



303 Veterans Airpark Lane Midland, TX 79705

Closure Report

March 2, 2021

Re: NEDU 226

Case # nAPP2035052334

On 12/3/2020 a release occurred due to a stuffing box failure. The release (GPS: 32.50698, -103.14713) is located north of Eunice, New Mexico in unit letter R section 3 township 21S range 37E. On 2/1/2021 a soil bore (GPS: 32.509909, -103.148437) was conducted .20 miles north of the release. The soil bore was advanced to a depth of 57 feet. The bore hole was left open for 48 hours and gauged for the presence of water. According to the contractor soil log there was no presence of water to 57 feet. The bore hole indicates that the groundwater beneath the soil bore is 51-100 feet to groundwater.

On 2/8/2021 final 5 point composite surface 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. Laboratory results were above table one standards for TPH for release 51-100 feet to groundwater at sample point B 10. On 2/25/2021 sample point B 10 was excavated to a depth of 1 foot. Final 5 point bottom and wall composite samples were collected and submitted to a commercial laboratory for analysis of TPH and BTEX. All excavated material (7 yards) was hauled to an OCD approved disposal facility. The excavation was backfilled with clean imported caliche.

Apache Corporation has remediated the release to below table one standards and respectfully request closure of event nAPP2035326198.

Enclosed: C-141, Groundwater Data, Maps, Sample Data, Laboratory Results, Field Notes, and Photos.

Submitted by;

Bruce Baker

Environmental Technician

larry.baker@apachecorp.com

Cell# 432-631-6982

| | |
|----------------|--|
| 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>51-100</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

Page 4

| | |
|----------------|--|
| Incident ID | |
| 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: _____ Date: 3/2/2021
email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

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

Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Larry Baker Title: Environmental Tech SR.
Signature: _____ Date: 3/2/2021
email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: Chad Hensley Date: 04/28/2021

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

Closure Approved by: Chad Hensley Date: 04/28/2021
Printed Name: Chad Hensley Title: Environmental Specialist Advanced



Bore Hole

NEDU 226

© 2021 Google

Google Earth

446 ft

BORING LOCATION: APACHE CORPORATION NEDU #206
DESERT SAND DRILLING

DATE: 2/1/2021

| DEPTH (FEET BGL) | | | | | |
|------------------|-----|-----------|-------------------|-----|----|
| FROM | TO | THICKNESS | TYPE OF SOIL | YES | NO |
| 0' | 5' | 5' | TOPSOIL | | X |
| 5' | 10' | 5' | CALICHE | | X |
| 10' | 20' | 10' | CALICHE/RED SAND | | X |
| 20' | 38' | 18' | RED SAND/CLAY | | X |
| 38' | 48' | 10' | RED SAND | | X |
| 48' | 57' | 9' | TAN SAND/RED CLAY | | X |

Please Select a Coordinate System and enter the coordinates:

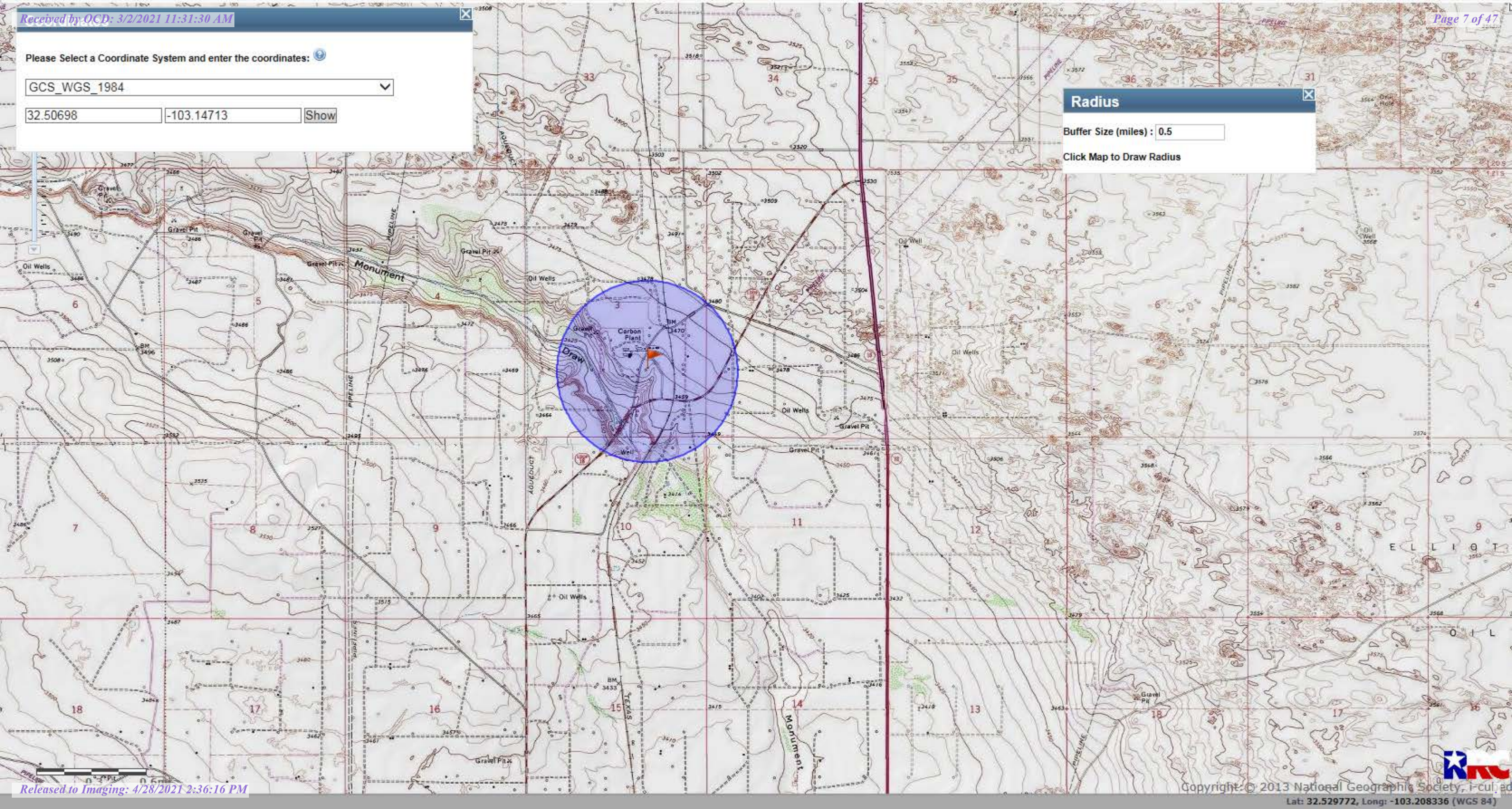
GCS_WGS_1984

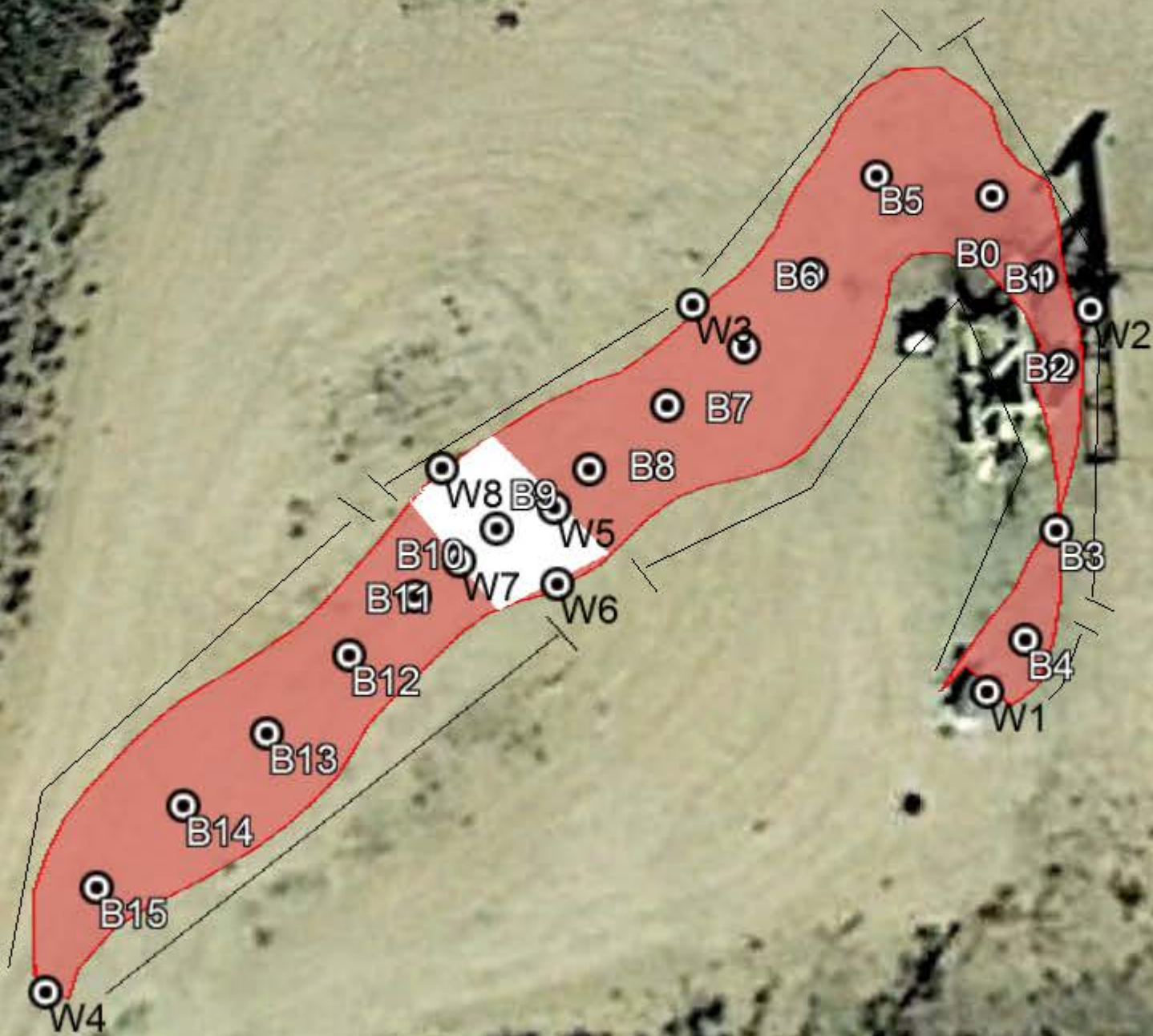
32.50698 -103.14713 Show

Radius

Buffer Size (miles) : 0.5

Click Map to Draw Radius





© 2021 Google

Google Earth

| Sample Date | Sample ID | Depth | Chloride | Benzene | Toulene | Ethybenzene | Total Xylenes | Total BTEX | GRO | DRO | EXT DRO | GPS Coordinates |
|----------------|-----------|-------|----------|---------|---------|-------------|---------------|------------|-------|-------|---------|------------------------|
| Wall Samples | | | | | | | | | | | | |
| 2/8/2021 | W1 | S | <16.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.50734 -103.14645 |
| 2/8/2021 | W2 | S | 192 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.50741 -103.14639 |
| 2/8/2021 | W3 | S | 80 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.50734 -103.14667 |
| 2/8/2021 | W4 | S | <16.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.50729 -103.14667 |
| 2/25/2021 | W5 | 6" | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 80.7 | 15.8 | 32.50731 -103.14664 |
| 2/25/2021 | W6 | 6" | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 203 | 45.2 | 32.50730 -103.14668 |
| 2/25/2021 | W7 | 6" | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 10 | <10.0 | 32.50733 -103.14669 |
| 2/25/2021 | W8 | 6" | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 30.9 | <10.0 | 32.50733 -103.14664 |
| Bottom Samples | | | | | | | | | | | | |
| 2/8/2021 | B0 | S | 1260 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 37.7 | 10.9 | 32.50731 -103.14649 |
| 2/8/2021 | B1 | S | 1880 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 24.6 | <10.0 | 32.50732 -103.14646 |
| 2/8/2021 | B2 | S | 128 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 56.6 | 11.1 | 32.50734 -103.14645 |
| 2/8/2021 | B3 | S | 144 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 95.9 | 18.6 | 32.50733 -103.14647 |
| 2/8/2021 | B4 | S | 96 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 146 | 19 | 32.50726 -103.14645 |
| 2/8/2021 | B5 | S | 1540 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 152 | 40.6 | 32.50751 -103.14667 |
| 2/8/2021 | B6 | S | 160 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 337 | 96.9 | 32.50742 -103.14667 |
| 2/8/2021 | B7 | S | 2600 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 294 | 317 | 32.50743 -103.14672 |
| 2/8/2021 | B8 | S | 1390 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 11.1 | <10.0 | 32.50739 -103.14683 |
| 2/8/2021 | B9 | S | 2600 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 213 | 56.5 | 32.50735 -103.14674 |
| 2/8/2021 | B10 | S | 1900 | <0.050 | <0.050 | 0.250 | 1.130 | 1.38 | 60 | 969 | 184 | 32.50731 -103.14682 |

| | | | | | | | | | | | | |
|-----------|-----|----|-----|--------|--------|--------|--------|--------|-------|-------|-------|------------------------|
| 2/25/2021 | B10 | 1' | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 10.8 | <10.0 | |
| 2/8/2021 | B11 | S | 960 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 32.8 | <10.0 | 32.50730 -103.14677 |
| 2/8/2021 | B12 | S | 96 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 44.4 | <10.0 | 32.50725 -103.14675 |
| 2/8/2021 | B13 | S | 368 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 258 | 51 | 32.50726 -103.14674 |
| 2/8/2021 | B14 | S | 304 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.50707 -103.14680 |
| 2/8/2021 | B15 | S | 48 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 75.3 | 31.8 | 32.50713 -103.14693 |



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

February 11, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU #226

Enclosed are the results of analyses for samples received by the laboratory on 02/08/21 15:20.

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

Received: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 1 (H210319-01)

| 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 | 02/10/2021 | ND | 2.21 | 110 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.17 | 108 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.11 | 105 | 2.00 | 4.27 | |
| Total Xylenes* | <0.150 | 0.150 | 02/10/2021 | ND | 6.13 | 102 | 6.00 | 4.81 | |
| Total BTX | <0.300 | 0.300 | 02/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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 | 02/10/2021 | ND | 400 | 100 | 400 | 3.92 | |

| 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 | 02/10/2021 | ND | 224 | 112 | 200 | 0.237 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/10/2021 | ND | 220 | 110 | 200 | 1.13 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 72.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 64.7 % 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

Analytical Results For:

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

Received: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 2 (H210319-02)

| 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 | 02/11/2021 | ND | 2.21 | 110 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 02/11/2021 | ND | 2.17 | 108 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/11/2021 | ND | 2.11 | 105 | 2.00 | 4.27 | |
| Total Xylenes* | <0.150 | 0.150 | 02/11/2021 | ND | 6.13 | 102 | 6.00 | 4.81 | |
| Total BTEX | <0.300 | 0.300 | 02/11/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 192 | 16.0 | 02/10/2021 | ND | 400 | 100 | 400 | 3.92 | |

| 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 | 02/10/2021 | ND | 224 | 112 | 200 | 0.237 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/10/2021 | ND | 220 | 110 | 200 | 1.13 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 67.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 61.7 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 3 (H210319-03)

| 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 | 02/11/2021 | ND | 2.21 | 110 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 02/11/2021 | ND | 2.17 | 108 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/11/2021 | ND | 2.11 | 105 | 2.00 | 4.27 | |
| Total Xylenes* | <0.150 | 0.150 | 02/11/2021 | ND | 6.13 | 102 | 6.00 | 4.81 | |
| Total BTEx | <0.300 | 0.300 | 02/11/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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 | 80.0 | 16.0 | 02/10/2021 | ND | 400 | 100 | 400 | 3.92 | |

| 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 | 02/10/2021 | ND | 224 | 112 | 200 | 0.237 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/10/2021 | ND | 220 | 110 | 200 | 1.13 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.2 % 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

Analytical Results For:

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

Received: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 4 (H210319-04)

| 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 | 02/11/2021 | ND | 2.21 | 110 | 2.00 | 3.20 | |
| Toluene* | <0.050 | 0.050 | 02/11/2021 | ND | 2.17 | 108 | 2.00 | 3.89 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/11/2021 | ND | 2.11 | 105 | 2.00 | 4.27 | |
| Total Xylenes* | <0.150 | 0.150 | 02/11/2021 | ND | 6.13 | 102 | 6.00 | 4.81 | |
| Total BTEX | <0.300 | 0.300 | 02/11/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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 | 02/10/2021 | ND | 400 | 100 | 400 | 3.92 | |

| 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 | 02/10/2021 | ND | 224 | 112 | 200 | 0.237 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/10/2021 | ND | 220 | 110 | 200 | 1.13 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.2 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 0 (H210319-05)

| 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 | 02/11/2021 | ND | 2.21 | 110 | 2.00 | 3.20 | | |
| Toluene* | <0.050 | 0.050 | 02/11/2021 | ND | 2.17 | 108 | 2.00 | 3.89 | | |
| Ethylbenzene* | <0.050 | 0.050 | 02/11/2021 | ND | 2.11 | 105 | 2.00 | 4.27 | | |
| Total Xylenes* | <0.150 | 0.150 | 02/11/2021 | ND | 6.13 | 102 | 6.00 | 4.81 | | |
| Total BTEx | <0.300 | 0.300 | 02/11/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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 | 1260 | 16.0 | 02/10/2021 | ND | 400 | 100 | 400 | 3.92 | |

| 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 | 02/10/2021 | ND | 224 | 112 | 200 | 0.237 | |
| DRO >C10-C28* | 37.7 | 10.0 | 02/10/2021 | ND | 220 | 110 | 200 | 1.13 | |
| EXT DRO >C28-C36 | 10.9 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.1 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 1 (H210319-06)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/09/2021 | ND | 2.24 | 112 | 2.00 | 0.494 | |
| Toluene* | <0.050 | 0.050 | 02/09/2021 | ND | 2.21 | 111 | 2.00 | 0.845 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/09/2021 | ND | 2.18 | 109 | 2.00 | 0.312 | |
| Total Xylenes* | <0.150 | 0.150 | 02/09/2021 | ND | 6.36 | 106 | 6.00 | 0.0614 | |
| Total BTEx | <0.300 | 0.300 | 02/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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 | 1880 | 16.0 | 02/10/2021 | ND | 400 | 100 | 400 | 3.92 | |

| 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 | 02/10/2021 | ND | 224 | 112 | 200 | 0.237 | |
| DRO >C10-C28* | 24.6 | 10.0 | 02/10/2021 | ND | 220 | 110 | 200 | 1.13 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.4 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 2 (H210319-07)

| 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 | 02/09/2021 | ND | 2.24 | 112 | 2.00 | 0.494 | |
| Toluene* | <0.050 | 0.050 | 02/09/2021 | ND | 2.21 | 111 | 2.00 | 0.845 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/09/2021 | ND | 2.18 | 109 | 2.00 | 0.312 | |
| Total Xylenes* | <0.150 | 0.150 | 02/09/2021 | ND | 6.36 | 106 | 6.00 | 0.0614 | |
| Total BTX | <0.300 | 0.300 | 02/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 128 | 16.0 | 02/10/2021 | ND | 400 | 100 | 400 | 3.92 | |

| 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 | 02/10/2021 | ND | 224 | 112 | 200 | 0.237 | |
| DRO >C10-C28* | 56.6 | 10.0 | 02/10/2021 | ND | 220 | 110 | 200 | 1.13 | |
| EXT DRO >C28-C36 | 11.1 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.2 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 3 (H210319-08)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/09/2021 | ND | 2.24 | 112 | 2.00 | 0.494 | |
| Toluene* | <0.050 | 0.050 | 02/09/2021 | ND | 2.21 | 111 | 2.00 | 0.845 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/09/2021 | ND | 2.18 | 109 | 2.00 | 0.312 | |
| Total Xylenes* | <0.150 | 0.150 | 02/09/2021 | ND | 6.36 | 106 | 6.00 | 0.0614 | |
| Total BTEx | <0.300 | 0.300 | 02/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 144 | 16.0 | 02/10/2021 | 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 | 02/10/2021 | ND | 224 | 112 | 200 | 0.237 | |
| DRO >C10-C28* | 95.9 | 10.0 | 02/10/2021 | ND | 220 | 110 | 200 | 1.13 | |
| EXT DRO >C28-C36 | 18.6 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.0 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 4 (H210319-09)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/09/2021 | ND | 2.24 | 112 | 2.00 | 0.494 | |
| Toluene* | <0.050 | 0.050 | 02/09/2021 | ND | 2.21 | 111 | 2.00 | 0.845 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/09/2021 | ND | 2.18 | 109 | 2.00 | 0.312 | |
| Total Xylenes* | <0.150 | 0.150 | 02/09/2021 | ND | 6.36 | 106 | 6.00 | 0.0614 | |
| Total BTEX | <0.300 | 0.300 | 02/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 96.0 | 16.0 | 02/10/2021 | 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 | 02/10/2021 | ND | 224 | 112 | 200 | 0.237 | |
| DRO >C10-C28* | 146 | 10.0 | 02/10/2021 | ND | 220 | 110 | 200 | 1.13 | |
| EXT DRO >C28-C36 | 19.0 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.2 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 5 (H210319-10)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.24 | 112 | 2.00 | 0.494 | |
| Toluene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.21 | 111 | 2.00 | 0.845 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.18 | 109 | 2.00 | 0.312 | |
| Total Xylenes* | <0.150 | 0.150 | 02/10/2021 | ND | 6.36 | 106 | 6.00 | 0.0614 | |
| Total BTEx | <0.300 | 0.300 | 02/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 1540 | 16.0 | 02/10/2021 | 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 | 02/10/2021 | ND | 224 | 112 | 200 | 0.237 | |
| DRO >C10-C28* | 152 | 10.0 | 02/10/2021 | ND | 220 | 110 | 200 | 1.13 | |
| EXT DRO >C28-C36 | 40.6 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.8 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 6 (H210319-11)

| 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 | 02/10/2021 | ND | 2.24 | 112 | 2.00 | 0.494 | |
| Toluene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.21 | 111 | 2.00 | 0.845 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.18 | 109 | 2.00 | 0.312 | |
| Total Xylenes* | <0.150 | 0.150 | 02/10/2021 | ND | 6.36 | 106 | 6.00 | 0.0614 | |
| Total BTX | <0.300 | 0.300 | 02/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 160 | 16.0 | 02/10/2021 | 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 | 02/10/2021 | ND | 224 | 112 | 200 | 0.237 | |
| DRO >C10-C28* | 337 | 10.0 | 02/10/2021 | ND | 220 | 110 | 200 | 1.13 | |
| EXT DRO >C28-C36 | 96.9 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 72.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.4 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 7 (H210319-12)

| 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 | 02/10/2021 | ND | 2.24 | 112 | 2.00 | 0.494 | |
| Toluene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.21 | 111 | 2.00 | 0.845 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.18 | 109 | 2.00 | 0.312 | |
| Total Xylenes* | <0.150 | 0.150 | 02/10/2021 | ND | 6.36 | 106 | 6.00 | 0.0614 | |
| Total BTX | <0.300 | 0.300 | 02/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 2600 | 16.0 | 02/10/2021 | 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 | 02/10/2021 | ND | 224 | 112 | 200 | 0.237 | |
| DRO >C10-C28* | 294 | 10.0 | 02/10/2021 | ND | 220 | 110 | 200 | 1.13 | |
| EXT DRO >C28-C36 | 317 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.1 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 8 (H210319-13)

| 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 | 02/10/2021 | ND | 2.24 | 112 | 2.00 | 0.494 | |
| Toluene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.21 | 111 | 2.00 | 0.845 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.18 | 109 | 2.00 | 0.312 | |
| Total Xylenes* | <0.150 | 0.150 | 02/10/2021 | ND | 6.36 | 106 | 6.00 | 0.0614 | |
| Total BTX | <0.300 | 0.300 | 02/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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 | 1390 | 16.0 | 02/10/2021 | 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 | 02/10/2021 | ND | 224 | 112 | 200 | 0.237 | |
| DRO >C10-C28* | 11.1 | 10.0 | 02/10/2021 | ND | 220 | 110 | 200 | 1.13 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.6 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 9 (H210319-14)

| 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 | 02/10/2021 | ND | 2.24 | 112 | 2.00 | 0.494 | |
| Toluene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.21 | 111 | 2.00 | 0.845 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.18 | 109 | 2.00 | 0.312 | |
| Total Xylenes* | <0.150 | 0.150 | 02/10/2021 | ND | 6.36 | 106 | 6.00 | 0.0614 | |
| Total BTX | <0.300 | 0.300 | 02/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 2600 | 16.0 | 02/10/2021 | 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 | 02/10/2021 | ND | 212 | 106 | 200 | 1.51 | |
| DRO >C10-C28* | 213 | 10.0 | 02/10/2021 | ND | 222 | 111 | 200 | 1.71 | QM-07, QR-03 |
| EXT DRO >C28-C36 | 56.5 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.2 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 10 (H210319-15)

| 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 | 02/10/2021 | ND | 2.24 | 112 | 2.00 | 0.494 | |
| Toluene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.21 | 111 | 2.00 | 0.845 | |
| Ethylbenzene* | 0.250 | 0.050 | 02/10/2021 | ND | 2.18 | 109 | 2.00 | 0.312 | |
| Total Xylenes* | 1.13 | 0.150 | 02/10/2021 | ND | 6.36 | 106 | 6.00 | 0.0614 | GC-NC1 |
| Total BTEx | 1.38 | 0.300 | 02/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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 | 1900 | 16.0 | 02/10/2021 | 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* | 60.0 | 10.0 | 02/11/2021 | ND | 212 | 106 | 200 | 1.51 | |
| DRO >C10-C28* | 969 | 10.0 | 02/11/2021 | ND | 222 | 111 | 200 | 1.71 | |
| EXT DRO >C28-C36 | 184 | 10.0 | 02/11/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.5 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 11 (H210319-16)

| 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 | 02/10/2021 | ND | 2.24 | 112 | 2.00 | 0.494 | |
| Toluene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.21 | 111 | 2.00 | 0.845 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.18 | 109 | 2.00 | 0.312 | |
| Total Xylenes* | <0.150 | 0.150 | 02/10/2021 | ND | 6.36 | 106 | 6.00 | 0.0614 | |
| Total BTX | <0.300 | 0.300 | 02/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 960 | 16.0 | 02/10/2021 | 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 | 02/10/2021 | ND | 212 | 106 | 200 | 1.51 | |
| DRO >C10-C28* | 32.8 | 10.0 | 02/10/2021 | ND | 222 | 111 | 200 | 1.71 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.2 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 12 (H210319-17)

| 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 | 02/10/2021 | ND | 2.24 | 112 | 2.00 | 0.494 | |
| Toluene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.21 | 111 | 2.00 | 0.845 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.18 | 109 | 2.00 | 0.312 | |
| Total Xylenes* | <0.150 | 0.150 | 02/10/2021 | ND | 6.36 | 106 | 6.00 | 0.0614 | |
| Total BTEX | <0.300 | 0.300 | 02/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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 | 96.0 | 16.0 | 02/10/2021 | 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 | 02/10/2021 | ND | 212 | 106 | 200 | 1.51 | |
| DRO >C10-C28* | 44.4 | 10.0 | 02/10/2021 | ND | 222 | 111 | 200 | 1.71 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.8 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 13 (H210319-18)

| 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 | 02/10/2021 | ND | 2.24 | 112 | 2.00 | 0.494 | |
| Toluene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.21 | 111 | 2.00 | 0.845 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.18 | 109 | 2.00 | 0.312 | |
| Total Xylenes* | <0.150 | 0.150 | 02/10/2021 | ND | 6.36 | 106 | 6.00 | 0.0614 | |
| Total BTX | <0.300 | 0.300 | 02/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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 | 368 | 16.0 | 02/10/2021 | 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 | 02/10/2021 | ND | 212 | 106 | 200 | 1.51 | |
| DRO >C10-C28* | 258 | 10.0 | 02/10/2021 | ND | 222 | 111 | 200 | 1.71 | |
| EXT DRO >C28-C36 | 51.0 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.0 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 14 (H210319-19)

| 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 | 02/10/2021 | ND | 2.24 | 112 | 2.00 | 0.494 | |
| Toluene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.21 | 111 | 2.00 | 0.845 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.18 | 109 | 2.00 | 0.312 | |
| Total Xylenes* | <0.150 | 0.150 | 02/10/2021 | ND | 6.36 | 106 | 6.00 | 0.0614 | |
| Total BTX | <0.300 | 0.300 | 02/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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 | 304 | 16.0 | 02/10/2021 | 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 | 02/10/2021 | ND | 212 | 106 | 200 | 1.51 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/10/2021 | ND | 222 | 111 | 200 | 1.71 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.8 % 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: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 15 (H210319-20)

| 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 | 02/10/2021 | ND | 2.18 | 109 | 2.00 | 1.83 | |
| Toluene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.16 | 108 | 2.00 | 2.19 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/10/2021 | ND | 2.10 | 105 | 2.00 | 2.41 | |
| Total Xylenes* | <0.150 | 0.150 | 02/10/2021 | ND | 6.11 | 102 | 6.00 | 2.55 | |
| Total BTEx | <0.300 | 0.300 | 02/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 48.0 | 16.0 | 02/10/2021 | 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 | 02/10/2021 | ND | 212 | 106 | 200 | 1.51 | |
| DRO >C10-C28* | 75.3 | 10.0 | 02/10/2021 | ND | 222 | 111 | 200 | 1.71 | |
| EXT DRO >C28-C36 | 31.8 | 10.0 | 02/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.4 % 42.2-156

Cardinal Laboratories

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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. |
| 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 |

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

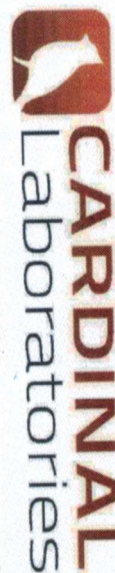
Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | |
|---|---|--|---|-------------------------|--|
| Company Name: Apache Corporation Project Manager: Bruce Baker Address: City: State: Zip: Phone #: Fax #: Project #: Project Owner: Project Name: NEDU 226 Project Location: NEDU 226 Sampler Name: Jeff Brown FOR LAB USE ONLY | | P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #: BILL TO | | ANALYSIS REQUEST | |
| Lab I.D. H210319 11 B6 12 B7 13 B8 14 B9 15 B10 16 B11 17 B12 18 B13 19 B14 20 B15 | Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: | DATE 8/8/21 TIME 1252 1257 1256 1258 1300 1302 1304 1306 1307 | CL- BTEX EXT. TPH | | |
| | | | | | |
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| | | | PLEASE NOTE: 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. | | Reinquinshed By: Date: 8/8/21 Received By: [Signature] Reinquinshed By: Date: Time: 1530 Received By: [Signature] |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | | Observed Temp. °C 2.9 Corrected Temp. °C Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: (Initials) Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C | | | |
| REMARKS: | | Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: | | | |

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



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

February 26, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU #226

Enclosed are the results of analyses for samples received by the laboratory on 02/25/21 12:25.

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

Received: 02/25/2021
 Reported: 02/26/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/25/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 10 @ 1' (H210462-01)

| 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 | 02/25/2021 | ND | 2.14 | 107 | 2.00 | 6.67 | |
| Toluene* | <0.050 | 0.050 | 02/25/2021 | ND | 2.12 | 106 | 2.00 | 6.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/25/2021 | ND | 2.05 | 102 | 2.00 | 6.98 | |
| Total Xylenes* | <0.150 | 0.150 | 02/25/2021 | ND | 5.97 | 99.5 | 6.00 | 6.54 | |
| Total BTEX | <0.300 | 0.300 | 02/25/2021 | 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 | 02/25/2021 | ND | 209 | 104 | 200 | 1.66 | |
| DRO >C10-C28* | 10.8 | 10.0 | 02/25/2021 | ND | 212 | 106 | 200 | 2.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 111 % 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: 02/25/2021
 Reported: 02/26/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/25/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 5 (H210462-02)

| 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 | 02/25/2021 | ND | 2.14 | 107 | 2.00 | 6.67 | | |
| Toluene* | <0.050 | 0.050 | 02/25/2021 | ND | 2.12 | 106 | 2.00 | 6.38 | | |
| Ethylbenzene* | <0.050 | 0.050 | 02/25/2021 | ND | 2.05 | 102 | 2.00 | 6.98 | | |
| Total Xylenes* | <0.150 | 0.150 | 02/25/2021 | ND | 5.97 | 99.5 | 6.00 | 6.54 | | |
| Total BTEx | <0.300 | 0.300 | 02/25/2021 | 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 | 02/25/2021 | ND | 209 | 104 | 200 | 1.66 | |
| DRO >C10-C28* | 80.7 | 10.0 | 02/25/2021 | ND | 212 | 106 | 200 | 2.62 | |
| EXT DRO >C28-C36 | 15.8 | 10.0 | 02/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 119 % 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: 02/25/2021
 Reported: 02/26/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/25/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 6 (H210462-03)

| 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 | 02/25/2021 | ND | 2.14 | 107 | 2.00 | 6.67 | | |
| Toluene* | <0.050 | 0.050 | 02/25/2021 | ND | 2.12 | 106 | 2.00 | 6.38 | | |
| Ethylbenzene* | <0.050 | 0.050 | 02/25/2021 | ND | 2.05 | 102 | 2.00 | 6.98 | | |
| Total Xylenes* | <0.150 | 0.150 | 02/25/2021 | ND | 5.97 | 99.5 | 6.00 | 6.54 | | |
| Total BTEX | <0.300 | 0.300 | 02/25/2021 | 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 | 02/25/2021 | ND | 209 | 104 | 200 | 1.66 | |
| DRO >C10-C28* | 203 | 10.0 | 02/25/2021 | ND | 212 | 106 | 200 | 2.62 | |
| EXT DRO >C28-C36 | 45.2 | 10.0 | 02/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 118 % 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: 02/25/2021
 Reported: 02/26/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/25/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 7 (H210462-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/25/2021 | ND | 2.14 | 107 | 2.00 | 6.67 | |
| Toluene* | <0.050 | 0.050 | 02/25/2021 | ND | 2.12 | 106 | 2.00 | 6.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/25/2021 | ND | 2.05 | 102 | 2.00 | 6.98 | |
| Total Xylenes* | <0.150 | 0.150 | 02/25/2021 | ND | 5.97 | 99.5 | 6.00 | 6.54 | |
| Total BTX | <0.300 | 0.300 | 02/25/2021 | 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 | 02/25/2021 | ND | 209 | 104 | 200 | 1.66 | |
| DRO >C10-C28* | 10.0 | 10.0 | 02/25/2021 | ND | 212 | 106 | 200 | 2.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 111 % 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: 02/25/2021
 Reported: 02/26/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/25/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 8 (H210462-05)

| 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 | 02/25/2021 | ND | 2.14 | 107 | 2.00 | 6.67 | |
| Toluene* | <0.050 | 0.050 | 02/25/2021 | ND | 2.12 | 106 | 2.00 | 6.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/25/2021 | ND | 2.05 | 102 | 2.00 | 6.98 | |
| Total Xylenes* | <0.150 | 0.150 | 02/25/2021 | ND | 5.97 | 99.5 | 6.00 | 6.54 | |
| Total BTEX | <0.300 | 0.300 | 02/25/2021 | 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 | 02/25/2021 | ND | 209 | 104 | 200 | 1.66 | |
| DRO >C10-C28* | 30.9 | 10.0 | 02/25/2021 | ND | 212 | 106 | 200 | 2.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 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 |

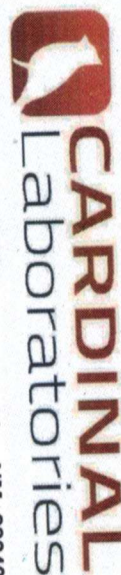
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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NEDU 224 2/25/21

B10 @ 1' - 1126

W5 @ 1' GPS = 32.50731 - 103.14664

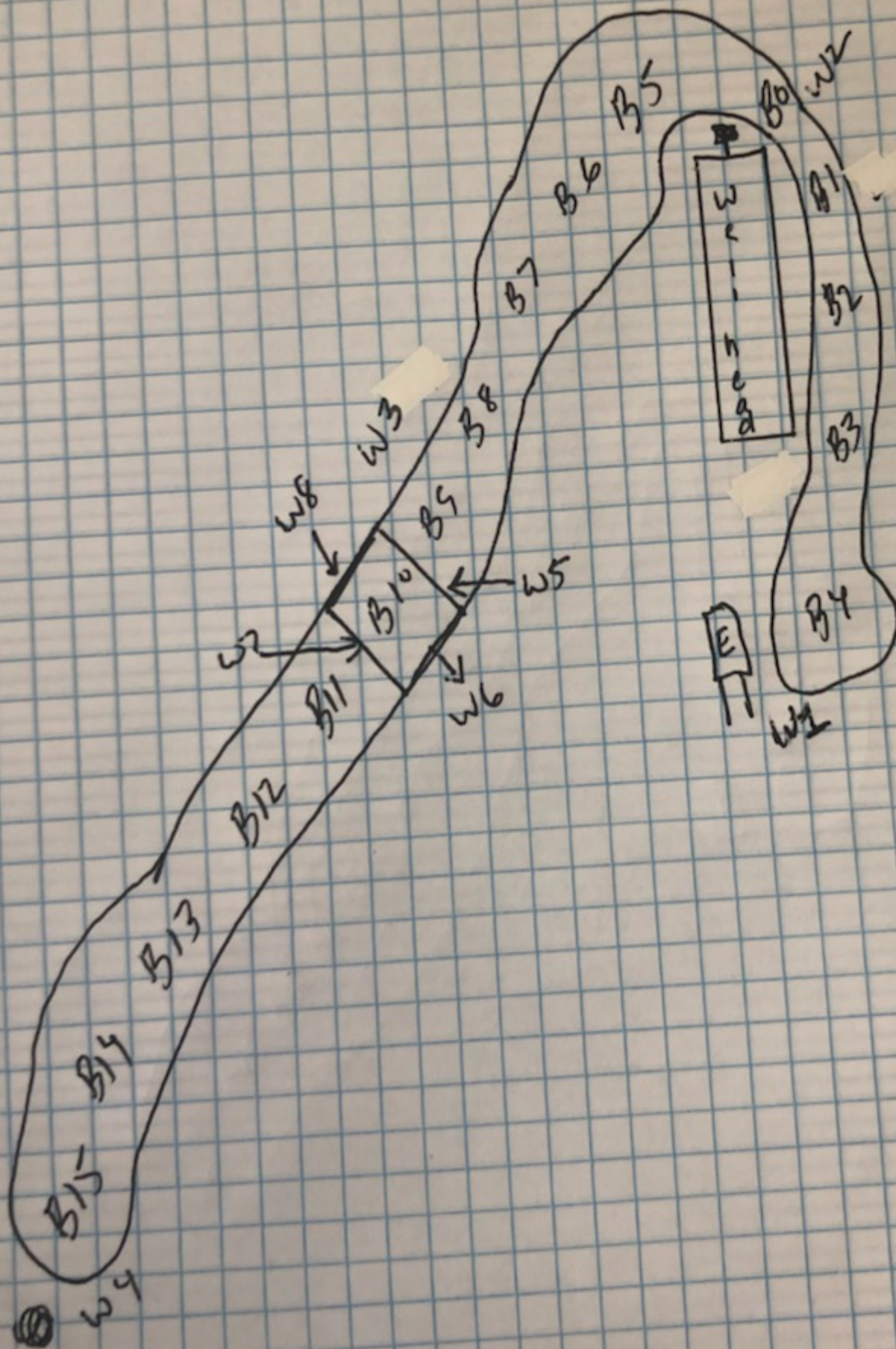
W6 @ 1' GPS = 32.50730 - 103.14668

W7 @ 1' GPS = 32.50733 - 103.14669

W8 @ 1' GPS = 32.50733 - 103.14664

NEDU 226

↑
N







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
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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 19459

CONDITIONS OF APPROVAL

| | | | | | |
|--------------------------|--|-------------------------|---------------|-------------------------|-----------------------|
| Operator: #1000 | APACHE CORPORATION Midland, TX79705 | 303 Veterans Airpark Ln | OGRID: 873 | Action Number: 19459 | Action Type: C-141 |
| OCD Reviewer chensley | Condition None | | | | |