

| | |
|----------------|----------------|
| Incident ID | NAPP2107730944 |
| 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: 6/15/2021
email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: Robert Hamlet Date: 3/17/2022

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Robert Hamlet Date: 3/17/2022



303 Veterans Airpark Lane Midland, TX 79705

Amended Remediation Plan

November 4, 2021

Re: CLFCA Trunk Line
Case nAPP2107730944

Background:

On 3/09/2021 a release occurred due to a 4 inch metal grooved transition developed a pin hole due to external corrosion. The release (GPS: 32.823125, -103.976782) is located north of Loco Hills, New Mexico in unit letter G section 21 township 17S range 30E. On 6/8/2021 a soil bore was conducted 90 feet east of the release. The soil bore was advanced to a depth of 110 feet below ground surface. The bore hole was left open for 72 hours and gauged for the presence of water. The bore hole was dry to a depth of 110 feet.

On 4/29/2021 vertical delineation was conducted utilizing a backhoe to a depth of 10 feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. On 4/30/2021 horizontal 5 point surface composite samples were collected not to exceed 200 square feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. On 5/10/2021, 6/1/2021, and 6/8/2021 further delineation was conducted at SP1 utilizing a backhoe, excavator, and soil bore rig. SP 1 was advanced to a depth of 70 feet. All samples collected were submitted to commercial laboratory for analysis of chloride. The release area has been delineated below table one standards for release greater than 100 feet to groundwater.

Remediation Plan:

Apache Corporation proposes that the release area be excavated to a depth of 4 feet below ground surface and install a 20 mil reinforced liner. 5 point wall composite samples will be collected not to exceed 200 square feet. All excavated soil (340 yards) will be hauled to a temporary above ground treatment cell (See RXSOILS Attachment for treatment details). Once laboratory analysis confirm that the soil is below reclamation standards it will be utilized to backfill the excavation. The disturbed area will be reseeded in accordance with surface landowner's guidelines. The remediation will be completed within 90 days of OCD approval of the plan.

Enclosed: C-141, Groundwater Data, Maps, Sample Data, Laboratory Results, Field Notes, Noxious Weed and Revegetation Plan, and RXSOILS Treatment Details.

Submitted by;

Bruce Baker

Environmental Technician
larry.baker@apachecorp.com
Cell# 432-631-6982

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|----------------|--|
| Incident ID | |
| 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>>110</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 checked="" type="checkbox"/> Yes <input 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

Page 4

| | |
|----------------|--|
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Printed Name: Larry Baker Title: Environmental Tech SR.
Signature: Larry Baker Date: 6/15/2021
email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

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Remediation Plan

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Printed Name: Larry Baker Title: Environmental Tech SR.
Signature: Larry Baker Date: 6/15/2021
email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

CLFCA Trunk Line Volume Calculation

542.03 cubic feet of soil contamination x 7.48 gallons per cubic foot = 4,054.40 gallons/42 gallons to a barrel= 96 barrels X .40 soil porosity= *42 = x .40= 38 released + 45 recovered = 83 barrels.

Please Select a Coordinate System and enter the coordinates:

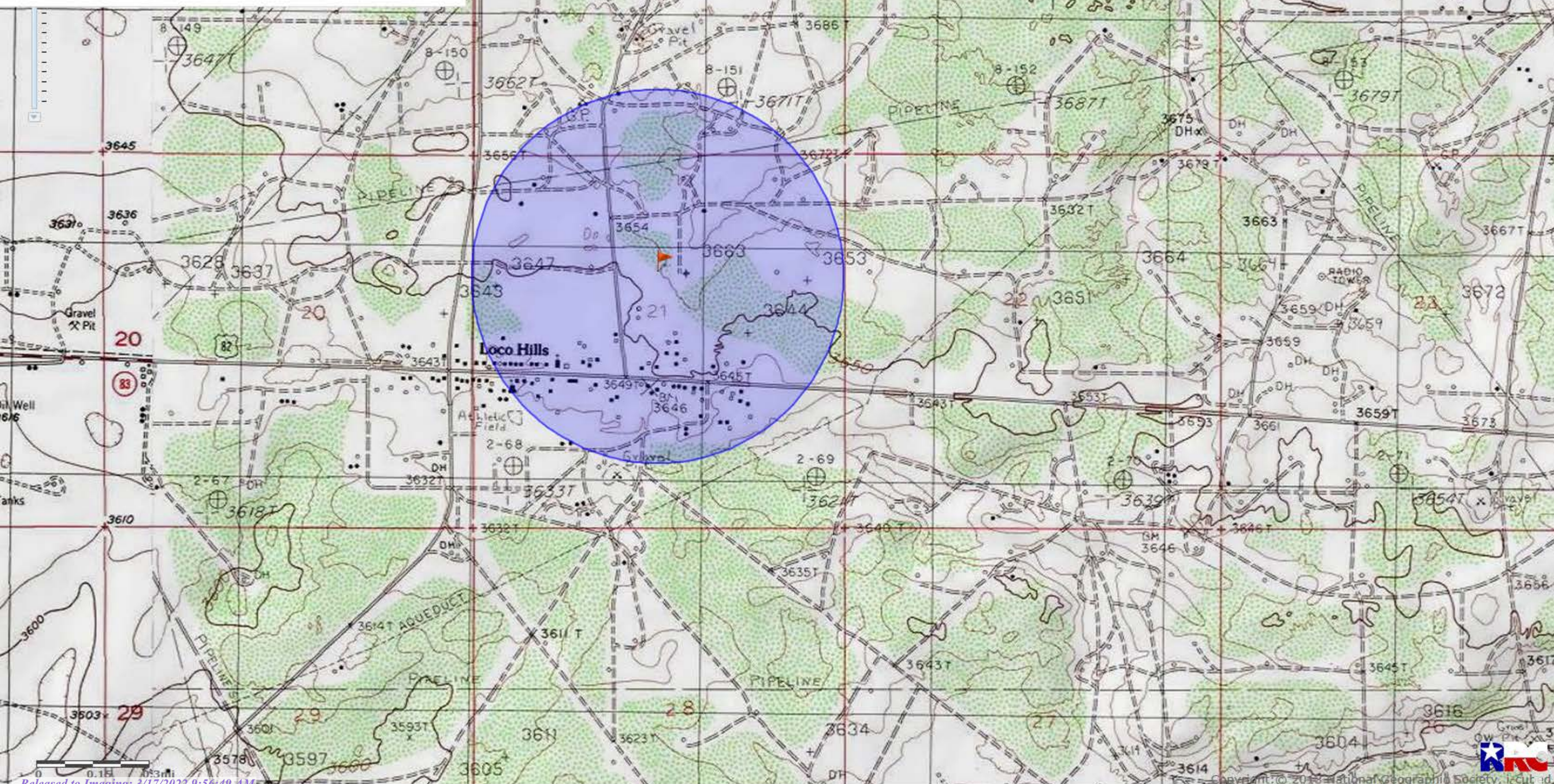
GCS_WGS_1984

32.823125 -103.976782 Show

Radius

Buffer Size (miles) : 0.5

Click Map to Draw Radius

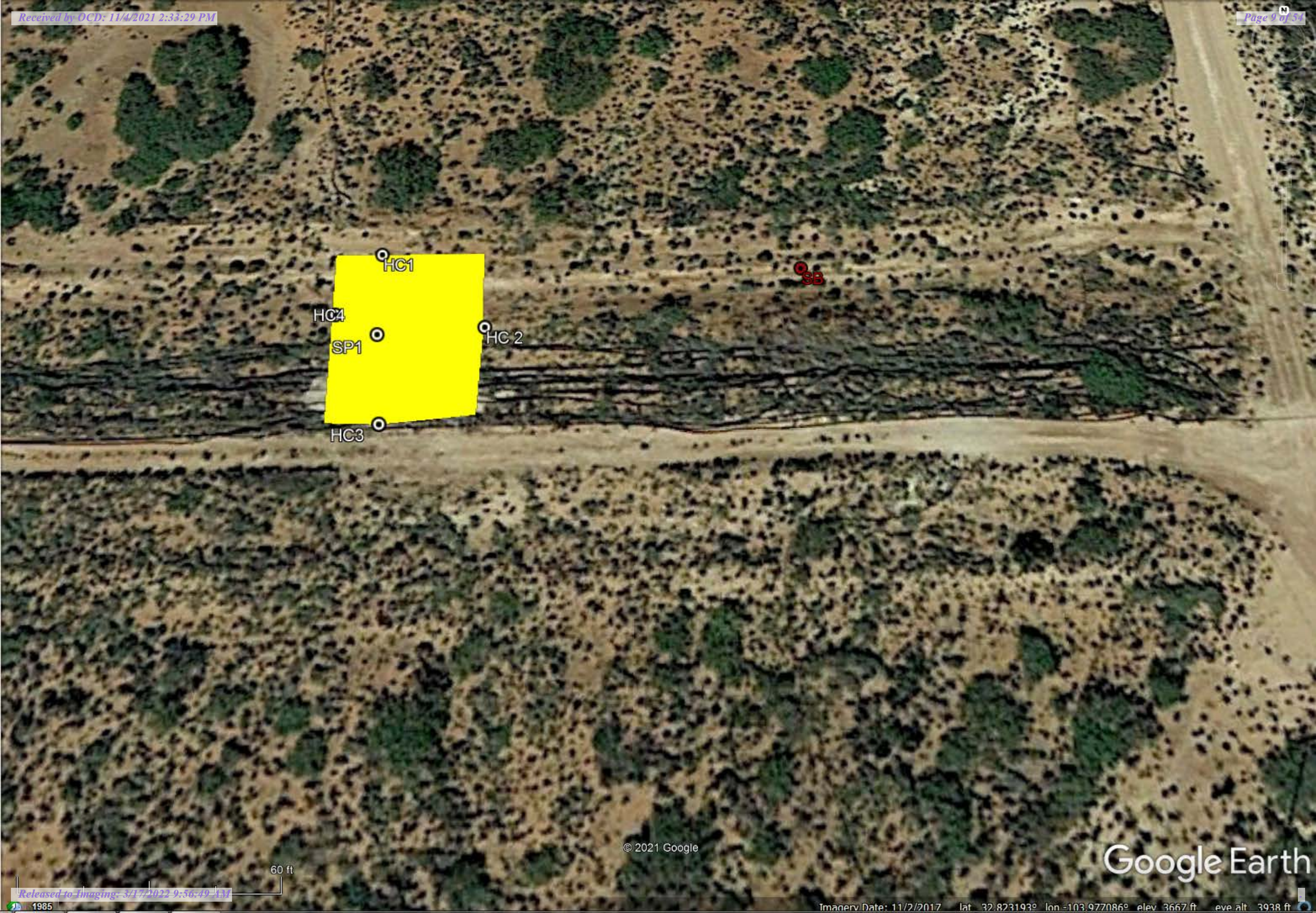


Desert Sand Water Well Services, LLC.

Soil Bore Report

| | | | | |
|---------------------|-----------------------------------|--|-------------------------|--------|
| General / Well Info | Customer: | | Phone: | Date: |
| | Dimondback Disposal/ Apache Corp. | | 575-631-9586 | 6/8/21 |
| | Well Name: | | Location: | |
| | CLFCA Trunk Line | | 32.8231731 -103.9765221 | |

| | | | | |
|-------------|-------|-----|---------------------|--|
| LOG OF WELL | DEPTH | | THICKNESS (feet) | COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER BEARING CAVITIES OR FRACTURES |
| | FROM | TO | | |
| | 0 | 2 | 2 | TOP SOIL |
| | 2 | 20 | 18 | CALECHE / RED SAND |
| | 20 | 40 | 20 | RED SAND |
| | 40 | 60 | 20 | RED SAND / RED CALY STRIGERS |
| | 60 | 80 | 20 | RED CLAY |
| | 80 | 90 | 10 | RED CLAY / GRAVEL |
| | 90 | 110 | 20 | RED SAND |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | BORE HOLE WAS LEFT OPEN FOR 72 HOUR THEN CHECKED FOR |
| | | | | WATER. THE BORE HOLE WAS DRY AFTER 72 HOURS. BORE HOLE WAS |
| | | | | PLUGGED FROM THE BOTTOM OF THE HOLE TO THE TOP WITH |
| | | | | 3/8 HOLE PLUG ON 6/11/21. |
| | | | | |
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| | | | | |
| | | | | |
| | | | | |



HC1

HC4

SP1

HC3

HC 2

SB

© 2021 Google

Google Earth

60 ft

| Sample Date | Sample ID | Depth | Field Chloride | Chloride | Benzene | Toulene | Ethybenzene | Total Xylenes | Total BTEX | GRO | DRO | EXT DRO | GPS Coordinates |
|----------------------------|-----------|-------|----------------|----------|---------|---------|-------------|---------------|------------|-------|-------|---------|-----------------------------|
| Delineation Samples | | | | | | | | | | | | | |
| 4/29/2021 | SP 1 | S | | 15,600 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.8231162, -103.9769067 |
| 4/29/2021 | | 2' | | 27,300 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| 4/29/2021 | | 4' | | 17,800 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| 4/29/2021 | | 6' | | 11,600 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| 4/29/2021 | | 8' | | 11,300 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| 4/29/2021 | | 10' | | 16,600 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| 5/10/2021 | | 12' | | 17,600 | | | | | | | | | |
| 5/10/2021 | | 14' | | 16,200 | | | | | | | | | |
| 5/10/2021 | | 15' | | 14,000 | | | | | | | | | |
| 6/1/2021 | | 17' | | 9,360 | | | | | | | | | |
| 6/1/2021 | | 19' | | 11,800 | | | | | | | | | |
| 6/1/2021 | | 20' | | 12,000 | | | | | | | | | |
| 6/8/2021 | | 25' | | 10,600 | | | | | | | | | |
| 6/8/2021 | | 30' | | 7,330 | | | | | | | | | |
| 6/8/2021 | | 35' | | 8,200 | | | | | | | | | |
| 6/8/2021 | | 40' | | 3,280 | | | | | | | | | |
| 6/8/2021 | | 45' | | 352 | | | | | | | | | |
| 6/8/2021 | | 50' | | 1,220 | | | | | | | | | |
| 6/8/2021 | | 55' | | 6,530 | | | | | | | | | |
| 6/8/2021 | | 60' | | 4,560 | | | | | | | | | |
| 6/8/2021 | | 65' | | 1,580 | | | | | | | | | |
| 6/8/2021 | | 70' | | 352 | | | | | | | | | |
| Horizontal Samples | | | | | | | | | | | | | |
| 4/30/2021 | H1 | S | | <16.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.8231951, -103.9769100 |
| 4/30/2021 | H2 | S | | <16.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.8231221, -103.9768078 |
| 4/30/2021 | H3 | S | | 112 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.8230323, -103.9768960 |
| 4/30/2021 | H4 | S | | 16.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.8231376, -103.9769439 |



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

May 04, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA TRUNK LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/29/21 16:43.

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". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------------|---------------------|----------------|
| Received: | 04/29/2021 | Sampling Date: | 04/29/2021 |
| Reported: | 05/04/2021 | Sampling Type: | Soil |
| Project Name: | CLFCA TRUNK LINE | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ SURFACE (H211108-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.12 | 106 | 2.00 | 5.85 | |
| Toluene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.06 | 103 | 2.00 | 6.14 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.02 | 101 | 2.00 | 5.47 | |
| Total Xylenes* | <0.150 | 0.150 | 04/30/2021 | ND | 5.97 | 99.6 | 6.00 | 5.09 | |
| Total BTEX | <0.300 | 0.300 | 04/30/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 15600 | 16.0 | 05/03/2021 | 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 | 04/30/2021 | ND | 206 | 103 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2021 | ND | 215 | 107 | 200 | 2.78 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.9 % 38.9-142

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

Analytical Results For:

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

Received: 04/29/2021
 Reported: 05/04/2021
 Project Name: CLFCA TRUNK LINE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 04/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 2' (H211108-02)

| BTX 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.12 | 106 | 2.00 | 5.85 | | |
| Toluene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.06 | 103 | 2.00 | 6.14 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.02 | 101 | 2.00 | 5.47 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/30/2021 | ND | 5.97 | 99.6 | 6.00 | 5.09 | | |
| Total BTX | <0.300 | 0.300 | 04/30/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

| Chloride, SM4500CI-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 27200 | 16.0 | 05/03/2021 | 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 | 04/30/2021 | ND | 206 | 103 | 200 | 1.49 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2021 | ND | 215 | 107 | 200 | 2.78 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 70.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.0 % 38.9-142

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

Analytical Results For:

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

Received: 04/29/2021
 Reported: 05/04/2021
 Project Name: CLFCA TRUNK LINE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 04/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 4' (H211108-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.12 | 106 | 2.00 | 5.85 | |
| Toluene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.06 | 103 | 2.00 | 6.14 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.02 | 101 | 2.00 | 5.47 | |
| Total Xylenes* | <0.150 | 0.150 | 04/30/2021 | ND | 5.97 | 99.6 | 6.00 | 5.09 | |
| Total BTEx | <0.300 | 0.300 | 04/30/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 17800 | 16.0 | 05/03/2021 | 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 | 04/30/2021 | ND | 206 | 103 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2021 | ND | 215 | 107 | 200 | 2.78 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.2 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/29/2021
 Reported: 05/04/2021
 Project Name: CLFCA TRUNK LINE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 04/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 6' (H211108-04)

| 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 | 04/30/2021 | ND | 2.12 | 106 | 2.00 | 5.85 | |
| Toluene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.06 | 103 | 2.00 | 6.14 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.02 | 101 | 2.00 | 5.47 | |
| Total Xylenes* | <0.150 | 0.150 | 04/30/2021 | ND | 5.97 | 99.6 | 6.00 | 5.09 | |
| Total BTEx | <0.300 | 0.300 | 04/30/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 11600 | 16.0 | 05/03/2021 | 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 | 04/30/2021 | ND | 206 | 103 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2021 | ND | 215 | 107 | 200 | 2.78 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/29/2021
 Reported: 05/04/2021
 Project Name: CLFCA TRUNK LINE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 04/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 8' (H211108-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.12 | 106 | 2.00 | 5.85 | | |
| Toluene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.06 | 103 | 2.00 | 6.14 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.02 | 101 | 2.00 | 5.47 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/30/2021 | ND | 5.97 | 99.6 | 6.00 | 5.09 | | |
| Total BTX | <0.300 | 0.300 | 04/30/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 11300 | 16.0 | 05/03/2021 | 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 | 04/30/2021 | ND | 206 | 103 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2021 | ND | 215 | 107 | 200 | 2.78 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/29/2021
 Reported: 05/04/2021
 Project Name: CLFCA TRUNK LINE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 04/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 10' (H211108-06)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.12 | 106 | 2.00 | 5.85 | |
| Toluene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.06 | 103 | 2.00 | 6.14 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.02 | 101 | 2.00 | 5.47 | |
| Total Xylenes* | <0.150 | 0.150 | 04/30/2021 | ND | 5.97 | 99.6 | 6.00 | 5.09 | |
| Total BTX | <0.300 | 0.300 | 04/30/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16600 | 16.0 | 05/03/2021 | 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 | 04/30/2021 | ND | 206 | 103 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2021 | ND | 215 | 107 | 200 | 2.78 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

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 LCSD recovery and/or RPD values. |
| 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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

May 04, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA TRUNK LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/30/21 10:32.

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 04/30/2021 | Sampling Date: | 04/30/2021 |
| Reported: | 05/04/2021 | Sampling Type: | Soil |
| Project Name: | CLFCA TRUNK LINE | Sampling Condition: | Cool & Intact |
| Project Number: | CLFCA TRUNKLINE (T.L.) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: H 1 (H211110-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.01 | 101 | 2.00 | 3.12 | |
| Toluene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.07 | 103 | 2.00 | 0.209 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.07 | 103 | 2.00 | 1.80 | |
| Total Xylenes* | <0.150 | 0.150 | 04/30/2021 | ND | 5.84 | 97.4 | 6.00 | 0.548 | |
| Total BTX | <0.300 | 0.300 | 04/30/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 05/03/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2021 | ND | 206 | 103 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2021 | ND | 200 | 100 | 200 | 0.983 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 04/30/2021 | Sampling Date: | 04/30/2021 |
| Reported: | 05/04/2021 | Sampling Type: | Soil |
| Project Name: | CLFCA TRUNK LINE | Sampling Condition: | Cool & Intact |
| Project Number: | CLFCA TRUNKLINE (T.L.) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: H 2 (H211110-02)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.01 | 101 | 2.00 | 3.12 | |
| Toluene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.07 | 103 | 2.00 | 0.209 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.07 | 103 | 2.00 | 1.80 | |
| Total Xylenes* | <0.150 | 0.150 | 04/30/2021 | ND | 5.84 | 97.4 | 6.00 | 0.548 | |
| Total BTEx | <0.300 | 0.300 | 04/30/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 05/03/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2021 | ND | 206 | 103 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2021 | ND | 200 | 100 | 200 | 0.983 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 04/30/2021 | Sampling Date: | 04/30/2021 |
| Reported: | 05/04/2021 | Sampling Type: | Soil |
| Project Name: | CLFCA TRUNK LINE | Sampling Condition: | Cool & Intact |
| Project Number: | CLFCA TRUNKLINE (T.L.) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: H 3 (H211110-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.01 | 101 | 2.00 | 3.12 | |
| Toluene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.07 | 103 | 2.00 | 0.209 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.07 | 103 | 2.00 | 1.80 | |
| Total Xylenes* | <0.150 | 0.150 | 04/30/2021 | ND | 5.84 | 97.4 | 6.00 | 0.548 | |
| Total BTEx | <0.300 | 0.300 | 04/30/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 05/03/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/03/2021 | ND | 390 | 97.5 | 400 | 0.442 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/03/2021 | ND | 344 | 86.0 | 400 | 0.466 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/03/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 63.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 60.9 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 04/30/2021 | Sampling Date: | 04/30/2021 |
| Reported: | 05/04/2021 | Sampling Type: | Soil |
| Project Name: | CLFCA TRUNK LINE | Sampling Condition: | Cool & Intact |
| Project Number: | CLFCA TRUNKLINE (T.L.) | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: H 4 (H211110-04)

| 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 | 04/30/2021 | ND | 2.01 | 101 | 2.00 | 3.12 | | |
| Toluene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.07 | 103 | 2.00 | 0.209 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/30/2021 | ND | 2.07 | 103 | 2.00 | 1.80 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/30/2021 | ND | 5.84 | 97.4 | 6.00 | 0.548 | | |
| Total BTEX | <0.300 | 0.300 | 04/30/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 89.9 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 05/03/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/03/2021 | ND | 390 | 97.5 | 400 | 0.442 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/03/2021 | ND | 344 | 86.0 | 400 | 0.466 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/03/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 69.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.6 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



BILL TO

ANALYSIS REQUEST

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



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

May 12, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA TRUNK LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/10/21 13:30.

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

Received: 05/10/2021
 Reported: 05/12/2021
 Project Name: CLFCA TRUNK LINE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 05/10/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 12' (H211194-01)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 17600 | 16.0 | 05/12/2021 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: SP 1 @ 14' (H211194-02)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16200 | 16.0 | 05/12/2021 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: SP 1 @ 15' (H211194-03)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 14000 | 16.0 | 05/12/2021 | ND | 400 | 100 | 400 | 7.69 | |

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

| | |
|-----|--|
| 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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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



BILL TO

[illegible]

Relinquished By:

Relinquished By: 

| | |
|-------|-----------|
| Date: | 5/10/2022 |
| Time: | 1:30 |
| Date: | |
| Time: | |

Received By: *[Signature]*
Received By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C 9.4

Corrected Temp. °C

Sample Condition

| | | | |
|--------------------------|-----|-------------------------------------|-----|
| <input type="checkbox"/> | Yes | <input checked="" type="checkbox"/> | Yes |
| <input type="checkbox"/> | No | <input type="checkbox"/> | No |

CHECKED BY:

4.

Turnaround Time:

Thermometer ID #113
Correction Factor None

Standard

KUSH

☒

| | | |
|--|--|--|
| | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|--|--|--|

Bacteria (only) Sample Condition

| | | |
|------------------------------|------------------------------|--------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> Yes | Corrected Temp. °C |
| <input type="checkbox"/> No | <input type="checkbox"/> No | |

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



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

June 02, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA FLOW LINE

Enclosed are the results of analyses for samples received by the laboratory on 06/01/21 15:35.

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". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|-----------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/02/2021 | Sampling Type: | Soil |
| Project Name: | CLFCA FLOW LINE | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP 1 @ 17' (H211387-01)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 9360 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.92 | |

Sample ID: SP 1 @ 19' (H211387-02)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 11800 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.92 | |

Sample ID: SP 1 @ 20' (H211387-03)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 12000 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | QM-07 |

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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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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "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

[illegible]



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

June 10, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA

Enclosed are the results of analyses for samples received by the laboratory on 06/08/21 16:30.

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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

| | |
|------------------|---|
| Method SM 9223-B | Total Coliform and E. coli (Colilert MMO-MUG) |
| Method EPA 524.2 | Regulated VOCs and Total Trihalomethanes (TTHM) |
| Method EPA 552.2 | Total Haloacetic Acids (HAA-5) |

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: CLFCA
Project Number: NONE GIVEN
Project Manager: JEFFREY BROOM
Fax To: (575) 393-2432

Reported:
10-Jun-21 09:56

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------|---------------|--------|-----------------|-----------------|
| SP 1 @ 25' | H211482-01 | Soil | 08-Jun-21 12:04 | 08-Jun-21 16:30 |
| SP 1 @ 30' | H211482-02 | Soil | 08-Jun-21 12:06 | 08-Jun-21 16:30 |
| SP 1 @ 35' | H211482-03 | Soil | 08-Jun-21 12:08 | 08-Jun-21 16:30 |
| SP 1 @ 40' | H211482-04 | Soil | 08-Jun-21 12:10 | 08-Jun-21 16:30 |
| SP 1 @ 45' | H211482-05 | Soil | 08-Jun-21 12:12 | 08-Jun-21 16:30 |
| SP 1 @ 50' | H211482-06 | Soil | 08-Jun-21 12:14 | 08-Jun-21 16:30 |
| SP 1 @ 55' | H211482-07 | Soil | 08-Jun-21 12:16 | 08-Jun-21 16:30 |
| SP 1 @ 60' | H211482-08 | Soil | 08-Jun-21 12:18 | 08-Jun-21 16:30 |
| SP 1 @ 65' | H211482-09 | Soil | 08-Jun-21 12:20 | 08-Jun-21 16:30 |
| SP 1 @ 70' | H211482-10 | Soil | 08-Jun-21 12:22 | 08-Jun-21 16:30 |

06/10/21 - Client changed the project name. This is the revised report and will replace the one sent on 06/09/21.

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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: CLFCA
Project Number: NONE GIVEN
Project Manager: JEFFREY BROOM
Fax To: (575) 393-2432

Reported:
10-Jun-21 09:56

SP 1 @ 25'
H211482-01 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|--------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 10600 | | 16.0 | mg/kg | 4 | 1060906 | GM | 09-Jun-21 | 4500-Cl-B | |
|-----------------|--------------|--|------|-------|---|---------|----|-----------|-----------|--|

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: CLFCA
Project Number: NONE GIVEN
Project Manager: JEFFREY BROOM
Fax To: (575) 393-2432

Reported:
10-Jun-21 09:56

SP 1 @ 30'
H211482-02 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 7330 | | 16.0 | mg/kg | 4 | 1060906 | GM | 09-Jun-21 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: CLFCA
Project Number: NONE GIVEN
Project Manager: JEFFREY BROOM
Fax To: (575) 393-2432

Reported:
10-Jun-21 09:56

SP 1 @ 35'
H211482-03 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 8200 | | 16.0 | mg/kg | 4 | 1060906 | GM | 09-Jun-21 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

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
2350 W. MARLAND BLVD.
HOBBS NM, 88240Project: CLFCA
Project Number: NONE GIVEN
Project Manager: JEFFREY BROOM
Fax To: (575) 393-2432Reported:
10-Jun-21 09:56**SP 1 @ 40'**
H211482-04 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 3280 | | 16.0 | mg/kg | 4 | 1060906 | GM | 09-Jun-21 | 4500-Cl-B | |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: CLFCA
Project Number: NONE GIVEN
Project Manager: JEFFREY BROOM
Fax To: (575) 393-2432

Reported:
10-Jun-21 09:56

SP 1 @ 45'
H211482-05 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|----------|--------|-----|-----------------|-------|----------|---------|---------|-----------|-----------|-------|
| Chloride | 352 | | 16.0 | mg/kg | 4 | 1060906 | GM | 09-Jun-21 | 4500-Cl-B | |

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: CLFCA
Project Number: NONE GIVEN
Project Manager: JEFFREY BROOM
Fax To: (575) 393-2432

Reported:
10-Jun-21 09:56

SP 1 @ 50'
H211482-06 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 1220 | | 16.0 | mg/kg | 4 | 1060906 | GM | 09-Jun-21 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: CLFCA
Project Number: NONE GIVEN
Project Manager: JEFFREY BROOM
Fax To: (575) 393-2432

Reported:
10-Jun-21 09:56

SP 1 @ 55'
H211482-07 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|-------|
| Chloride | 6530 | | 16.0 | mg/kg | 4 | 1060907 | GM | 09-Jun-21 | 4500-Cl-B | QM-07 |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|-------|

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: CLFCA
Project Number: NONE GIVEN
Project Manager: JEFFREY BROOM
Fax To: (575) 393-2432

Reported:
10-Jun-21 09:56

SP 1 @ 60'
H211482-08 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 4560 | | 16.0 | mg/kg | 4 | 1060907 | GM | 09-Jun-21 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: CLFCA
Project Number: NONE GIVEN
Project Manager: JEFFREY BROOM
Fax To: (575) 393-2432

Reported:
10-Jun-21 09:56

SP 1 @ 65'
H211482-09 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 1580 | | 16.0 | mg/kg | 4 | 1060907 | GM | 09-Jun-21 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: CLFCA
Project Number: NONE GIVEN
Project Manager: JEFFREY BROOM
Fax To: (575) 393-2432

Reported:
10-Jun-21 09:56

SP 1 @ 70'
H211482-10 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|----------|--------|-----|-----------------|-------|----------|---------|---------|-----------|-----------|-------|
| Chloride | 352 | | 16.0 | mg/kg | 4 | 1060907 | GM | 09-Jun-21 | 4500-Cl-B | |

Cardinal Laboratories

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: CLFCA
Project Number: NONE GIVEN
Project Manager: JEFFREY BROOM
Fax To: (575) 393-2432

Reported:
10-Jun-21 09:56

Inorganic Compounds - Quality Control**Cardinal Laboratories**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|----------------|-----|--------------|-------|

Batch 1060906 - 1:4 DI Water**Blank (1060906-BLK1)**

Prepared & Analyzed: 09-Jun-21

| | | | | | | | | | |
|----------|----|------|-------|--|--|--|--|--|--|
| Chloride | ND | 16.0 | mg/kg | | | | | | |
|----------|----|------|-------|--|--|--|--|--|--|

LCS (1060906-BS1)

Prepared & Analyzed: 09-Jun-21

| | | | | | | | | | |
|----------|-----|------|-------|-----|-----|--------|--|--|--|
| Chloride | 400 | 16.0 | mg/kg | 400 | 100 | 80-120 | | | |
|----------|-----|------|-------|-----|-----|--------|--|--|--|

LCS Dup (1060906-BSD1)

Prepared & Analyzed: 09-Jun-21

| | | | | | | | | | |
|----------|-----|------|-------|-----|-----|--------|------|----|--|
| Chloride | 416 | 16.0 | mg/kg | 400 | 104 | 80-120 | 3.92 | 20 | |
|----------|-----|------|-------|-----|-----|--------|------|----|--|

Batch 1060907 - 1:4 DI Water**Blank (1060907-BLK1)**

Prepared & Analyzed: 09-Jun-21

| | | | | | | | | | |
|----------|----|------|-------|--|--|--|--|--|--|
| Chloride | ND | 16.0 | mg/kg | | | | | | |
|----------|----|------|-------|--|--|--|--|--|--|

LCS (1060907-BS1)

Prepared & Analyzed: 09-Jun-21

| | | | | | | | | | |
|----------|-----|------|-------|-----|-----|--------|--|--|--|
| Chloride | 416 | 16.0 | mg/kg | 400 | 104 | 80-120 | | | |
|----------|-----|------|-------|-----|-----|--------|--|--|--|

LCS Dup (1060907-BSD1)

Prepared & Analyzed: 09-Jun-21

| | | | | | | | | | |
|----------|-----|------|-------|-----|-----|--------|------|----|--|
| Chloride | 416 | 16.0 | mg/kg | 400 | 104 | 80-120 | 0.00 | 20 | |
|----------|-----|------|-------|-----|-----|--------|------|----|--|

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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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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|------------------|------------------|--------------|-------------|------------|------|-----|------------------|--------|------------|----------|--------|--------------|--------------|----------|--|--|--|--|--|
| Company Name: <u>Aspen</u> | | P.O. #: | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | |
| Project Manager: <u>Jeff Brown</u> | | Company: | | | | | | | | | | | | | | | | | | |
| Address: | | Attn: | | | | | | | | | | | | | | | | | | |
| City: <u>Hobbs</u> | | Address: | | | | | | | | | | | | | | | | | | |
| State: <u>NM</u> Zip: <u>88240</u> | | City: | | | | | | | | | | | | | | | | | | |
| Phone #: | | State: | | | | | | | | | | | | | | | | | | |
| Project #: | | Zip: | | | | | | | | | | | | | | | | | | |
| Project Name: | | Phone #: | | | | | | | | | | | | | | | | | | |
| Project Location: <u>CEFC</u> | | Fax #: | | | | | | | | | | | | | | | | | | |
| Sampler Name: <u>Jeff Brown</u> | | PRESERV: | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | SAMPLING | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | CE/COOL | OTHER: | DATE | TIME | | | | | | |
| <u>H21 H82</u> | <u>SP1 @ 25'</u> | <u>1</u> | <u>1</u> | | | | | | | <u>1</u> | <u>1</u> | | <u>4/8</u> | <u>12:04</u> | <u>X</u> | | | | | |
| | <u>SP1 @ 30'</u> | <u>2</u> | <u>1</u> | | | | | | | <u>1</u> | <u>1</u> | | <u>12:06</u> | <u>12:08</u> | <u>X</u> | | | | | |
| | <u>SP1 @ 35'</u> | <u>3</u> | <u>1</u> | | | | | | | <u>1</u> | <u>1</u> | | <u>12:10</u> | <u>12:12</u> | <u>X</u> | | | | | |
| | <u>SP1 @ 40'</u> | <u>4</u> | <u>1</u> | | | | | | | <u>1</u> | <u>1</u> | | <u>12:12</u> | <u>12:14</u> | <u>X</u> | | | | | |
| | <u>SP1 @ 45'</u> | <u>5</u> | <u>1</u> | | | | | | | <u>1</u> | <u>1</u> | | <u>12:16</u> | <u>12:18</u> | <u>X</u> | | | | | |
| | <u>SP1 @ 50'</u> | <u>6</u> | <u>1</u> | | | | | | | <u>1</u> | <u>1</u> | | <u>12:20</u> | <u>12:22</u> | <u>X</u> | | | | | |
| | <u>SP1 @ 55'</u> | <u>7</u> | <u>1</u> | | | | | | | <u>1</u> | <u>1</u> | | <u>12:22</u> | <u>12:24</u> | <u>X</u> | | | | | |
| | <u>SP1 @ 60'</u> | <u>8</u> | <u>1</u> | | | | | | | <u>1</u> | <u>1</u> | | <u>12:24</u> | <u>12:26</u> | <u>X</u> | | | | | |
| | <u>SP1 @ 65'</u> | <u>9</u> | <u>1</u> | | | | | | | <u>1</u> | <u>1</u> | | <u>12:26</u> | <u>12:28</u> | <u>X</u> | | | | | |
| | <u>SP1 @ 70'</u> | <u>10</u> | <u>1</u> | | | | | | | <u>1</u> | <u>1</u> | | <u>12:28</u> | <u>12:30</u> | <u>X</u> | | | | | |

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Relinquished By: [Signature] Date: 4/8/21 Received By: [Signature] Verbal Result: ☐ Yes ☐ No Add'l Phone #:

Reinquinshed By: [Signature] Date: 4/8/21 Received By: [Signature] All Results are emailed. Please provide Email address:

Delivered By: (Circle One) Observed Temp. °C 1.4 Sample Condition Cool ☒ Intact ☐ Checked BY: (Initials) YO

Sampler - UPS - Bus - Other: Corrected Temp. °C 7.0 Turnaround Time: Standard Bacteria (only) Sample Condition Cool ☒ Intact ☐ Observed Temp. °C 7.0 Corrected Temp. °C 7.0

Thermometer ID #113 Correction Factor None

REMARKS: Trace B diff
*flashed up per JHE. On 4/19/21

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

Apache ELFCA

June 8 2021 Soil Bore

| | | | |
|-----------|------|--------------|----------|
| SP1 @25' | 2.63 | 2.67 = 7,019 | Samel |
| 11.2/30.0 | | | |
| SP1 @30' | 2.50 | 2.69 = 6,722 | Samel |
| 11.2/30.2 | | | |
| SP1 @35' | 2.11 | 2.74 = 5,779 | wet sand |
| 11.0/30.2 | | | |
| SP1 @40' | 1.18 | 2.72 = 3,208 | wet sand |
| 11.1/30.2 | | | |
| SP1 @45' | 0.81 | 2.72 = 2,202 | wet sand |
| 11.1/30.2 | | | |
| SP1 @50' | 0.70 | 2.72 = 1,903 | wet sand |
| 11.1/30.3 | | | |
| SP1 @55' | 1.05 | 2.72 = 2,855 | wet sand |
| 11.0/30.0 | | | |
| SP1 @60' | 0.42 | 2.70 = 13,33 | wet sand |
| 11.1/30.0 | | | |
| SP1 @65' | 0.25 | 2.74 = 684 | wet sand |
| 11.0/30.2 | | | |
| SP1 @70' | .11 | 2.68 = 294 | Dry sand |
| 11.3/30.3 | | | |

| | | | |
|--------------|------------|--------------|--|
| SP2 @surface | 82.8231731 | -103.9765221 | |
| 11.0/30.0 | .03 | 2.72 = 81 | |
| SP2 @5' | | | |
| 11.1/30.2 | .03 | 2.72 = 81 | |
| SP2 @10' | | | |
| 11.0/30.0 | .03 | 2.72 = 81 | |



**CLFCA Trunk-Line
nAPP2107730944
Revegetation
And
Noxious Weed Plan**

Revegetation Plan:

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

Noxious Weed Plan:

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



I. Soil Treatment Plan

RXSoil's core process of on-site remediation will be used to address the contamination. RXSoil will supervise all excavation with approval from area utilities owners via NM 811.

RXSoil will construct an above-ground treatment cell (see below for potential cell placement). Berms will be constructed around the perimeter of the cell area. A 20-mil reinforced poly liner will be placed on the surface and up the sides of the berms to contain treatment. A proprietary drainage and collection system will be installed prior to filling the cells. All contaminated soil will be placed in the contained treatment cell for treatment. It is estimated 340 cubic yards will require remediation.

Once all contaminated material is in the treatment cell, chemical and biological treatment will begin. To confirm successful treatment, confirmation samples will be gathered from the bottom 12" of the treated soil with one sample representing no more than 100 cubic yards as agreed upon in previous work. If a sample were to test above threshold, treatment would continue in that area until the soil tested clean, per strictest Table I guidelines for impacted soils. Once all soil is confirmed below Table I thresholds, soil will be backfilled, and the treatment cell will be demobilized.



RXSoil, Inc.
201 Main St. Ste. 1360, Fort Worth, TX 76102

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

CONDITIONS

Action 60333

CONDITIONS

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|---|---|
| Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705 | OGRID: 873 |
| | Action Number: 60333 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| rhamlet | The Amended Remediation Plan is Conditionally Approved. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Sidewall and floor samples should represent no more than 200 ft2. The variance to install a 20 mil reinforced liner at 4 feet is approved. The RXSOILS soil treatment cell is approved with samples representing no more than 200 cubic feet. The work will need to occur in 90 days after the work plan has been approved. | 3/17/2022 |