
 Time: *1:40c* Date: Received By: *Barbara Chalkley*

Delivered By: (Circle One) Observed Temp. °C *4.4* Sample Condition: Cool Intact
 Corrected Temp. °C Yes No Yes No
 Checked By: *J.P.* (Initials)
 Turnaround Time: *Standard* *Rush* Add'l Phone #:
 Thermometer ID: *#113* *#114* Bacteria (only) Sample Condition: Cool Intact
 Correction Factor: *11/4/20* Yes No Yes No 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

November 09, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LM LAMBERT

Enclosed are the results of analyses for samples received by the laboratory on 11/04/20 14:06.

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.

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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 11/04/2020 | Sampling Date: | 11/04/2020 |
| Reported: | 11/09/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 2' (H002925-01)

| 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 | 11/05/2020 | ND | 1.93 | 96.3 | 2.00 | 5.05 | |
| Toluene* | <0.050 | 0.050 | 11/05/2020 | ND | 1.87 | 93.7 | 2.00 | 5.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/05/2020 | ND | 1.86 | 93.0 | 2.00 | 4.69 | |
| Total Xylenes* | <0.150 | 0.150 | 11/05/2020 | ND | 5.40 | 90.0 | 6.00 | 4.74 | |
| Total BTEX | <0.300 | 0.300 | 11/05/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.3-129

| 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 | 11/06/2020 | ND | 241 | 120 | 200 | 1.93 | |
| DRO >C10-C28* | 88.4 | 10.0 | 11/06/2020 | ND | 226 | 113 | 200 | 3.41 | |
| EXT DRO >C28-C36 | 119 | 10.0 | 11/06/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 121 % 42.2-156

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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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 11/04/2020 | Sampling Date: | 11/04/2020 |
| Reported: | 11/09/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 3' (H002925-02)

| 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 | 11/05/2020 | ND | 1.93 | 96.3 | 2.00 | 5.05 | | |
| Toluene* | <0.050 | 0.050 | 11/05/2020 | ND | 1.87 | 93.7 | 2.00 | 5.48 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/05/2020 | ND | 1.86 | 93.0 | 2.00 | 4.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/05/2020 | ND | 5.40 | 90.0 | 6.00 | 4.74 | | |
| Total BTEX | <0.300 | 0.300 | 11/05/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 73.3-129

| 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 | 11/06/2020 | ND | 241 | 120 | 200 | 1.93 | | |
| DRO >C10-C28* | 88.8 | 10.0 | 11/06/2020 | ND | 226 | 113 | 200 | 3.41 | | |
| EXT DRO >C28-C36 | 89.5 | 10.0 | 11/06/2020 | ND | | | | | | |

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 123 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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, 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: Apache Corporation
 Project Manager: Bruce Baker
 Address: _____
 City: _____ State: _____ ZIP: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: LM Lambert
 Project Location: LM Lambert
 Sampler Name: Jeff Baum
 P.O. #: _____ Company: _____
 Attn: _____ Address: _____
 City: _____ State: _____ ZIP: _____
 Phone #: _____ Fax #: _____

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | PRESERV. | SAMPLING | DATE | TIME | EXT. TPH | BTEX |
|----------------|-------------------|-------------------|--------------|-------------|----------|----------|----------------|-------------|----------|----------|
| <u>H002925</u> | <u>1 SP1 @ 2'</u> | <u>G</u> | <u>6</u> | <u>SOIL</u> | | | <u>11/4/20</u> | <u>1312</u> | <u>✓</u> | <u>✓</u> |
| | <u>2 SP1 @ 3'</u> | <u>G</u> | | <u>SOIL</u> | | | <u>11/4/20</u> | <u>1313</u> | <u>✓</u> | <u>✓</u> |

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Relinquished By: Jeff Baum Date: 11/4/20 Time: 1406
 Received By: Shawna W. Blaylock
 Verbal Result: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: _____
 REMARKS: _____

Delivered By: (Circle One) Observed Temp. °C 4.4 Sample Condition Cool Intact
 Sampler - UPS - Bus - Other: Corrected Temp. °C _____ Bacteria (only) Sample Condition Cool Intact
 Turnaround Time: _____ Standard 12 #13 11/4/20 Bacteria (only) Sample Condition Cool Intact
 Thermometer ID # 97 Correction Factor +0.0 Corrected Temp. °C _____

† Cardinal cannot accept verbal changes. Please email changes to celay.keene@cardinalabsnm.com



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

November 19, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LM LAMBERT

Enclosed are the results of analyses for samples received by the laboratory on 11/18/20 14:25.

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.

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 "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 11/18/2020 | Sampling Date: | 11/18/2020 |
| Reported: | 11/19/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 4' (H003059-01)

| 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 | 11/18/2020 | ND | 1.99 | 99.4 | 2.00 | 4.48 | |
| Toluene* | <0.050 | 0.050 | 11/18/2020 | ND | 1.90 | 95.0 | 2.00 | 5.18 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/18/2020 | ND | 2.01 | 100 | 2.00 | 5.23 | |
| Total Xylenes* | <0.150 | 0.150 | 11/18/2020 | ND | 5.75 | 95.8 | 6.00 | 5.01 | |
| Total BTEX | <0.300 | 0.300 | 11/18/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| 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 | 11/18/2020 | ND | 196 | 97.8 | 200 | 11.8 | |
| DRO >C10-C28* | 77.0 | 10.0 | 11/18/2020 | ND | 211 | 106 | 200 | 18.1 | |
| EXT DRO >C28-C36 | 96.3 | 10.0 | 11/18/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.3 % 42.2-156

Cardinal Laboratories

* = Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 11/18/2020 | Sampling Date: | 11/18/2020 |
| Reported: | 11/19/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 5' (H003059-02)

| 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 | 11/18/2020 | ND | 1.99 | 99.4 | 2.00 | 4.48 | | |
| Toluene* | <0.050 | 0.050 | 11/18/2020 | ND | 1.90 | 95.0 | 2.00 | 5.18 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/18/2020 | ND | 2.01 | 100 | 2.00 | 5.23 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/18/2020 | ND | 5.75 | 95.8 | 6.00 | 5.01 | | |
| Total BTEX | <0.300 | 0.300 | 11/18/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| 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 | 11/18/2020 | ND | 196 | 97.8 | 200 | 11.8 | | |
| DRO >C10-C28* | 150 | 10.0 | 11/18/2020 | ND | 211 | 106 | 200 | 18.1 | | |
| EXT DRO >C28-C36 | 161 | 10.0 | 11/18/2020 | ND | | | | | | |

Surrogate: 1-Chlorooctane 81.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

Cardinal Laboratories

* = Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Handwritten signature of Mike Snyder

Mike Snyder For 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: Apache Corporation P.O. #: _____
 Project Manager: Bruce Baker Company: _____
 Address: _____ Attn: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: Lm Lambert City: _____ State: _____ Zip: _____
 Project Location: Lm Lambert Phone #: _____ Fax #: _____
 Sampler Name: Tommy Seakos

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | REMARKS |
|----------------|-------------------|-------------------|--------------|-------------|------------|----------|-----|--------|---------|-----------------------|-------------|-------------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | |
| <u>H003059</u> | <u>1 SP4 @ 4'</u> | <u>G</u> | <u>6</u> | | | <u>✓</u> | | | | <u>11-18-20 12:50</u> | <u>TPH</u> | |
| | <u>2 SP4 @ 5'</u> | <u>G</u> | | | | | | | | <u>11-18-20 12:53</u> | <u>6Tex</u> | <u>rush</u> |

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 analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: _____ Date: 11-18-20 Received By: Tommy Seakos
 Relinquished By: Tommy Seakos Date: 11-25 Received By: _____

Delivered By: (Circle One) Observed Temp. °C 2.8 Sample Condition: Intact Cool Yes No No
 Corrected Temp. °C _____ CHECKED BY: _____ (Initials)
 Sampler - UPS - Bus - Other: _____ Thermometer ID #113 _____
 Correction Factor None _____

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



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

November 23, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LM LAMBERT

Enclosed are the results of analyses for samples received by the laboratory on 11/20/20 9:55.

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.

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 "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 11/20/2020 | Sampling Date: | 11/20/2020 |
| Reported: | 11/23/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 6' (H003078-01)

| 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 | 11/20/2020 | ND | 1.89 | 94.4 | 2.00 | 7.75 | | |
| Toluene* | <0.050 | 0.050 | 11/20/2020 | ND | 1.82 | 91.1 | 2.00 | 8.19 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2020 | ND | 1.89 | 94.3 | 2.00 | 9.22 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/20/2020 | ND | 5.42 | 90.3 | 6.00 | 8.77 | | |
| Total BTEX | <0.300 | 0.300 | 11/20/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| 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 | 11/20/2020 | ND | 251 | 125 | 200 | 0.615 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/20/2020 | ND | 236 | 118 | 200 | 1.33 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/20/2020 | ND | | | | | | |

Surrogate: 1-Chlorooctane 95.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.5 % 42.2-156

Cardinal Laboratories

* = Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/20/2020
 Reported: 11/23/2020
 Project Name: LM LAMBERT
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 11/20/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 7' (H003078-02)

| 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 | 11/20/2020 | ND | 1.89 | 94.4 | 2.00 | 7.75 | | |
| Toluene* | <0.050 | 0.050 | 11/20/2020 | ND | 1.82 | 91.1 | 2.00 | 8.19 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2020 | ND | 1.89 | 94.3 | 2.00 | 9.22 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/20/2020 | ND | 5.42 | 90.3 | 6.00 | 8.77 | | |
| Total BTEX | <0.300 | 0.300 | 11/20/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| 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 | 11/20/2020 | ND | 251 | 125 | 200 | 0.615 | | |
| DRO >C10-C28* | 78.9 | 10.0 | 11/20/2020 | ND | 236 | 118 | 200 | 1.33 | | |
| EXT DRO >C28-C36 | 70.5 | 10.0 | 11/20/2020 | ND | | | | | | |

Surrogate: 1-Chlorooctane 93.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.0 % 42.2-156

Cardinal Laboratories

* = Accredited Analyte

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Mike Snyder For 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

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

A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For 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: Apache Corporation
 Project Manager: Sara Baker
 Address: _____ State: _____ Zip: _____
 City: _____ Attn: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: LM Lambert
 Project Location: LM Lambert
 Sampler Name: Tommy Dakin
 P.O. #: _____ Company: _____
 Attn: _____ Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | PRESERV | SAMPLING | DATE | TIME | REMARKS |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|---------|----------|------|----------|---------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | |
| HO03078 | 1 SP1 @ 6' | | 6 | | | | | | | | 11-20-20 | 9:11 | B Tex | |
| | 2 SP4 @ 7' | | 6 | | | | | | | | 11-20-20 | 9:13 | ext. TPH | |

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Relinquished By: *Tommy Dakin* Date: 11-20-20 Received By: *Yamara Delgado* Date: 0955
 Relinquished By: _____ Date: _____ Received By: _____ Date: _____

Delivered By: (Circle One) Observed Temp. °C: 5.9 Corrected Temp. °C: _____
 Sampler - UPS - Bus - Other: _____
 Sample Condition: Cool Intact Yes No
 CHECKED BY: (Initials) *YD*
 Turnaround Time: _____ Standard Rush
 Thermometer ID #113 Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C: _____
 Correction Factor None Yes No 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

December 02, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LM LAMBERT

Enclosed are the results of analyses for samples received by the laboratory on 11/30/20 15:49.

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.

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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|---------------|
| Received: | 11/30/2020 | Sampling Date: | 11/30/2020 |
| Reported: | 12/02/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Yvonne Muniz |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 8' (H003130-01)

| 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 | 12/01/2020 | ND | 2.10 | 105 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 12/01/2020 | ND | 2.02 | 101 | 2.00 | 3.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/01/2020 | ND | 2.09 | 104 | 2.00 | 3.60 | |
| Total Xylenes* | <0.150 | 0.150 | 12/01/2020 | ND | 5.96 | 99.4 | 6.00 | 3.43 | |
| Total BTEX | <0.300 | 0.300 | 12/01/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| 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 | 12/02/2020 | ND | 211 | 105 | 200 | 4.03 | |
| DRO >C10-C28* | 202 | 10.0 | 12/02/2020 | ND | 211 | 106 | 200 | 1.88 | |
| EXT DRO >C28-C36 | 159 | 10.0 | 12/02/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.3 % 42.2-156

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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

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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: *Apache Corporation* P.O. #:
 Project Manager: *Gene Belter* Company:
 Address: State: Zip: Attn:
 City: Address:
 Phone #: Fax #: City: State: Zip:
 Project #: Project Owner:
 Project Name: *LM LAMBERT* Phone #:
 Project Location: *LM LAMBERT* Fax #:
 Sampler Name: *Jeff Rasmussen*

| FOR LAB USE ONLY | MATRIX | PRESERV. | SAMPLING | DATE | TIME | REMARKS |
|-----------------------------|-------------------|----------|----------|-----------------|-------------|-----------------|
| Lab I.D. <i>H009330</i> | (G)RAB OR (C)OMP. | | | <i>11/30/20</i> | <i>0527</i> | <i>BTEX</i> |
| Sample I.D. <i>SP1 @ 8'</i> | # CONTAINERS | | | | | <i>EXT. TPH</i> |
| | GROUNDWATER | | | | | |
| | WASTEWATER | | | | | |
| | SOIL | | | | | |
| | OIL | | | | | |
| | SLUDGE | | | | | |
| | OTHER : | | | | | |
| | ACID/BASE: | | | | | |
| | ICE / COOL | | | | | |
| | OTHER : | | | | | |

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Relinquished By: *Jeff Rasmussen* Date: *11/30/20* Received By: *Whorel Wurtz*
 Relinquished By: *Jeff Rasmussen* Date: *12/11/20* Received By: *Rush address 12/11/20*

Delivered By: (Circle One) Observed Temp. °C *3.4* Sample Condition: Intact Cool Intact
 Sampler - UPS - Bus - Other: Corrected Temp. °C *#113* Yes No Yes No
 CHECKED BY: (Initials) *WR*
 Turnaround Time: *Rush* Standard Add'l Phone #:
 Thermometer ID: *#113* Bacteria (only) Sample Condition: Yes No Intact Observed Temp. °C
 Correction Factor: *#113* Yes No No No 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

December 04, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LM LAMBERT

Enclosed are the results of analyses for samples received by the laboratory on 12/03/20 9:25.

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.

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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 12/03/2020 | Sampling Date: | 12/03/2020 |
| Reported: | 12/04/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 9' (H003167-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.100 | 0.100 | 12/03/2020 | ND | 2.09 | 104 | 2.00 | 1.50 | |
| Toluene* | 0.407 | 0.100 | 12/03/2020 | ND | 2.00 | 100 | 2.00 | 1.69 | GC-NC1 |
| Ethylbenzene* | 5.94 | 0.100 | 12/03/2020 | ND | 2.06 | 103 | 2.00 | 1.21 | |
| Total Xylenes* | 10.1 | 0.300 | 12/03/2020 | ND | 5.88 | 98.1 | 6.00 | 1.08 | |
| Total BTEX | 16.5 | 0.600 | 12/03/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 327 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-06 | |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 940 | 50.0 | 12/03/2020 | ND | 215 | 108 | 200 | 2.24 | |
| DRO >C10-C28* | 6170 | 50.0 | 12/03/2020 | ND | 219 | 110 | 200 | 1.27 | |
| EXT DRO >C28-C36 | 1020 | 50.0 | 12/03/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 211 % 44.3-144

Surrogate: 1-Chlorooctadecane 170 % 42.2-156

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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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 12/03/2020 | Sampling Date: | 12/03/2020 |
| Reported: | 12/04/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 10' (H003167-02)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2020 | ND | 2.09 | 104 | 2.00 | 1.50 | |
| Toluene* | 0.583 | 0.050 | 12/04/2020 | ND | 2.00 | 100 | 2.00 | 1.69 | GC-NC1 |
| Ethylbenzene* | 5.64 | 0.050 | 12/04/2020 | ND | 2.06 | 103 | 2.00 | 1.21 | |
| Total Xylenes* | 5.72 | 0.150 | 12/04/2020 | ND | 5.88 | 98.1 | 6.00 | 1.08 | |
| Total BTEX | 11.9 | 0.300 | 12/04/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 395 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-06 | |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 535 | 50.0 | 12/03/2020 | ND | 215 | 108 | 200 | 2.24 | |
| DRO >C10-C28* | 3780 | 50.0 | 12/03/2020 | ND | 219 | 110 | 200 | 1.27 | |
| EXT DRO >C28-C36 | 778 | 50.0 | 12/03/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 159 % 44.3-144

Surrogate: 1-Chlorooctadecane 136 % 42.2-156

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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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 12/03/2020 | Sampling Date: | 12/03/2020 |
| Reported: | 12/04/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 11' (H003167-03)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.100 | 0.100 | 12/04/2020 | ND | 2.09 | 104 | 2.00 | 1.50 | | |
| Toluene* | 0.979 | 0.100 | 12/04/2020 | ND | 2.00 | 100 | 2.00 | 1.69 | GC-NC1 | |
| Ethylbenzene* | 9.36 | 0.100 | 12/04/2020 | ND | 2.06 | 103 | 2.00 | 1.21 | | |
| Total Xylenes* | 12.2 | 0.300 | 12/04/2020 | ND | 5.88 | 98.1 | 6.00 | 1.08 | | |
| Total BTEX | 22.5 | 0.600 | 12/04/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 292 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | 564 | 50.0 | 12/03/2020 | ND | 215 | 108 | 200 | 2.24 | | |
| DRO >C10-C28* | 3190 | 50.0 | 12/03/2020 | ND | 219 | 110 | 200 | 1.27 | | |
| EXT DRO >C28-C36 | 664 | 50.0 | 12/03/2020 | ND | | | | | | |

Surrogate: 1-Chlorooctane 138 % 44.3-144

Surrogate: 1-Chlorooctadecane 124 % 42.2-156

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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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 12/03/2020 | Sampling Date: | 12/03/2020 |
| Reported: | 12/04/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 12' (H003167-04)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2020 | ND | 2.09 | 104 | 2.00 | 1.50 | |
| Toluene* | 0.126 | 0.050 | 12/04/2020 | ND | 2.00 | 100 | 2.00 | 1.69 | GC-NC1 |
| Ethylbenzene* | 1.41 | 0.050 | 12/04/2020 | ND | 2.06 | 103 | 2.00 | 1.21 | |
| Total Xylenes* | 1.12 | 0.150 | 12/04/2020 | ND | 5.88 | 98.1 | 6.00 | 1.08 | |
| Total BTEX | 2.65 | 0.300 | 12/04/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 232 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-06 | |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 144 | 50.0 | 12/03/2020 | ND | 215 | 108 | 200 | 2.24 | |
| DRO >C10-C28* | 1830 | 50.0 | 12/03/2020 | ND | 219 | 110 | 200 | 1.27 | |
| EXT DRO >C28-C36 | 449 | 50.0 | 12/03/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 118 % 44.3-144

Surrogate: 1-Chlorooctadecane 170 % 42.2-156

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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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 12/03/2020 | Sampling Date: | 12/03/2020 |
| Reported: | 12/04/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 13' (H003167-05)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.100 | 0.100 | 12/04/2020 | ND | 2.09 | 104 | 2.00 | 1.50 | |
| Toluene* | 1.68 | 0.100 | 12/04/2020 | ND | 2.00 | 100 | 2.00 | 1.69 | GC-NC1 |
| Ethylbenzene* | 11.5 | 0.100 | 12/04/2020 | ND | 2.06 | 103 | 2.00 | 1.21 | |
| Total Xylenes* | 13.9 | 0.300 | 12/04/2020 | ND | 5.88 | 98.1 | 6.00 | 1.08 | |
| Total BTEX | 27.1 | 0.600 | 12/04/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 343 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-06 | |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 1080 | 50.0 | 12/03/2020 | ND | 215 | 108 | 200 | 2.24 | |
| DRO >C10-C28* | 5250 | 50.0 | 12/03/2020 | ND | 219 | 110 | 200 | 1.27 | |
| EXT DRO >C28-C36 | 937 | 50.0 | 12/03/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 189 % 44.3-144

Surrogate: 1-Chlorooctadecane 213 % 42.2-156

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

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
- 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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: *Apache Corporation*
 Project Manager: *Gene Baker*

P.O. #:
 Company:

Address:
 City: State: Zip:

Attn:
 Address:
 City: State: Zip:

Phone #: Fax #:
 Project Owner:

City: State: Zip:
 Phone #: Fax #:

Project Name: *LM LAMBERT*
 Project Location: *LM LAMBERT*

Sampler Name: *Jeff Brown*

FOR LAB USE ONLY

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | | DATE | TIME | BTEX | EXT. TPH | |
|----------------|----------------|-------------------|--------------|-------------------------------------|------------|------|-----|--------|---------|------------|------|-------------|-------------|-------------------------------------|-------------------------------------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | | | | | ICE / COOL |
| <i>HO03167</i> | <i>SP109'</i> | | | <input checked="" type="checkbox"/> | | | | | | | | <i>0830</i> | <i>0832</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>SP1010'</i> | | | <input checked="" type="checkbox"/> | | | | | | | | <i>0834</i> | <i>0836</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>SP1011'</i> | | | <input checked="" type="checkbox"/> | | | | | | | | <i>0836</i> | <i>0838</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>SP1012'</i> | | | <input checked="" type="checkbox"/> | | | | | | | | <i>0838</i> | <i>0840</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>SP1013'</i> | | | <input checked="" type="checkbox"/> | | | | | | | | <i>0840</i> | <i>0842</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

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Relinquished By: *Jeff Brown*

Received By: *Janessa White*

Date: *01/3/20*
 Time: *0825*

Date: *01/3/20*
 Time: *0825*

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

4.2c #113

Sample Condition
 Cool Intact
 Yes No

CHECKED BY: *JP*
 (Initials)

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

REMARKS: *Risk Samples Draw.*

* Cardinal cannot accept verbal change. Please fax written advance to (575) 393-2326



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

December 16, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LM LAMBERT

Enclosed are the results of analyses for samples received by the laboratory on 12/15/20 14:40.

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.

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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 12/15/2020 | Sampling Date: | 12/15/2020 |
| Reported: | 12/16/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | ** (See Notes) |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 15' (H003265-01)

| 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 | 12/16/2020 | ND | 2.09 | 105 | 2.00 | 0.600 | |
| Toluene* | <0.050 | 0.050 | 12/16/2020 | ND | 1.97 | 98.5 | 2.00 | 1.57 | |
| Ethylbenzene* | 0.189 | 0.050 | 12/16/2020 | ND | 2.08 | 104 | 2.00 | 1.09 | |
| Total Xylenes* | 0.232 | 0.150 | 12/16/2020 | ND | 5.94 | 99.0 | 6.00 | 0.719 | |
| Total BTEX | 0.444 | 0.300 | 12/16/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 118 % 73.3-129

| 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 | 12/16/2020 | ND | 194 | 97.1 | 200 | 2.46 | |
| DRO >C10-C28* | 204 | 10.0 | 12/16/2020 | ND | 204 | 102 | 200 | 2.34 | |
| EXT DRO >C28-C36 | 22.6 | 10.0 | 12/16/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.8 % 42.2-156

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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 12/15/2020 | Sampling Date: | 12/15/2020 |
| Reported: | 12/16/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | ** (See Notes) |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 20' (H003265-02)

| 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 | 12/16/2020 | ND | 2.09 | 105 | 2.00 | 0.600 | |
| Toluene* | <0.050 | 0.050 | 12/16/2020 | ND | 1.97 | 98.5 | 2.00 | 1.57 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/16/2020 | ND | 2.08 | 104 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 12/16/2020 | ND | 5.94 | 99.0 | 6.00 | 0.719 | |
| Total BTEX | <0.300 | 0.300 | 12/16/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| 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 | 12/16/2020 | ND | 194 | 97.1 | 200 | 2.46 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/16/2020 | ND | 204 | 102 | 200 | 2.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/16/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.6 % 42.2-156

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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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 12/15/2020 | Sampling Date: | 12/15/2020 |
| Reported: | 12/16/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | ** (See Notes) |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 25' (H003265-03)

| 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 | 12/16/2020 | ND | 2.09 | 105 | 2.00 | 0.600 | |
| Toluene* | <0.050 | 0.050 | 12/16/2020 | ND | 1.97 | 98.5 | 2.00 | 1.57 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/16/2020 | ND | 2.08 | 104 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 12/16/2020 | ND | 5.94 | 99.0 | 6.00 | 0.719 | |
| Total BTEX | <0.300 | 0.300 | 12/16/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| 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 | 12/16/2020 | ND | 194 | 97.1 | 200 | 2.46 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/16/2020 | ND | 204 | 102 | 200 | 2.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/16/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.9 % 42.2-156

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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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 12/15/2020 | Sampling Date: | 12/15/2020 |
| Reported: | 12/16/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | ** (See Notes) |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 30' (H003265-04)

| 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 | 12/16/2020 | ND | 2.09 | 105 | 2.00 | 0.600 | | |
| Toluene* | <0.050 | 0.050 | 12/16/2020 | ND | 1.97 | 98.5 | 2.00 | 1.57 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/16/2020 | ND | 2.08 | 104 | 2.00 | 1.09 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/16/2020 | ND | 5.94 | 99.0 | 6.00 | 0.719 | | |
| Total BTEX | <0.300 | 0.300 | 12/16/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| 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 | 12/16/2020 | ND | 194 | 97.1 | 200 | 2.46 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/16/2020 | ND | 204 | 102 | 200 | 2.34 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/16/2020 | ND | | | | | | |

Surrogate: 1-Chlorooctane 94.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.3 % 42.2-156

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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
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 12/15/2020 | Sampling Date: | 12/15/2020 |
| Reported: | 12/16/2020 | Sampling Type: | Soil |
| Project Name: | LM LAMBERT | Sampling Condition: | ** (See Notes) |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 35' (H003265-05)

| 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 | 12/16/2020 | ND | 2.09 | 105 | 2.00 | 0.600 | |
| Toluene* | <0.050 | 0.050 | 12/16/2020 | ND | 1.97 | 98.5 | 2.00 | 1.57 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/16/2020 | ND | 2.08 | 104 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 12/16/2020 | ND | 5.94 | 99.0 | 6.00 | 0.719 | |
| Total BTEX | <0.300 | 0.300 | 12/16/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| 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 | 12/16/2020 | ND | 194 | 97.1 | 200 | 2.46 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/16/2020 | ND | 204 | 102 | 200 | 2.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/16/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCS/D recovery and/or RPD values.
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

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 12857

CONDITIONS OF APPROVAL

| | | | | | |
|--------------------|--|-------------------------|---------------|-------------------------|-----------------------|
| Operator: #1000 | APACHE CORPORATION Midland, TX79705 | 303 Veterans Airpark Ln | OGRID: 873 | Action Number: 12857 | Action Type: C-141 |
|--------------------|--|-------------------------|---------------|-------------------------|-----------------------|

| OCD Reviewer | Condition |
|--------------|---|
| ceads | Additional sample points to vertically delineate the BTEX and TPH within the release area are required. All constituents will need to be sampled for. |
| ceads | Unless the contamination is immediately above or next to production equipment, remediation is required to be completed. |
| ceads | The volume of the spill may need to be recalculated. |